

# TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

Well Name DECHANT "A" #1 Test No. 1 Date 10/23/93  
Company AFG ENERGY, INC. Zone WINFIELD  
Address P.O. BOX 458 HAYS KANSAS 67601 Elevation \_\_\_\_\_  
Co. Rep./Geo. ED GLASSMAN Cont. DUKE DRLG RIG #1 Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 23 Twp. 16S Rge. 18W Co. RUSH State KS

|                     |                  |                              |                |
|---------------------|------------------|------------------------------|----------------|
| Interval Tested     | <u>2024-2060</u> | Drill Pipe Size              | <u>4.5" XH</u> |
| Anchor Length       | <u>36</u>        | Wt. Pipe I.D. - 2.7 Ft. Run  | _____          |
| Top Packer Depth    | <u>2019</u>      | Drill Collar - 2.25 Ft. Run  | _____          |
| Bottom Packer Depth | <u>2024</u>      | Mud Wt. <u>10.2</u> lb/Gal.  | _____          |
| Total Depth         | <u>2060</u>      | Viscosity <u>31</u> Filtrate | _____          |

Tool Open @ 7:23 PM Initial Blow STRONG BLOW - BOTTOM OF BUCKET IN 6 MINUTES

Final Blow STRONG BLOW - BOTTOM OF BUCKET IN 12 MINUTES

Recovery - Total Feet 434 Flush Tool? NO

|                 |         |                    |
|-----------------|---------|--------------------|
| Rec. <u>248</u> | Feet of | <u>GAS IN PIPE</u> |
| Rec. <u>434</u> | Feet of | <u>WATER</u>       |
| Rec. _____      | Feet of | _____              |
| Rec. _____      | Feet of | _____              |
| Rec. _____      | Feet of | _____              |

BHT 100 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
RW 0.08 @ 70 °F Chlorides 100000 ppm Recovery Chlorides \_\_\_\_\_ ppm System

(A) Initial Hydrostatic Mud 1022.2 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 61.1 PSI @ (depth) 2028 w / Clock No. 27501

(C) First Final Flow Pressure 82.2 PSI AK1 Recorder No. 7437 Range 4200

(D) Initial Shut-in Pressure 564.4 PSI @ (depth) 2056 w / Clock No. 27567

(E) Second Initial Flow Pressure 111.1 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

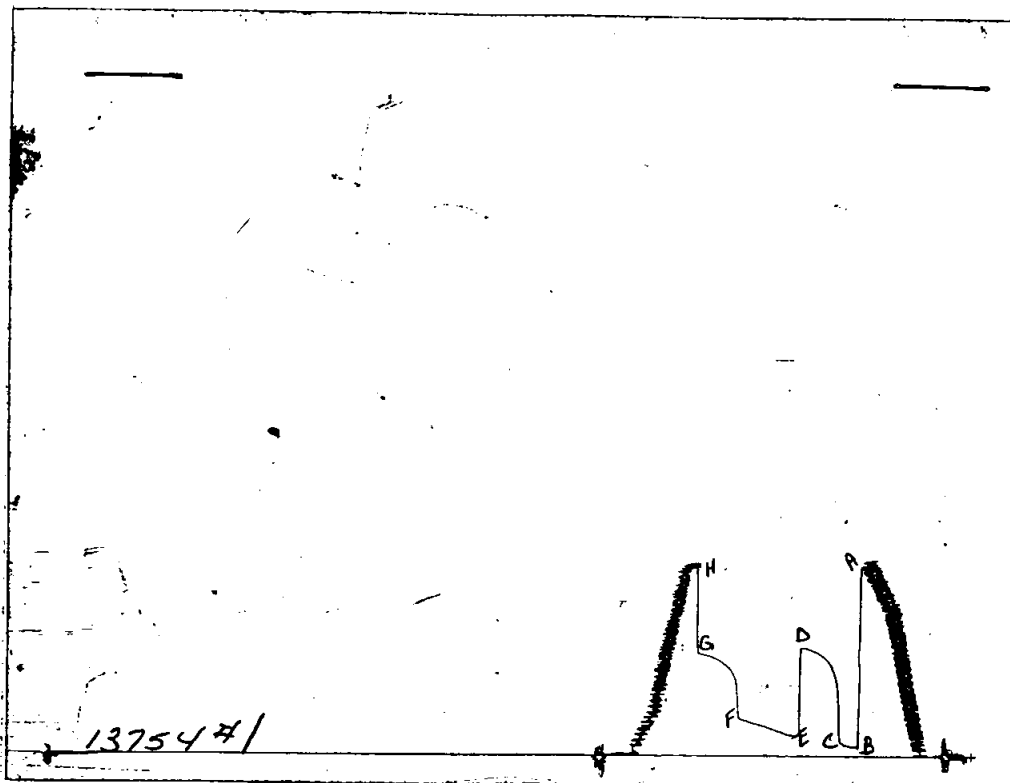
(F) Second Final Flow Pressure 194.4 PSI @ (depth) \_\_\_\_\_ w / Clock No. \_\_\_\_\_

(G) Final Shut-in Pressure 533.3 PSI Initial Opening 15 Final Flow 45

(H) Final Hydrostatic Mud 988.8 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative DAN BANGLE

# CHART PAGE



This is an actual photograph of recorder chart

|                                  | FIELD<br>READING | OFFICE<br>READING |
|----------------------------------|------------------|-------------------|
| (A) INITIAL HYDROSTATIC MUD      | 1016             | 1022.2            |
| (B) FIRST INITIAL FLOW PRESSURE  | 59               | 61.1              |
| (C) FIRST FINAL FLOW PRESSURE    | 78               | 82.2              |
| (D) INITIAL CLOSED-IN PRESSURE   | 561              | 564.4             |
| (E) SECOND INITIAL FLOW PRESSURE | 108              | 111.1             |
| (F) SECOND FINAL FLOW PRESSURE   | 187              | 194.4             |
| (G) FINAL CLOSED-IN PRESSURE     | 531              | 533.3             |
| (H) FINAL HYDROSTATIC MUD        | 986              | 988.8             |

# TRILOBITE TESTING L.L.C.

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## Test Ticket

No 6249

|                                                                                         |                             |                                                                      |
|-----------------------------------------------------------------------------------------|-----------------------------|----------------------------------------------------------------------|
| Well Name & No. <u>Dechant "A" #1</u>                                                   | Test No. <u>1</u>           | Date <u>10-23-93</u>                                                 |
| Company <u>APC Energy, Inc.</u>                                                         | Zone Tested <u>Winfield</u> |                                                                      |
| Address <u>P.O. Box 458, Hays, Ks. 67601</u>                                            | Elevation _____             |                                                                      |
| Co. Rep./Geo. <u>Ed Glassman</u>                                                        | Cont. <u>Duke #1</u>        | Est. Ft. of Pay _____                                                |
| Location: Sec. <u>23</u> Twp. <u>16</u> Rge. <u>18</u> Co. <u>Rush</u> State <u>Ks.</u> |                             |                                                                      |
| No. of Copies _____                                                                     | Distribution Sheet _____    | Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____ |

|                                                                            |                                                     |
|----------------------------------------------------------------------------|-----------------------------------------------------|
| Interval Tested <u>2024-2060</u>                                           | Drill Pipe Size <u>4.5 X H</u>                      |
| Anchor Length <u>36</u>                                                    | Top Choke — 1" _____ Bottom Choke — 3/4" _____      |
| Top Packer Depth <u>2019</u>                                               | Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____ |
| Bottom Packer Depth <u>2024</u>                                            | Wt. Pipe I.D. — 2.7 Ft. Run _____                   |
| Total Depth <u>2060</u>                                                    | Drill Collar — 2.25 Ft. Run _____                   |
| Mud Wt. <u>10.2</u> lb/gal.                                                | Viscosity <u>31</u> Filtrate _____                  |
| Tool Open @ <u>7:23 p.m.</u> Initial Blow <u>Strong - B.O.B. in 6 min.</u> |                                                     |
| Final Blow <u>Strong - B.O.B. in 12 min.</u>                               |                                                     |

|                                     |                                |                             |
|-------------------------------------|--------------------------------|-----------------------------|
| Recovery — Total Feet <u>434</u>    | Feet of Gas In Pipe <u>248</u> | Flush Tool? _____           |
| Rec. <u>434</u> Feet Of <u>WTR.</u> | %gas _____ %oil _____          | 100% 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 <u>100</u> °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API                   |
| RW <u>1.08</u> @ <u>70</u> °F Chlorides <u>109,000</u> ppm Recovery Chlorides _____ ppm System |
| (A) Initial Hydrostatic Mud <u>1016</u> PSI AK1 Recorder No. <u>13754</u> Range <u>4000</u>    |
| (B) First Initial Flow Pressure <u>59</u> PSI @ (depth) <u>2028</u> w/Clock No. <u>22501</u>   |
| (C) First Final Flow Pressure <u>78</u> PSI AK1 Recorder No. <u>7437</u> Range <u>4200</u>     |
| (D) Initial Shut-In Pressure <u>561</u> PSI @ (depth) <u>2056</u> w/Clock No. <u>27567</u>     |
| (E) Second Initial Flow Pressure <u>108</u> PSI AK1 Recorder No. _____ Range _____             |
| (F) Second Final Flow Pressure <u>187</u> PSI @ (depth) _____ w/Clock No. _____                |
| (G) Final Shut-In Pressure <u>531</u> PSI Initial Opening <u>15</u> Test _____ 600.00          |
| (H) Final Hydrostatic Mud <u>986</u> PSI Initial Shut-In <u>30</u> Jars _____                  |

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Approved By Ed Glassman

Our Representative Dan Banke

Printcraft Printers - Hays, KS

|                         |                              |
|-------------------------|------------------------------|
| Final Flow <u>45</u>    | Safety Joint _____           |
| Final Shut-In <u>20</u> | Straddle _____               |
|                         | Circ. Sub _____              |
|                         | Sampler _____                |
|                         | Extra Packer _____           |
|                         | Other _____                  |
|                         | TOTAL PRICE \$ <u>600.00</u> |

# TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

Well Name DECHANT "A" #1 Test No. 2 Date 10/25/93  
Company AFG ENERGY, INC. Zone TOPEKA  
Address P.O. BOX 458 HAYS KANSAS 67601 Elevation 2033  
Co. Rep./Geo. ED GLASSMAN Cont. DUKE DRLG RIG #1 Est. Ft. of Pay 3  
Location: Sec. 23 Twp. 16S Rge. 18W Co. RUSH State KS

|                                  |                                                         |
|----------------------------------|---------------------------------------------------------|
| Interval Tested <u>3014-3025</u> | Drill Pipe Size <u>4.5" XH</u>                          |
| Anchor Length <u>11</u>          | Wt. Pipe I.D. - 2.7 Ft. Run <u>                    </u> |
| Top Packer Depth <u>3009</u>     | Drill Collar - 2.25 Ft. Run <u>                    </u> |
| Bottom Packer Depth <u>3014</u>  | Mud Wt. <u>8.7</u> lb/Gal.                              |
| Total Depth <u>3025</u>          | Viscosity <u>45</u> Filtrate <u>8</u>                   |

Tool Open @ 8:40 PM Initial Blow FAIR TO STRONG BLOW OFF BOTTOM IN 2 MINUTES  
ISI: bled off blow - surface return died in 9 minutes  
Final Blow FAIR TO STRONG RETURN OFF BOTTOM IN 2.5 MINUTES  
FSI: bled off blow - no return

Recovery - Total Feet 110 Flush Tool? NO

|                        |                                            |
|------------------------|--------------------------------------------|
| Rec. <u>90</u>         | Feet of <u>DRILLING MUD</u>                |
| Rec. <u>20</u>         | Feet of <u>WATERY MUD-30% WTR/ 70% MUD</u> |
| Rec. <u>          </u> | Feet of <u>                    </u>        |
| Rec. <u>          </u> | Feet of <u>                    </u>        |
| Rec. <u>          </u> | Feet of <u>                    </u>        |

BHT 110 °F Gravity            °API @            °F Corrected Gravity            °API  
RW 1.5 @ 70 °F Chlorides 4000 ppm Recovery Chlorides 7000 ppm System

(A) Initial Hydrostatic Mud 1429.6 PSI AK1 Recorder No. 13339 Range 4025

(B) First Initial Flow Pressure            PSI @ (depth) 3015 w / Clock No. 26191

(C) First Final Flow Pressure            PSI AK1 Recorder No. 13276 Range 4000

(D) Initial Shut-in Pressure            PSI @ (depth) 3020 w / Clock No. 26199

(E) Second Initial Flow Pressure            PSI AK1 Recorder No.            Range           

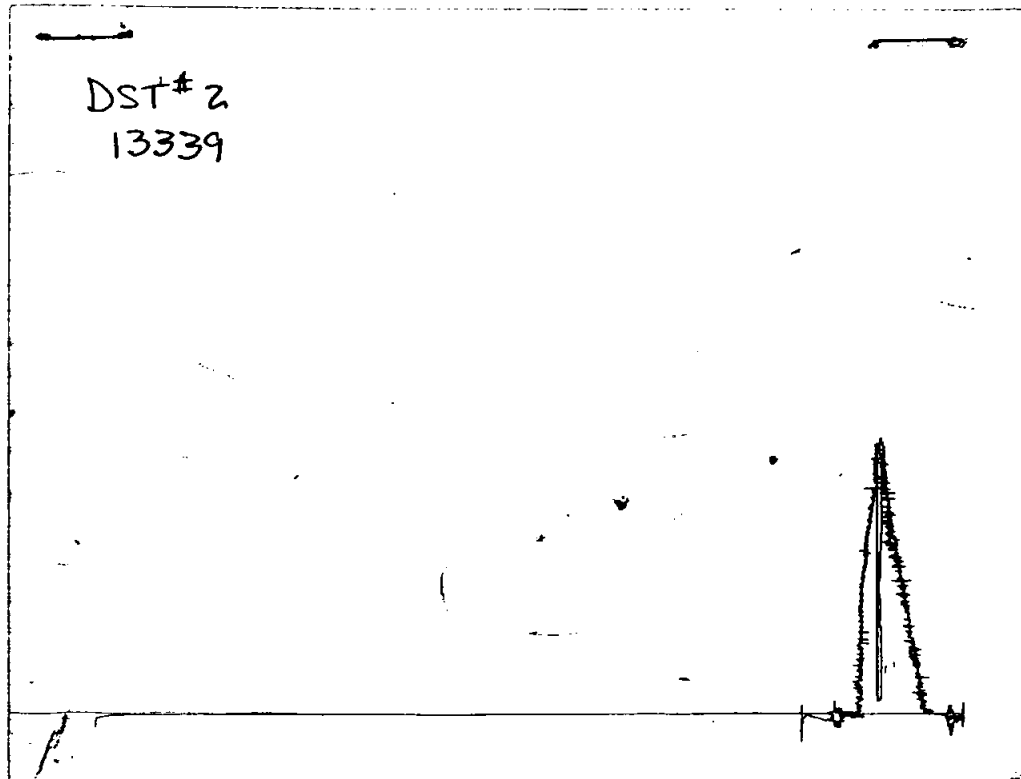
(F) Second Final Flow Pressure            PSI @ (depth)            w / Clock No.           

(G) Final Shut-in Pressure            PSI Initial Opening 15 Final Flow 45

(H) Final Hydrostatic Mud 1411.2 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative ROD STEINBRINK

# CHART PAGE



This is an actual photograph of recorder chart

|                                  | FIELD<br>READING | OFFICE<br>READING |
|----------------------------------|------------------|-------------------|
| (A) INITIAL HYDROSTATIC MUD      | 1421             | 1429.6            |
| (B) FIRST INITIAL FLOW PRESSURE  |                  |                   |
| (C) FIRST FINAL FLOW PRESSURE    |                  |                   |
| (D) INITIAL CLOSED-IN PRESSURE   |                  |                   |
| (E) SECOND INITIAL FLOW PRESSURE |                  |                   |
| (F) SECOND FINAL FLOW PRESSURE   |                  |                   |
| (G) FINAL CLOSED-IN PRESSURE     |                  |                   |
| (H) FINAL HYDROSTATIC MUD        | 1401             | 1411.2            |

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

No 6283

|                 |                              |             |                 |                 |                   |
|-----------------|------------------------------|-------------|-----------------|-----------------|-------------------|
| Well Name & No. | Dechant 'A' #1               | Test No.    | 2               | Date            | 10/25/93          |
| Company         | A.F.G. Energy, Inc.          | Zone Tested | Topeka          |                 |                   |
| Address         | P.O. Box 458 Hays, KS. 67601 | Elevation   | 2033 (GL)       |                 |                   |
| Co. Rep./Geo.   | Ed Glassman                  | Cont.       | Duke #1         | Est. Ft. of Pay | 3'                |
| Location: Sec.  | 23                           | Twp.        | 16 <sup>S</sup> | Rge.            | 18 <sup>W</sup>   |
|                 |                              | Co.         | Rush            | State           | KS.               |
| No. of Copies   | Distribution Sheet           | Yes         | No              | Turnkey         | Yes No Evaluation |

|                                                                             |             |                             |                           |
|-----------------------------------------------------------------------------|-------------|-----------------------------|---------------------------|
| Interval Tested                                                             | 3014 - 3025 | Drill Pipe Size             | 4 1/2" XH                 |
| Anchor Length                                                               | 11'         | Top Choke — 1"              | Bottom Choke — 3/4"       |
| Top Packer Depth                                                            | 3009        | Hole Size — 7 7/8"          | Rubber Size — 6 3/4"      |
| Bottom Packer Depth                                                         | 3014        | Wt. Pipe I.D. — 2.7 Ft. Run |                           |
| Total Depth                                                                 | 3025        | Drill Collar — 2.25 Ft. Run |                           |
| Mud Wt.                                                                     | 8.7         | lb/gal.                     | Viscosity 45 Filtrate 8.0 |
| Tool Open @ 8:40 pm. Initial Blow Fair to strong blow off bottom in 2 mins. |             |                             |                           |
| ISI: Bled off blow - surface return died in 9 mins.                         |             |                             |                           |
| Final Blow Fair to strong return off bottom in 2 1/2 mins.                  |             |                             |                           |
| FSI: Bled off blow - no return.                                             |             |                             |                           |

|                       |         |                     |                             |             |                        |
|-----------------------|---------|---------------------|-----------------------------|-------------|------------------------|
| Recovery — Total Feet | 110'    | Feet of Gas in Pipe |                             | Flush Tool? | No                     |
| Rec.                  | Feet Of | %gas                | %oil                        | %water      | %mud                   |
| Rec.                  | 90'     | Feet Of             | Drilg. Mud                  | %gas        | %oil %water %mud       |
| Rec.                  | Feet Of | %gas                | %oil                        | %water      | %mud                   |
| Rec.                  | 20'     | Feet Of             | <del>Drilg.</del> wtry. Mud | %gas        | %oil 30 %water 70 %mud |
| Rec.                  | Feet Of | %gas                | %oil                        | %water      | %mud                   |

|                                  |      |            |                  |           |             |                      |           |                  |
|----------------------------------|------|------------|------------------|-----------|-------------|----------------------|-----------|------------------|
| BHT                              | 110° | °F Gravity |                  | °API @    |             | °F Corrected Gravity |           | °API             |
| RW                               | 1.5  | @ 70°      | °F               | Chlorides | 4,000       | ppm Recovery         | Chlorides | 7,000 ppm System |
| (A) Initial Hydrostatic Mud      | 1421 | PSI        | AK1 Recorder No. | 13339     | Range       | 4025                 |           |                  |
| (B) First Initial Flow Pressure  |      | PSI        | @ (depth)        | 3015      | w/Clock No. | 26191                |           |                  |
| (C) First Final Flow Pressure    |      | PSI        | AK1 Recorder No. | 13276     | Range       | 4000                 |           |                  |
| (D) Initial Shut-In Pressure     |      | PSI        | @ (depth)        | 3020      | w/Clock No. | 26199                |           |                  |
| (E) Second Initial Flow Pressure |      | PSI        | AK1 Recorder No. |           | Range       |                      |           |                  |
| (F) Second Final Flow Pressure   |      | PSI        | @ (depth)        |           | w/Clock No. |                      |           |                  |
| (G) Final Shut-In Pressure       |      | PSI        | Initial Opening  | 15        | Test        | me 400.00            |           |                  |
| (H) Final Hydrostatic Mud        | 1401 | PSI        | Initial Shut-In  | 30        | Jars        |                      |           |                  |

