

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name KAISER "A" #1 Test No. 1 Date 10/5/93
Company AFG ENERGY, INC. Zone TOPEKA-LKC
Address P.O. BOX 458 HAYS KANSAS 67601 Elevation _____
Co. Rep./Geo. ED GLASSMAN Cont. EMPHASIS RIG #5 Est. Ft. of Pay _____
Location: Sec. 21 Twp. 16S Rge. 16W Co. RUSH State KS

Interval Tested <u>3141-3282</u>	Drill Pipe Size <u>4.5" XH</u>
Anchor Length <u>141</u>	Wt. Pipe I.D. - 2.7 Ft. Run <u>62</u>
Top Packer Depth <u>3136</u>	Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth <u>3141</u>	Mud Wt. <u>8.8</u> lb/Gal.
Total Depth <u>3282</u>	Viscosity <u>51</u> Filtrate <u>10.4</u>

Tool Open @ 12:53 PM Initial Blow WEAK STEADY SURFACE BLOW

Final Blow WEAK STEADY SURFACE BLOW

Recovery - Total Feet 60 Flush Tool? NO

Rec. <u>60</u>	Feet of <u>DRILLING MUD</u>
Rec. _____	Feet of _____
Rec. _____	Feet of _____
Rec. _____	Feet of _____
Rec. _____	Feet of _____

BHT 105 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 10000 ppm System

(A) Initial Hydrostatic Mud 1640.8 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 104.5 PSI @ (depth) 3145 w / Clock No. 27567

(C) First Final Flow Pressure 104.5 PSI AK1 Recorder No. 7437 Range 4200

(D) Initial Shut-in Pressure 1099.6 PSI @ (depth) 3278 w / Clock No. 27501

(E) Second Initial Flow Pressure 106.7 PSI AK1 Recorder No. _____ Range _____

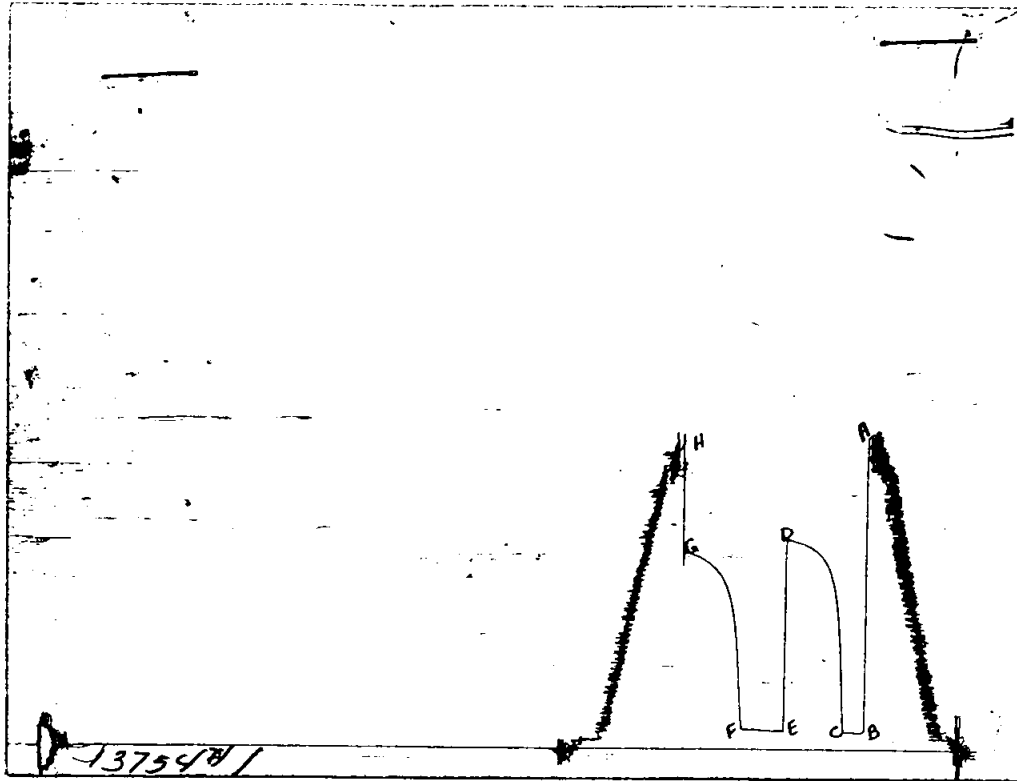
(F) Second Final Flow Pressure 110.4 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1020.6 PSI Initial Opening 15 Final Flow 30