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|               |    |              |       |
|---------------|----|--------------|-------|
| Final Flow    | 45 | Safety Joint |       |
| Final Shut-In | 30 | Straddle     |       |
|               |    | Circ. Sub    | X N/c |
|               |    | Sampler      |       |
|               |    | Extra Packer |       |
|               |    | Other        |       |

Approved By Ed Glassman

Our Representative Rod Steinbrink

# TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

Well Name DECHANT "A" #1 Test No. 3 Date 10/26/93  
Company AFG ENERGY, INC. Zone TORONTO A-C  
Address P.O. BOX 458 HAYS KANSAS 67601 Elevation 2033  
Co. Rep./Geo. ED GLASSMAN Cont. DUKE DRLG RIG #1 Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 23 Twp. 16S Rge. 18W Co. RUSH State KS

|                                  |                                          |
|----------------------------------|------------------------------------------|
| Interval Tested <u>3248-3345</u> | Drill Pipe Size <u>4.5" XH</u>           |
| Anchor Length <u>97</u>          | Wt. Pipe I.D. - 2.7 Ft. Run _____        |
| Top Packer Depth <u>3243</u>     | Drill Collar - 2.25 Ft. Run _____        |
| Bottom Packer Depth <u>3248</u>  | Mud Wt. <u>9.2</u> lb/Gal.               |
| Total Depth <u>3345</u>          | Viscosity <u>45</u> Filtrate <u>11.2</u> |

Tool Open @ 7:50 PM Initial Blow STRONG BLOW OFF BOTTOM IN 1 MINUTE  
ISI: bled off blow-surface return built to 1/2" -STAYED STEADY  
Final Blow STRONG RETURN OFF BOTTOM IN 30 SECONDS  
FSI: bled off blow-surface return built to 2"

Recovery - Total Feet 90 Flush Tool? NO

|                |                             |
|----------------|-----------------------------|
| Rec. <u>90</u> | Feet of <u>DRILLING MUD</u> |
| Rec. _____     | Feet of _____               |
| Rec. _____     | Feet of _____               |
| Rec. _____     | Feet of _____               |
| Rec. _____     | Feet of _____               |

BHT 114 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 10000 ppm System

(A) Initial Hydrostatic Mud 1689.9 PSI AK1 Recorder No. 13339 Range 4025

(B) First Initial Flow Pressure 94.4 PSI @ (depth) 3250 w / Clock No. 19990

(C) First Final Flow Pressure 96.6 PSI AK1 Recorder No. 13276 Range 4000

(D) Initial Shut-in Pressure 674.4 PSI @ (depth) 3340 w / Clock No. 26192

(E) Second Initial Flow Pressure 115.5 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

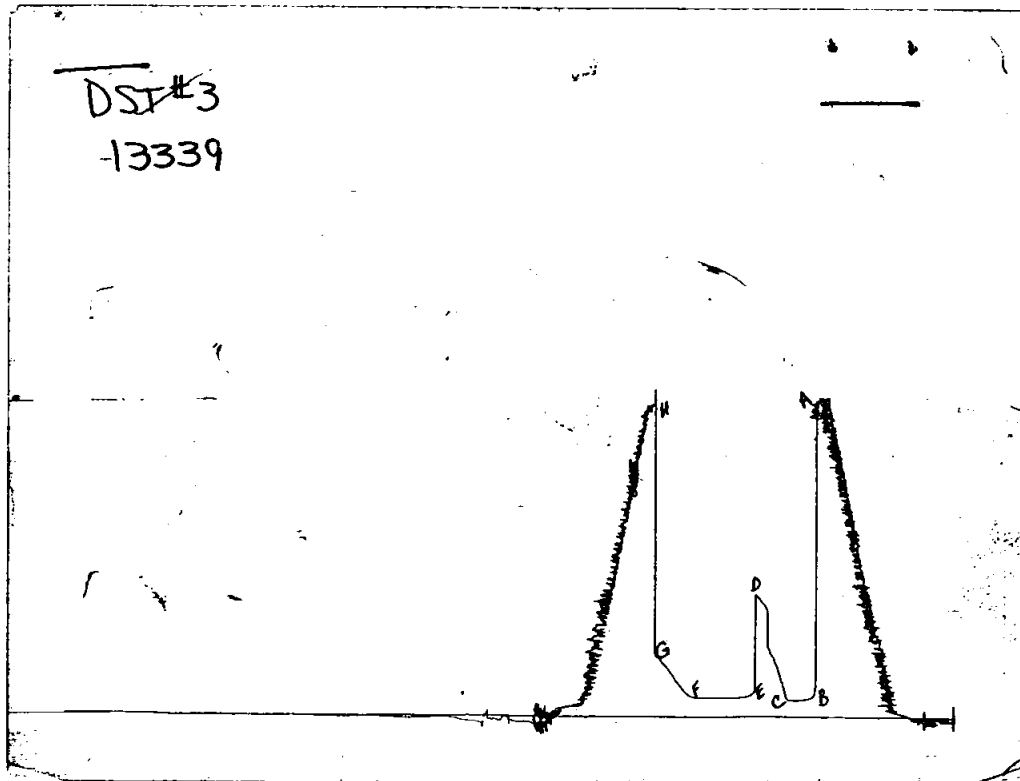
(F) Second Final Flow Pressure 115.5 PSI @ (depth) \_\_\_\_\_ w / Clock No. \_\_\_\_\_

(G) Final Shut-in Pressure 344.4 PSI Initial Opening 15 Final Flow 45

(H) Final Hydrostatic Mud 1666.6 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative ROD STEINBRINK

# CHART PAGE



This is an actual photograph of recorder chart

|                                  | FIELD<br>READING | OFFICE<br>READING |
|----------------------------------|------------------|-------------------|
| (A) INITIAL HYDROSTATIC MUD      | 1682             | 1689.9            |
| (B) FIRST INITIAL FLOW PRESSURE  | 93               | 94.4              |
| (C) FIRST FINAL FLOW PRESSURE    | 93               | 96.6              |
| (D) INITIAL CLOSED-IN PRESSURE   | 669              | 674.4             |
| (E) SECOND INITIAL FLOW PRESSURE | 114              | 115.5             |
| (F) SECOND FINAL FLOW PRESSURE   | 114              | 115.5             |
| (G) FINAL CLOSED-IN PRESSURE     | 343              | 344.4             |
| (H) FINAL HYDROSTATIC MUD        | 1662             | 1666.6            |



# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

No 6284

|                 |                              |       |                 |                 |                 |                    |
|-----------------|------------------------------|-------|-----------------|-----------------|-----------------|--------------------|
| Well Name & No. | Dechant 'A' #1               |       | Test No.        | 3               | Date            | 10/26/93           |
| Company         | AFG Energy, Inc.             |       | Zone Tested     | Toronto A B C   |                 |                    |
| Address         | P.O. Box 458 Hays, KS. 67601 |       | Elevation       | 2033 (GL)       |                 |                    |
| Co. Rep./Geo.   | Ed Glassman                  | Cont. | Duke #1         | Est. Ft. of Pay |                 |                    |
| Location: Sec.  | 23                           | Twp.  | 16 <sup>S</sup> | Rge.            | 18 <sup>W</sup> | Co. Rush State KS. |
| No. of Copies   | Distribution Sheet           |       | Yes             | No              | Turnkey         | Yes No Evaluation  |

|                     |             |                             |                            |
|---------------------|-------------|-----------------------------|----------------------------|
| Interval Tested     | 3248 - 3345 | Drill Pipe Size             | 4 1/2" XH                  |
| Anchor Length       | 91'         | Top Choke — 1"              | Bottom Choke — 3/4"        |
| Top Packer Depth    | 3243        | Hole Size — 77/8"           | Rubber Size — 63/4"        |
| Bottom Packer Depth | 3248        | Wt. Pipe I.D. — 2.7 Ft. Run | —                          |
| Total Depth         | 3345        | Drill Collar — 2.25 Ft. Run | —                          |
| Mud Wt.             | 9.2         | lb / gal.                   | Viscosity 45 Filtrate 11.2 |

Tool Open @ 7:50 pm. Initial Blow Strong blow off bottom in 1 min.  
 IST: Bled off blow - surface return built to 1/2" stayed steady.  
 Final Blow Strong return off bottom in 30 secs.  
 FSI: Bled off blow - surface return built to 2".

|                       |             |                     |            |             |      |
|-----------------------|-------------|---------------------|------------|-------------|------|
| Recovery — Total Feet | 90'         | Feet of Gas in Pipe | no odor or | Flush Tool? | No   |
| Rec.                  | Feet Of     | %gas                | %oil       | %water      | %mud |
| Rec.                  | Feet Of     | %gas                | %oil       | %water      | %mud |
| Rec.                  | 90' Feet Of | Drilg. Mud          |            |             |      |
| Rec.                  | Feet Of     | %gas                | %oil       | %water      | %mud |
| Rec.                  | Feet Of     | %gas                | %oil       | %water      | %mud |

BHT 114° °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 10,000 ppm System

|                                  |      |     |                  |       |             |        |
|----------------------------------|------|-----|------------------|-------|-------------|--------|
| (A) Initial Hydrostatic Mud      | 1682 | PSI | AK1 Recorder No. | 13339 | Range       | 4025   |
| (B) First Initial Flow Pressure  | 93   | PSI | @ (depth)        | 3250  | w/Clock No. | 19990  |
| (C) First Final Flow Pressure    | 93   | PSI | AK1 Recorder No. | 13276 | Range       | 4000   |
| (D) Initial Shut-In Pressure     | 669  | PSI | @ (depth)        | 3340  | w/Clock No. | 26192  |
| (E) Second Initial Flow Pressure | 114  | PSI | AK1 Recorder No. | —     | Range       | —      |
| (F) Second Final Flow Pressure   | 114  | PSI | @ (depth)        | —     | w/Clock No. | —      |
| (G) Final Shut-In Pressure       | 343  | PSI | Initial Opening  | 15    | Test        | 600.00 |
| (H) Final Hydrostatic Mud        | 1662 | PSI | Initial Shut-In  | 30    | Jars        | —      |

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|               |    |              |       |
|---------------|----|--------------|-------|
| Final Flow    | 45 | Safety Joint | —     |
| Final Shut-In | 30 | Straddle     | —     |
|               |    | Circ. Sub    | X N/C |
|               |    | Sampler      | —     |
|               |    | Extra Packer | —     |
|               |    | Other        | —     |

Approved By Edglassman

Our Representative Rod Steinbrink

# TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

Well Name DECHANT "A" #1 Test No. 4 Date 10/28/93  
Company AFG ENERGY, INC. Zone \_\_\_\_\_  
Address P.O. BOX 458 HAYS KANSAS 67601 Elevation 2033  
Co. Rep./Geo. ED GLASSMAN Cont. DUKE DRLG RIG #1 Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 23 Twp. 16S Rge. 18W Co. RUSH State KS

Interval Tested 3308-3354 Drill Pipe Size 4.5" XH  
Anchor Length 46 Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
Top Packer Depth 3308 Drill Collar - 2.25 Ft. Run \_\_\_\_\_  
Bottom Packer Depth 3354 Mud Wt. 9.4 lb/Gal.  
Total Depth 3600 Viscosity 49 Filtrate 12

Tool Open @ 5:00 AM Initial Blow PACKER FAILURE-SET TOOL TWICE

Final Blow \_\_\_\_\_

Recovery - Total Feet \_\_\_\_\_ Flush Tool? NO

Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 112 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 10000 ppm System

(A) Initial Hydrostatic Mud 1616.6 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure \_\_\_\_\_ PSI @ (depth) 3312 w / Clock No. 27501

(C) First Final Flow Pressure \_\_\_\_\_ PSI AK1 Recorder No. 7437 Range 4200

(D) Initial Shut-in Pressure \_\_\_\_\_ PSI @ (depth) 3350 w / Clock No. 27567

(E) Second Initial Flow Pressure \_\_\_\_\_ PSI AK1 Recorder No. 13849 Range 4375

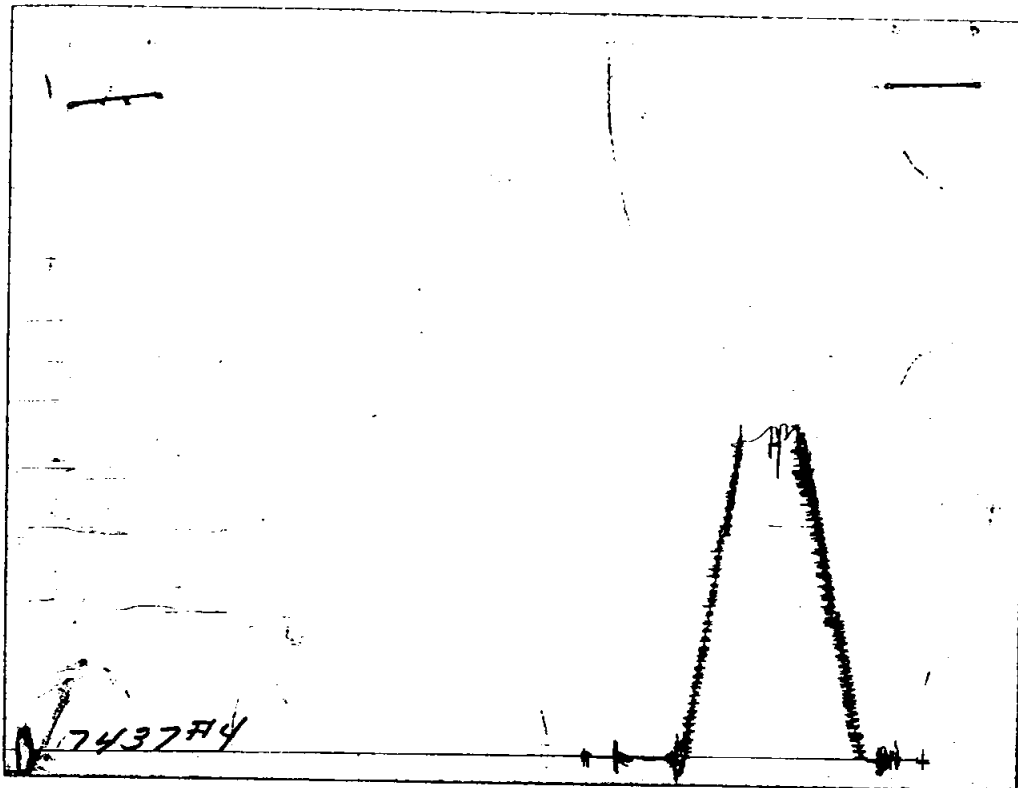
(F) Second Final Flow Pressure \_\_\_\_\_ PSI @ (depth) 3596 w / Clock No. \_\_\_\_\_

(G) Final Shut-in Pressure \_\_\_\_\_ PSI Initial Opening \_\_\_\_\_ Final Flow \_\_\_\_\_

(H) Final Hydrostatic Mud 1555.5 PSI Initial Shut-in \_\_\_\_\_ Final Shut-in \_\_\_\_\_

Our Representative DAN BANGLE

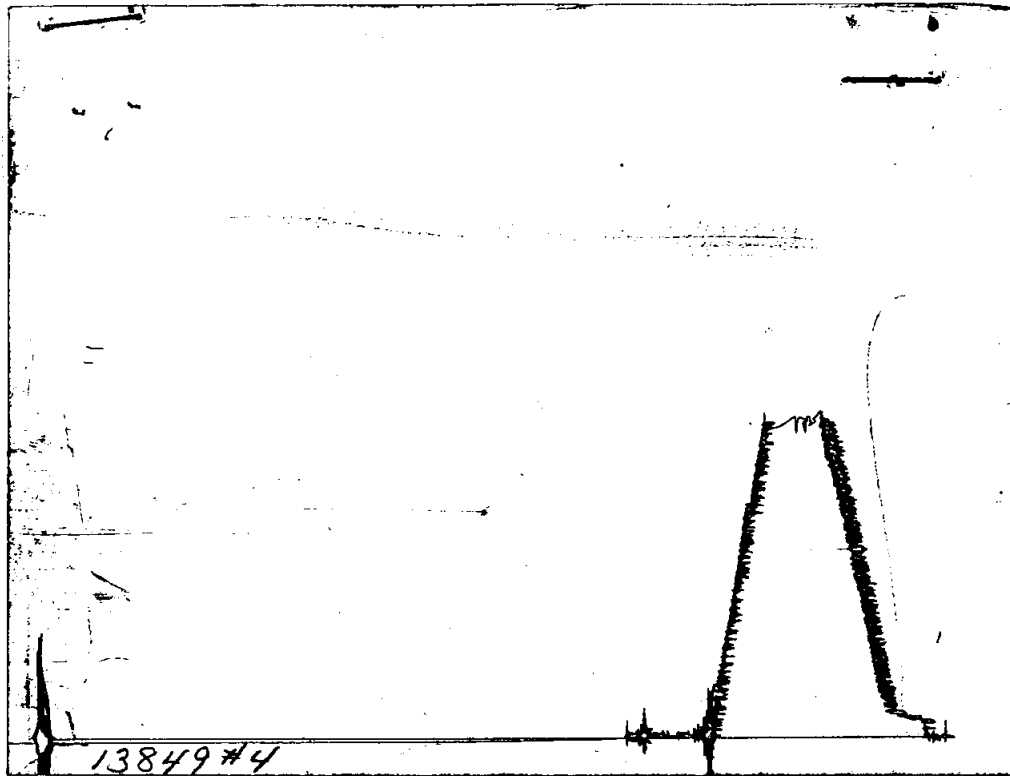
# CHART PAGE



This is an actual photograph of recorder chart

|                                  | FIELD<br>READING | OFFICE<br>READING |
|----------------------------------|------------------|-------------------|
| (A) INITIAL HYDROSTATIC MUD      | 1616             | 1616.6            |
| (B) FIRST INITIAL FLOW PRESSURE  |                  |                   |
| (C) FIRST FINAL FLOW PRESSURE    |                  |                   |
| (D) INITIAL CLOSED-IN PRESSURE   |                  |                   |
| (E) SECOND INITIAL FLOW PRESSURE |                  |                   |
| (F) SECOND FINAL FLOW PRESSURE   |                  |                   |
| (G) FINAL CLOSED-IN PRESSURE     |                  |                   |
| (H) FINAL HYDROSTATIC MUD        | 1556             | 1555.5            |

# CHART PAGE



This is an actual photograph of recorder chart

FIELD  
READING

OFFICE  
READING

- (A) INITIAL HYDROSTATIC MUD
- (B) FIRST INITIAL FLOW PRESSURE
- (C) FIRST FINAL FLOW PRESSURE
- (D) INITIAL CLOSED-IN PRESSURE
- (E) SECOND INITIAL FLOW PRESSURE
- (F) SECOND FINAL FLOW PRESSURE
- (G) FINAL CLOSED-IN PRESSURE
- (H) FINAL HYDROSTATIC MUD

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

No 6552

|                                       |                          |                                                                      |
|---------------------------------------|--------------------------|----------------------------------------------------------------------|
| Well Name & No. <u>Dechant 'A' #1</u> | Test No. <u>4</u>        | Date <u>10-28-93</u>                                                 |
| Company <u>AFG Energy, Inc.</u>       | Zone Tested _____        |                                                                      |
| Address _____                         | Elevation _____          |                                                                      |
| Co. Rep./Geo. <u>Ed Glassman</u>      | Cont. <u>Duke #1</u>     | Est. Ft. of Pay _____                                                |
| Location: Sec. <u>23</u>              | Twp. <u>16</u>           | Rge. <u>18</u> Co. <u>Rush</u> State <u>Ks.</u>                      |
| No. of Copies _____                   | Distribution Sheet _____ | Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____ |

|                                                                                  |                                                     |
|----------------------------------------------------------------------------------|-----------------------------------------------------|
| Interval Tested <u>3308 - 3354</u>                                               | Drill Pipe Size <u>4.5 XH</u>                       |
| Anchor Length <u>46</u>                                                          | Top Choke — 1" _____ Bottom Choke — 1/4" _____      |
| Top Packer Depth <u>3308</u>                                                     | Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____ |
| Bottom Packer Depth <u>3354</u>                                                  | Wt. Pipe I.D. — 2.7 Ft. Run _____                   |
| Total Depth <u>3600</u>                                                          | Drill Collar — 2.25 Ft. Run _____                   |
| Mud Wt. <u>9.4</u> lb/gal.                                                       | Viscosity <u>49</u> Filtrate <u>12</u>              |
| Tool Open @ <u>5:00 a.m.</u> Initial Blow <u>Packer failure - set tool twice</u> |                                                     |

Final Blow \_\_\_\_\_

Recovery — Total Feet \_\_\_\_\_ Feet of Gas in Pipe \_\_\_\_\_ Flush Tool? \_\_\_\_\_

| 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 112 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 10,000 ppm System

(A) Initial Hydrostatic Mud 1616 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure \_\_\_\_\_ PSI @ (depth) 3312 w/Clock No. 27501

(C) First Final Flow Pressure \_\_\_\_\_ PSI AK1 Recorder No. 7437 Range 4200

(D) Initial Shut-In Pressure \_\_\_\_\_ PSI @ (depth) 3350 w/Clock No. 27567

(E) Second Initial Flow Pressure \_\_\_\_\_ PSI AK1 Recorder No. 13849 Range 4375

(F) Second Final Flow Pressure \_\_\_\_\_ PSI @ (depth) 3596 w/Clock No. \_\_\_\_\_

(G) Final Shut-In Pressure \_\_\_\_\_ PSI Initial Opening \_\_\_\_\_ Test Misrun 400.00

(H) Final Hydrostatic Mud 1556 PSI Initial Shut-In \_\_\_\_\_ Jars \_\_\_\_\_

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.

Final Flow \_\_\_\_\_ Safety Joint \_\_\_\_\_

Final Shut-In \_\_\_\_\_ Straddle X 250.00

Circ. Sub \_\_\_\_\_

Sampler \_\_\_\_\_

Extra Packer X 150.00

Other \_\_\_\_\_

TOTAL PRICE \$ 500.00

Approved By Ed Glassman

Our Representative Dan Bonafe

# TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

Well Name DECHANT "A" #1 Test No. 5 Date 10/28/93  
Company AFG ENERGY, INC. Zone \_\_\_\_\_  
Address P.O. BOX 458 HAYS KANSAS 67601 Elevation 2033  
Co. Rep./Geo. ED GLASSMAN Cont. DUKE DRLG RIG #1 Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 23 Twp. 16S Rge. 18W Co. RUSH State KS

|                                  |                                        |
|----------------------------------|----------------------------------------|
| Interval Tested <u>3278-3354</u> | Drill Pipe Size <u>4.5" XH</u>         |
| Anchor Length <u>76</u>          | Wt. Pipe I.D. - 2.7 Ft. Run _____      |
| Top Packer Depth <u>3278</u>     | Drill Collar - 2.25 Ft. Run _____      |
| Bottom Packer Depth <u>3354</u>  | Mud Wt. <u>9.4</u> lb/Gal.             |
| Total Depth <u>3600</u>          | Viscosity <u>49</u> Filtrate <u>12</u> |

Tool Open @ 8:45 Initial Blow PACKER FAILURE-SET TOOL TWICE

Final Blow \_\_\_\_\_

Recovery - Total Feet \_\_\_\_\_ Flush Tool? NO

|            |               |
|------------|---------------|
| Rec. _____ | Feet of _____ |
| Rec. _____ | Feet of _____ |
| Rec. _____ | Feet of _____ |
| Rec. _____ | Feet of _____ |
| Rec. _____ | Feet of _____ |

BHT 112 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 10000 ppm System

(A) Initial Hydrostatic Mud 1616.6 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure \_\_\_\_\_ PSI @ (depth) 3282 w / Clock No. 27501

(C) First Final Flow Pressure \_\_\_\_\_ PSI AK1 Recorder No. 7437 Range 4200

(D) Initial Shut-in Pressure \_\_\_\_\_ PSI @ (depth) 3350 w / Clock No. 27567

(E) Second Initial Flow Pressure \_\_\_\_\_ PSI AK1 Recorder No. 13849 Range 4375

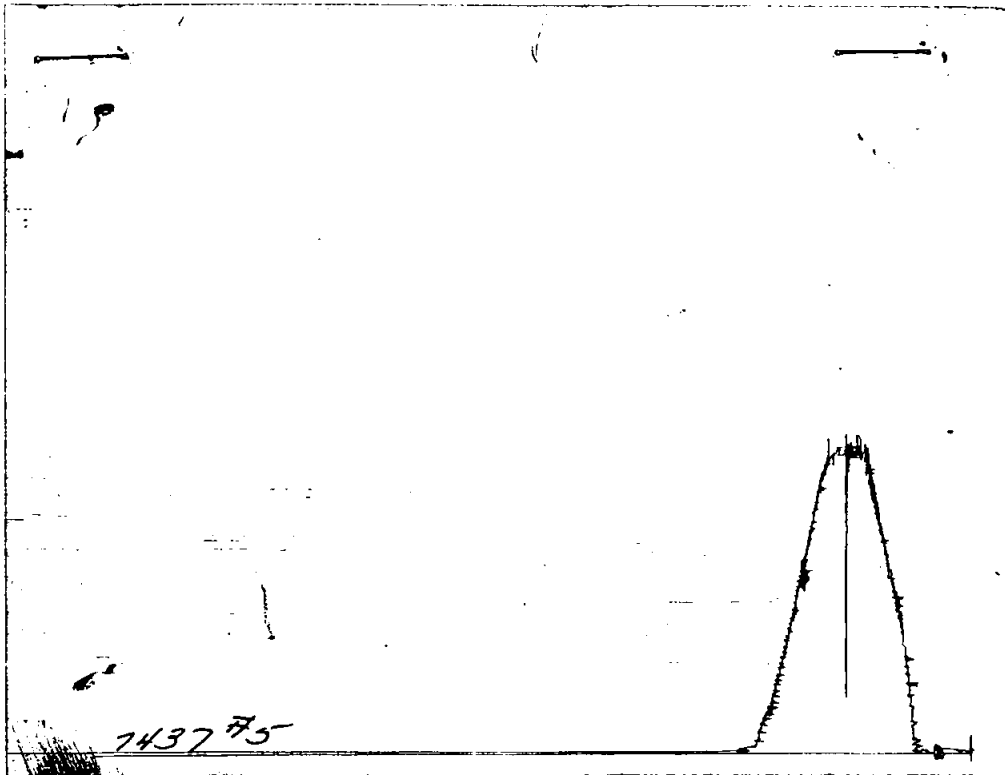
(F) Second Final Flow Pressure \_\_\_\_\_ PSI @ (depth) 3596 w / Clock No. \_\_\_\_\_

(G) Final Shut-in Pressure \_\_\_\_\_ PSI Initial Opening \_\_\_\_\_ Final Flow \_\_\_\_\_

(H) Final Hydrostatic Mud 1555.5 PSI Initial Shut-in \_\_\_\_\_ Final Shut-in \_\_\_\_\_

Our Representative DAN BANGLE

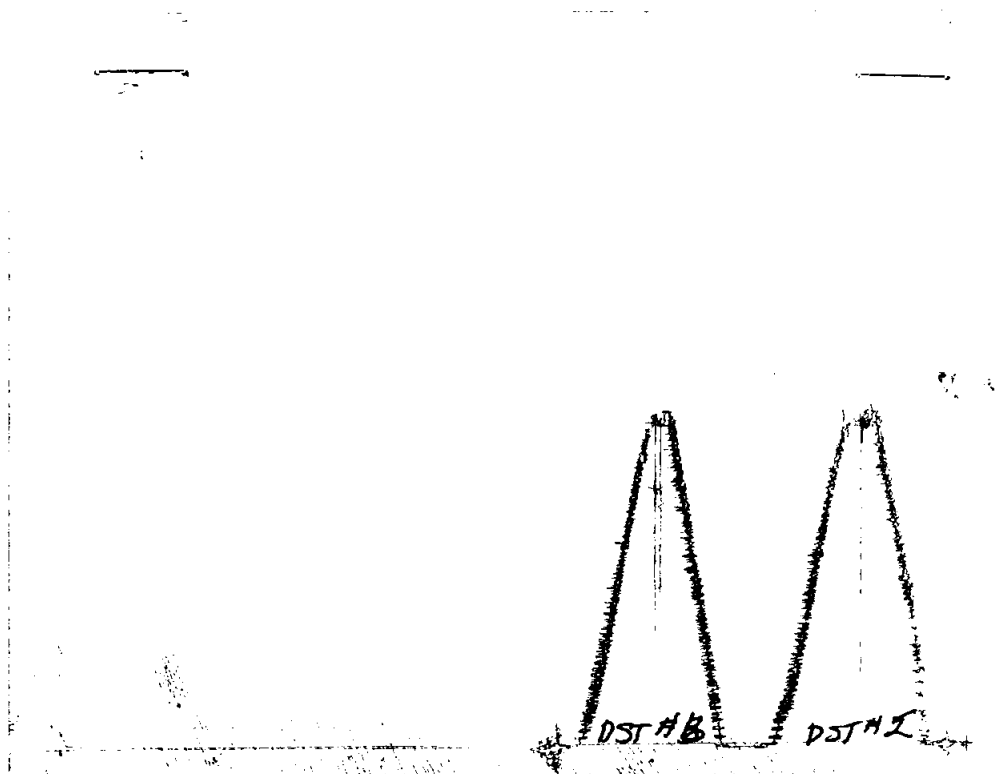
# CHART PAGE



This is an actual photograph of recorder chart

|                                  | FIELD<br>READING | OFFICE<br>READING |
|----------------------------------|------------------|-------------------|
| (A) INITIAL HYDROSTATIC MUD      | 1616             | 1616.6            |
| (B) FIRST INITIAL FLOW PRESSURE  |                  |                   |
| (C) FIRST FINAL FLOW PRESSURE    |                  |                   |
| (D) INITIAL CLOSED-IN PRESSURE   |                  |                   |
| (E) SECOND INITIAL FLOW PRESSURE |                  |                   |
| (F) SECOND FINAL FLOW PRESSURE   |                  |                   |
| (G) FINAL CLOSED-IN PRESSURE     |                  |                   |
| (H) FINAL HYDROSTATIC MUD        | 1556             | 1555.5            |

# CHART PAGE



This is an actual photograph of recorder chart

FIELD  
READING

OFFICE  
READING

- (A) INITIAL HYDROSTATIC MUD
- (B) FIRST INITIAL FLOW PRESSURE
- (C) FIRST FINAL FLOW PRESSURE
- (D) INITIAL CLOSED-IN PRESSURE
- (E) SECOND INITIAL FLOW PRESSURE
- (F) SECOND FINAL FLOW PRESSURE
- (G) FINAL CLOSED-IN PRESSURE
- (H) FINAL HYDROSTATIC MUD



# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

No 6553

|                                       |                          |                                                                      |
|---------------------------------------|--------------------------|----------------------------------------------------------------------|
| Well Name & No. <u>Dechant "A" #1</u> | Test No. <u>5</u>        | Date <u>10-28-93</u>                                                 |
| Company <u>AfG Energy, Inc.</u>       | Zone Tested _____        |                                                                      |
| Address _____                         | Elevation _____          |                                                                      |
| Co. Rep./Geo. <u>Ed Glassman</u>      | Cont. <u>Duke #1</u>     | Est. Ft. of Pay _____                                                |
| Location: Sec. <u>23</u>              | Twp. <u>16</u>           | Rge. <u>18</u> Co. <u>Rush</u> State <u>Ks.</u>                      |
| No. of Copies _____                   | Distribution Sheet _____ | Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____ |

|                                  |                                                     |
|----------------------------------|-----------------------------------------------------|
| Interval Tested <u>3278-3354</u> | Drill Pipe Size <u>4.5 X 14</u>                     |
| Anchor Length <u>76</u>          | Top Choke — 1" _____ Bottom Choke — ¾" _____        |
| Top Packer Depth <u>3278</u>     | Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____ |
| Bottom Packer Depth <u>3354</u>  | Wt. Pipe I.D. — 2.7 Ft. Run _____                   |
| Total Depth <u>3600</u>          | Drill Collar — 2.25 Ft. Run _____                   |
| Mud Wt. <u>9.4</u> lb/gal.       | Viscosity <u>49</u> Filtrate <u>12</u>              |
| Tool Open @ <u>8:45</u>          | Initial Blow <u>Packer failure - Set Tool Twice</u> |

Final Blow \_\_\_\_\_

Recovery — Total Feet \_\_\_\_\_ Feet of Gas In Pipe \_\_\_\_\_ Flush Tool? \_\_\_\_\_

| 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 112 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 10,000 ppm System

(A) Initial Hydrostatic Mud 1616 PSI Ak1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure \_\_\_\_\_ PSI @ (depth) 3282 w/Clock No. 27501

(C) First Final Flow Pressure \_\_\_\_\_ PSI AK1 Recorder No. 7437 Range 4200

(D) Initial Shut-In Pressure \_\_\_\_\_ PSI @ (depth) 3350 w/Clock No. 27567

(E) Second Initial Flow Pressure \_\_\_\_\_ PSI AK1 Recorder No. 13849 Range 4375

(F) Second Final Flow Pressure \_\_\_\_\_ PSI @ (depth) 3596 w/Clock No. \_\_\_\_\_

(G) Final Shut-In Pressure \_\_\_\_\_ PSI Initial Opening \_\_\_\_\_ Test Miscun 4000

(H) Final Hydrostatic Mud 1556 PSI Initial Shut-In \_\_\_\_\_ Jars \_\_\_\_\_

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Final Flow \_\_\_\_\_ Safety Joint \_\_\_\_\_

Final Shut-In \_\_\_\_\_ Straddle X 250.00

Circ. Sub \_\_\_\_\_

Sampler \_\_\_\_\_

Extra Packer X 150.00

Other \_\_\_\_\_

TOTAL PRICE \$ 800.00

Approved By Ed Glassman

Our Representative Dan Banaga

# TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

Well Name DECHANT "A" #1 Test No. 6 Date 10/28/93  
Company AFG ENERGY, INC. Zone \_\_\_\_\_  
Address P.O. BOX 458 HAYS KANSAS 67601 Elevation 2033  
Co. Rep./Geo. ED GLASSMAN Cont. DUKE DRLG RIG #1 Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 23 Twp. 16S Rge. 18W Co. RUSH State KS

Interval Tested 3248-3354 Drill Pipe Size 4.5" XH  
Anchor Length 106 Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
Top Packer Depth 3248 Drill Collar - 2.25 Ft. Run \_\_\_\_\_  
Bottom Packer Depth 3354 Mud Wt. 9.4 lb/Gal.  
Total Depth 3600 Viscosity 51 Filtrate 12

Tool Open @ 11:09 Initial Blow PACKER FAILURE-RESET TOOL

Final Blow \_\_\_\_\_

Recovery - Total Feet \_\_\_\_\_ Flush Tool? NO

Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 112 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 10000 ppm System

(A) Initial Hydrostatic Mud 1616.6 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure \_\_\_\_\_ PSI @ (depth) 3252 w / Clock No. 27501

(C) First Final Flow Pressure \_\_\_\_\_ PSI AK1 Recorder No. 7437 Range 4200

(D) Initial Shut-in Pressure \_\_\_\_\_ PSI @ (depth) 3350 w / Clock No. 27567

(E) Second Initial Flow Pressure \_\_\_\_\_ PSI AK1 Recorder No. 13849 Range 4375

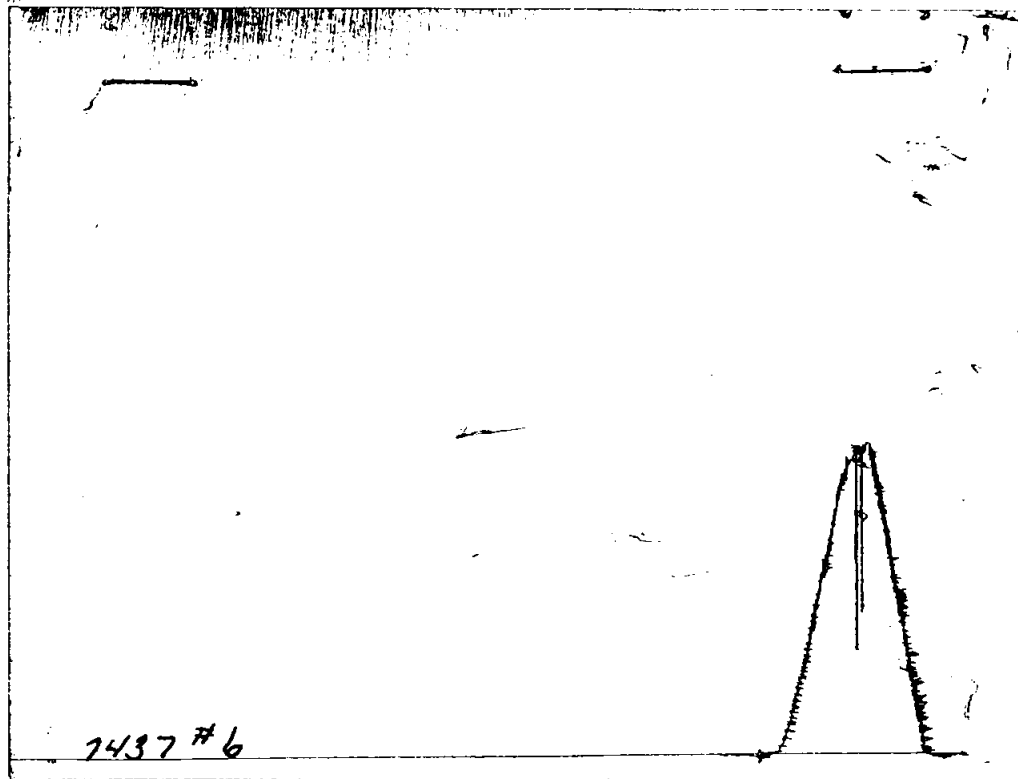
(F) Second Final Flow Pressure \_\_\_\_\_ PSI @ (depth) 3596 w / Clock No. \_\_\_\_\_

(G) Final Shut-in Pressure \_\_\_\_\_ PSI Initial Opening \_\_\_\_\_ Final Flow \_\_\_\_\_

(H) Final Hydrostatic Mud 1555.5 PSI Initial Shut-in \_\_\_\_\_ Final Shut-in \_\_\_\_\_

Our Representative DAN BANGLE

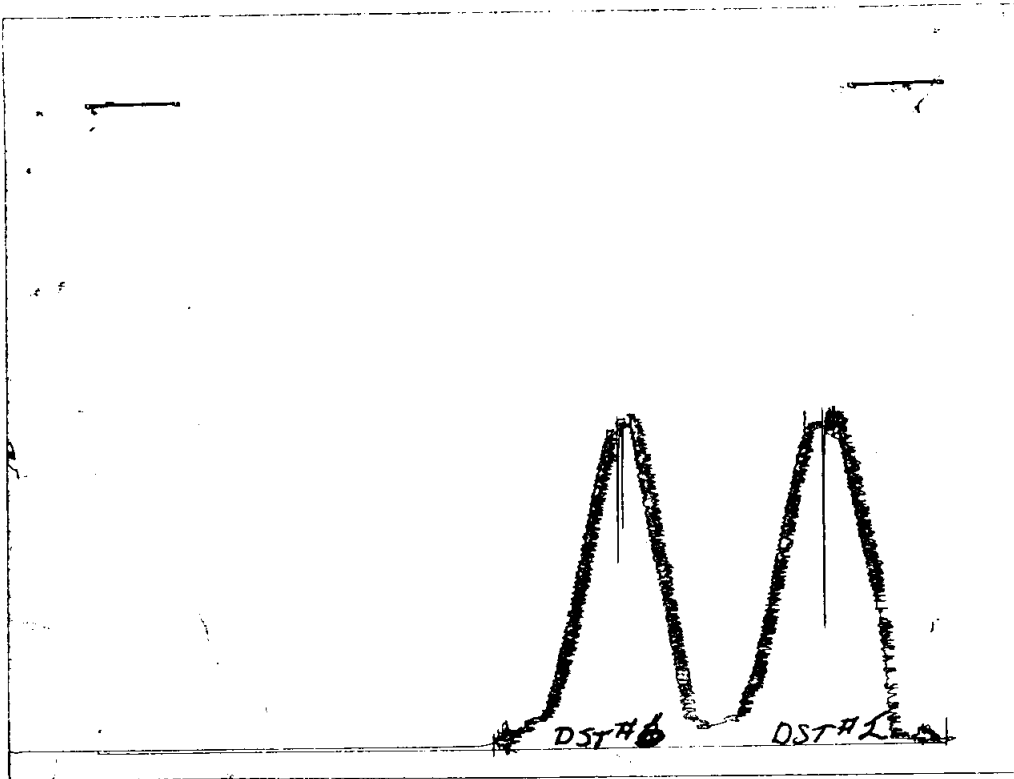
# CHART PAGE



This is an actual photograph of recorder chart

|                                  | FIELD<br>READING | OFFICE<br>READING |
|----------------------------------|------------------|-------------------|
| (A) INITIAL HYDROSTATIC MUD      | 1616             | 1616.6            |
| (B) FIRST INITIAL FLOW PRESSURE  |                  |                   |
| (C) FIRST FINAL FLOW PRESSURE    |                  |                   |
| (D) INITIAL CLOSED-IN PRESSURE   |                  |                   |
| (E) SECOND INITIAL FLOW PRESSURE |                  |                   |
| (F) SECOND FINAL FLOW PRESSURE   |                  |                   |
| (G) FINAL CLOSED-IN PRESSURE     |                  |                   |
| (H) FINAL HYDROSTATIC MUD        | 1556             | 1555.5            |

# CHART PAGE



This is an actual photograph of recorder chart

FIELD  
READING

OFFICE  
READING

- (A) INITIAL HYDROSTATIC MUD
- (B) FIRST INITIAL FLOW PRESSURE
- (C) FIRST FINAL FLOW PRESSURE
- (D) INITIAL CLOSED-IN PRESSURE
- (E) SECOND INITIAL FLOW PRESSURE
- (F) SECOND FINAL FLOW PRESSURE
- (G) FINAL CLOSED-IN PRESSURE
- (H) FINAL HYDROSTATIC MUD

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

No 6554

|                                       |                          |                                                                      |
|---------------------------------------|--------------------------|----------------------------------------------------------------------|
| Well Name & No. <u>Dechant "A" #1</u> | Test No. <u>6</u>        | Date <u>10-28-93</u>                                                 |
| Company <u>A &amp; G Energy, Inc.</u> | Zone Tested _____        |                                                                      |
| Address _____                         | Elevation _____          |                                                                      |
| Co. Rep./Geo. <u>Ed Glassman</u>      | Cont. <u>Duke #1</u>     | Est. Ft. of Pay _____                                                |
| Location: Sec. <u>23</u>              | Twp. <u>16</u>           | Rge. <u>18</u> Co. <u>Rush</u> State <u>Ks.</u>                      |
| No. of Copies _____                   | Distribution Sheet _____ | Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____ |

|                                    |                                                     |
|------------------------------------|-----------------------------------------------------|
| Interval Tested <u>3248 - 3354</u> | Drill Pipe Size <u>4.5xH</u>                        |
| Anchor Length <u>106</u>           | Top Choke — 1" _____ Bottom Choke — 1/4" _____      |
| Top Packer Depth <u>3248</u>       | Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____ |
| Bottom Packer Depth <u>3354</u>    | Wt. Pipe I.D. — 2.7 Ft. Run _____                   |
| Total Depth <u>3600</u>            | Drill Collar — 2.25 Ft. Run _____                   |
| Mud Wt. <u>9.4</u> lb/gal.         | Viscosity <u>51</u> Filtrate <u>12</u>              |
| Tool Open @ <u>11:09</u>           | Initial Blow <u>Packer Failure - Reset Tool</u>     |

Final Blow \_\_\_\_\_

|                             |                                               |                   |
|-----------------------------|-----------------------------------------------|-------------------|
| Recovery — Total Feet _____ | Feet of Gas In Pipe _____                     | Flush Tool? _____ |
| 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 112 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 10,000 ppm System

(A) Initial Hydrostatic Mud 1616 PSI Ak1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure \_\_\_\_\_ PSI @ (depth) 3252 w/Clock No. 27501

(C) First Final Flow Pressure \_\_\_\_\_ PSI AK1 Recorder No. 7437 Range 4200

(D) Initial Shut-In Pressure \_\_\_\_\_ PSI @ (depth) 3350 w/Clock No. 27567

(E) Second Initial Flow Pressure \_\_\_\_\_ PSI AK1 Recorder No. 13849 Range 4375

(F) Second Final Flow Pressure \_\_\_\_\_ PSI @ (depth) 3596 w/Clock No. \_\_\_\_\_

(G) Final Shut-In Pressure \_\_\_\_\_ PSI Initial Opening \_\_\_\_\_ Test Miscun 400

(H) Final Hydrostatic Mud 1556 PSI Initial Shut-In \_\_\_\_\_ Jars \_\_\_\_\_

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Final Flow \_\_\_\_\_ Safety Joint \_\_\_\_\_

Final Shut-In \_\_\_\_\_ Straddle X 250

Circ. Sub \_\_\_\_\_

Sampler \_\_\_\_\_

Extra Packer X 150

Other \_\_\_\_\_

TOTAL PRICE \$ 800.00

Approved By \_\_\_\_\_

Our Representative Dan Banoff

# TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

Well Name DECHANT "A" #1 Test No. 7 Date 10/28/93  
Company AFG ENERGY, INC. Zone \_\_\_\_\_  
Address P.O. BOX 458 HAYS KANSAS 67601 Elevation 2041  
Co. Rep./Geo. ED GLASSMAN Cont. DUKE DRLG RIG #1 Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 23 Twp. 16S Rge. 18W Co. RUSH State KS

|                     |                  |                             |                    |
|---------------------|------------------|-----------------------------|--------------------|
| Interval Tested     | <u>3230-3356</u> | Drill Pipe Size             | <u>4.5" XH</u>     |
| Anchor Length       | <u>126</u>       | Wt. Pipe I.D. - 2.7 Ft. Run | _____              |
| Top Packer Depth    | <u>3230</u>      | Drill Collar - 2.25 Ft. Run | <u>90</u>          |
| Bottom Packer Depth | <u>3356</u>      | Mud Wt.                     | <u>9.4</u> lb/Gal. |
| Total Depth         | <u>3600</u>      | Viscosity                   | <u>51</u>          |
|                     |                  | Filtrate                    | <u>12</u>          |

Tool Open @ 7:30 PM Initial Blow WEAK-BUILDING TO BOTTOM OF BUCKET IN 40 MINUTES

Final Blow WEAK-BUILDING TO BOTTOM OF BUCKET IN 23 MINUTES

Recovery - Total Feet 372 Flush Tool? NO

Rec. 372 Feet of GASSY MUD-5% GAS/ 95% MUD  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 112 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 10000 ppm System

(A) Initial Hydrostatic Mud 1754.2 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 223.3 PSI @ (depth) 3234 w / Clock No. 27501

(C) First Final Flow Pressure 241.1 PSI AK1 Recorder No. 7437 Range 4200

(D) Initial Shut-in Pressure 805.5 PSI @ (depth) 3352 w / Clock No. 27567

(E) Second Initial Flow Pressure 251.1 PSI AK1 Recorder No. 13849 Range 4375

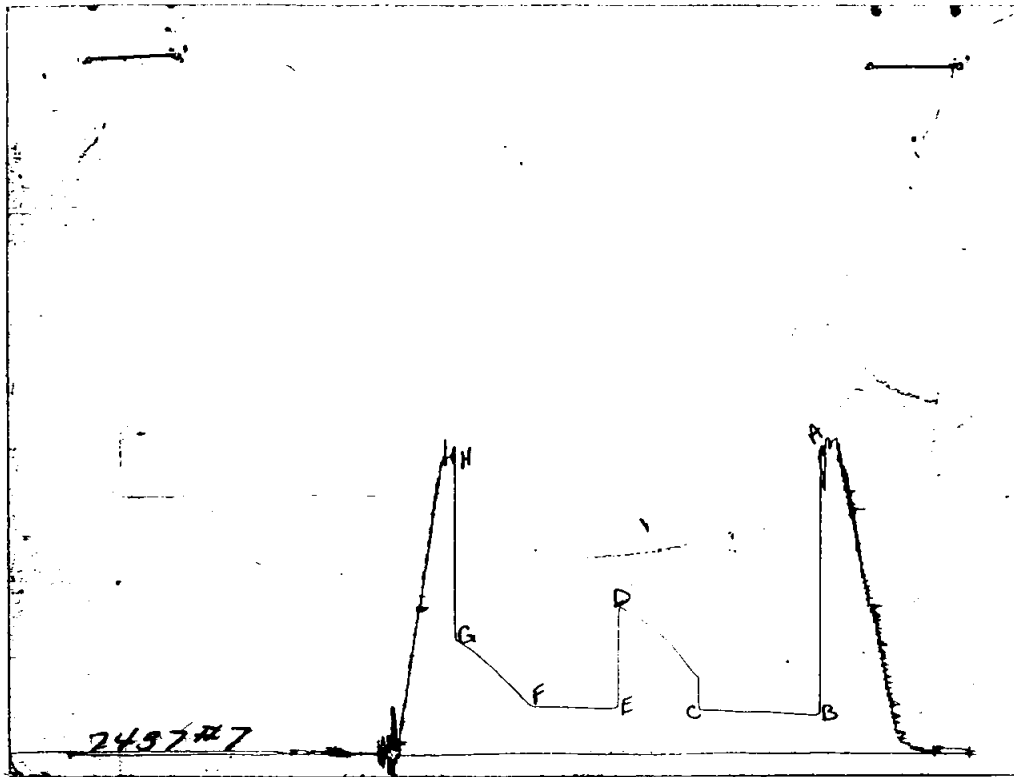
(F) Second Final Flow Pressure 277.7 PSI @ (depth) 3596 w / Clock No. \_\_\_\_\_

(G) Final Shut-in Pressure 633.3 PSI Initial Opening 90 Final Flow 60

(H) Final Hydrostatic Mud 1722.2 PSI Initial Shut-in 60 Final Shut-in 60

Our Representative DAN BANGLE

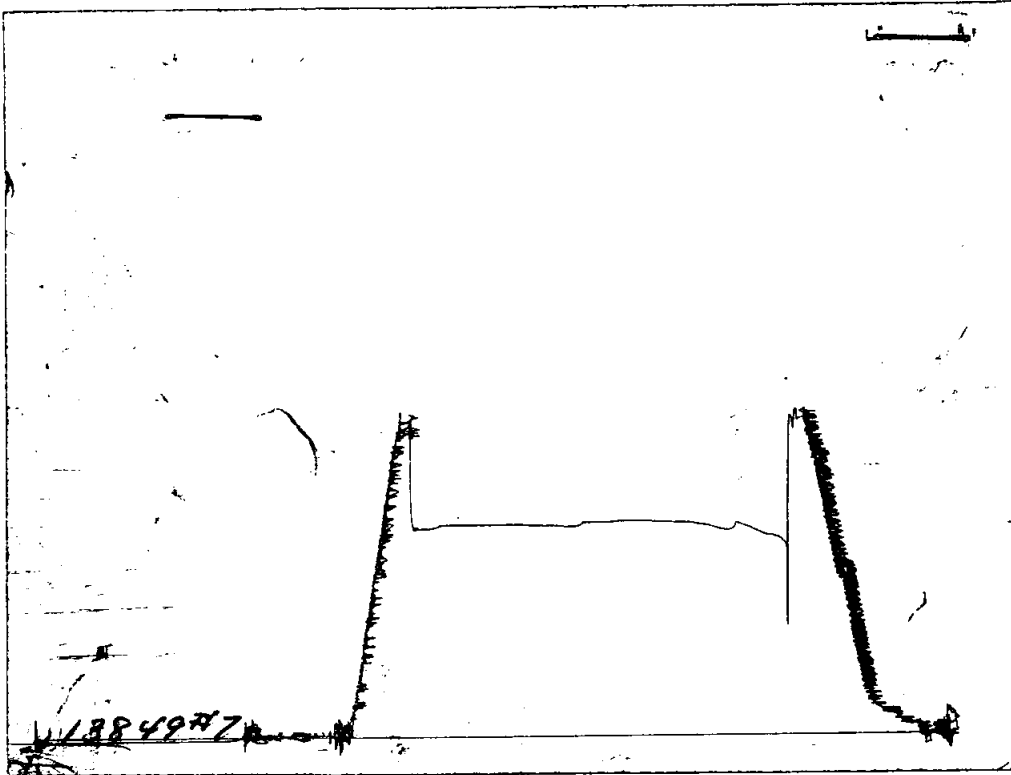
# CHART PAGE



This is an actual photograph of recorder chart

|                                  | FIELD<br>READING | OFFICE<br>READING |
|----------------------------------|------------------|-------------------|
| (A) INITIAL HYDROSTATIC MUD      | 1746             | 1754.2            |
| (B) FIRST INITIAL FLOW PRESSURE  | 226              | 223.3             |
| (C) FIRST FINAL FLOW PRESSURE    | 236              | 241.1             |
| (D) INITIAL CLOSED-IN PRESSURE   | 798              | 805.5             |
| (E) SECOND INITIAL FLOW PRESSURE | 246              | 251.1             |
| (F) SECOND FINAL FLOW PRESSURE   | 265              | 277.7             |
| (G) FINAL CLOSED-IN PRESSURE     | 630              | 633.3             |
| (H) FINAL HYDROSTATIC MUD        | 1716             | 1722.2            |

# CHART PAGE



This is an actual photograph of recorder chart

FIELD  
READING

OFFICE  
READING

- (A) INITIAL HYDROSTATIC MUD
- (B) FIRST INITIAL FLOW PRESSURE
- (C) FIRST FINAL FLOW PRESSURE
- (D) INITIAL CLOSED-IN PRESSURE
- (E) SECOND INITIAL FLOW PRESSURE
- (F) SECOND FINAL FLOW PRESSURE
- (G) FINAL CLOSED-IN PRESSURE
- (H) FINAL HYDROSTATIC MUD



# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

No 6555

|                                       |                            |                                                                      |
|---------------------------------------|----------------------------|----------------------------------------------------------------------|
| Well Name & No. <u>Dechant 'A' #1</u> | Test No. <u>7</u>          | Date <u>10-28-93</u>                                                 |
| Company <u>AFG Energy, Inc.</u>       | Zone Tested _____          |                                                                      |
| Address _____                         | Elevation <u>2041 K.B.</u> |                                                                      |
| Co. Rep./Geo. <u>Ed Glassman</u>      | Cont. <u>Duke #1</u>       | Est. Ft. of Pay _____                                                |
| Location: Sec. <u>23</u>              | Twp. <u>16</u>             | Rge. <u>18</u> Co. <u>Rush</u> State <u>Ks.</u>                      |
| No. of Copies _____                   | Distribution Sheet _____   | Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____ |

Interval Tested 3230-3356 Drill Pipe Size 4.5 XH  
 Anchor Length 126 Top Choke — 1" Bottom Choke — 1/4"  
 Top Packer Depth 3230 Hole Size — 77/8" Rubber Size — 63/4"  
 Bottom Packer Depth 3356 Wt. Pipe I.D. — 2.7 Ft. Run \_\_\_\_\_  
 Total Depth 3600 Drill Collar — 2.25 Ft. Run 90'  
 Mud Wt. 9.4 lb/gal. Viscosity 51 Filtrate 12  
 Tool Open @ 7:30 p.m. Initial Blow Weak-building to B.O.B. in 40 min

Final Blow Weak-building to B.O.B. in 23 min.

| Recovery — Total Feet                    | Feet of Gas in Pipe                      | Flush Tool? |
|------------------------------------------|------------------------------------------|-------------|
| Rec. <u>372</u> Feet Of <u>Gassy Mud</u> | <u>0</u> %gas %oil %water <u>95</u> %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 112 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 10,200 ppm System

|                                             |     |                               |                          |
|---------------------------------------------|-----|-------------------------------|--------------------------|
| (A) Initial Hydrostatic Mud <u>1746</u>     | PSI | Ak1 Recorder No. <u>13754</u> | Range <u>4000</u>        |
| (B) First Initial Flow Pressure <u>226</u>  | PSI | @ (depth) <u>3234</u>         | w/Clock No. <u>27501</u> |
| (C) First Final Flow Pressure <u>236</u>    | PSI | Ak1 Recorder No. <u>7437</u>  | Range <u>4200</u>        |
| (D) Initial Shut-In Pressure <u>798</u>     | PSI | @ (depth) <u>3352</u>         | w/Clock No. <u>27567</u> |
| (E) Second Initial Flow Pressure <u>246</u> | PSI | Ak1 Recorder No. <u>13849</u> | Range <u>4375</u>        |
| (F) Second Final Flow Pressure <u>265</u>   | PSI | @ (depth) <u>3596</u>         | w/Clock No. _____        |
| (G) Final Shut-In Pressure <u>630</u>       | PSI | Initial Opening <u>90</u>     | Test <u>400.00</u>       |
| (H) Final Hydrostatic Mud <u>1716</u>       | PSI | Initial Shut-In <u>60</u>     | Jars _____               |

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Final Flow 60 Safety Joint \_\_\_\_\_  
 Final Shut-In 60 Straddle X 250.00  
 Circ. Sub \_\_\_\_\_  
 Sampler \_\_\_\_\_  
 Extra Packer X 150.00  
 Other Shale Packer 215.00  
 TOTAL PRICE \$ 1215.00

Approved By Ed Glassman

Our Representative Dan Bangle