(H) Final Hydrostatic Mud 1577.8 PSI Initial Shut-in 45 Final Shut-in 45

Our Representative DAN BANGLE

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1636	1640.8
(B) FIRST INITIAL FLOW PRESSURE	98	104.5
(C) FIRST FINAL FLOW PRESSURE	98	104.5
(D) INITIAL CLOSED-IN PRESSURE	1086	1099.6
(E) SECOND INITIAL FLOW PRESSURE	98	106.7
(F) SECOND FINAL FLOW PRESSURE	108	110.4
(G) FINAL CLOSED-IN PRESSURE	1016	1020.6
(H) FINAL HYDROSTATIC MUD	1576	1577.8

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 6239

Well Name & No.	Kaiser 'A' #1	Test No.	1	Date	10-5-93
Company	APG Energy Inc	Zone Tested	Topeka - C	LKC	
Address	P.O. Box 458 Hays, KS. 67601	Elevation			
Co. Rep./Geo.	Ed Glassman	Cont.	Emphasis #5	Est. Ft. of Pay	
Location: Sec.	21	Twp.	16	Rge.	16
		Co.	Rush	State	Ks.
No. of Copies		Distribution Sheet		Yes	No
		Turnkey		Yes	No
		Evaluation			

Interval Tested 3141 - 3282 Drill Pipe Size 4.5 XH
Anchor Length 141 Top Choke - 1" Bottom Choke - 3/4"
Top Packer Depth 3136 Hole Size - 7 7/8" Rubber Size - 6 3/4"
Bottom Packer Depth 3141 Wt. Pipe I.D. - 2.7 Ft. Run 62'
Total Depth 3282 Drill Collar - 2.25 Ft. Run
Mud Wt. 8.8 lb/gal. Viscosity 51 Filtrate 10.4
Tool Open @ 12:53 p.m. Initial Blow weak steady surface blow

Final Blow weak steady surface blow

Recovery - Total Feet	60	Feet of Gas in Pipe		Flush Tool?	
Rec.	60	Feet Of	D.M.	%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 105 °F Gravity °API @ °F Corrected Gravity °API

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

(A) Initial Hydrostatic Mud 1636 PSI Ak1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 98 PSI @ (depth) 3145 w/Clock No. 27567

(C) First Final Flow Pressure 98 PSI AK1 Recorder No. 7427 Range 4200

(D) Initial Shut-In Pressure 1086 PSI @ (depth) 3278 w/Clock No. 27501

(E) Second Initial Flow Pressure 98 PSI AK1 Recorder No. Range

(F) Second Final Flow Pressure 108 PSI @ (depth) w/Clock No.

(G) Final Shut-In Pressure 1016 PSI Initial Opening 15 Test 600.00

(H) Final Hydrostatic Mud 1576 PSI Initial Shut-In 45 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 30 Safety Joint

Final Shut-In 45 Straddle

Circ. Sub

Sampler

Extra Packer

Other

TOTAL PRICE \$ 600.00

Approved By Ed Glassman

Our Representative Dan Banafie

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name KAISER "A" #1 Test No. 2 Date 10/6/93
Company AFG ENERGY, INC. Zone LKC "G"
Address P.O. BOX 458 HAYS KANSAS 67601 Elevation _____
Co. Rep./Geo. ED GLASSMAN Cont. EMPHASIS RIG #5 Est. Ft. of Pay _____
Location: Sec. 21 Twp. 16S Rge. 16W Co. RUSH State KS

Interval Tested <u>3324-3350</u>	Drill Pipe Size <u>4.5" XH</u>
Anchor Length <u>26</u>	Wt. Pipe I.D. - 2.7 Ft. Run <u>191</u>
Top Packer Depth <u>3319</u>	Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth <u>3324</u>	Mud Wt. <u>9.2</u> lb/Gal.
Total Depth <u>3350</u>	Viscosity <u>50</u> Filtrate <u>10</u>

Tool Open @ 5:18 AM Initial Blow WEAK-STEADY SURFACE BLOW

Final Blow WEAK-STEADY SURFACE BLOW

Recovery - Total Feet 50 Flush Tool? NO

Rec. <u>50</u>	Feet of <u>DRILLING MUD WITH SHOW OF FREE OIL ON TOP</u>
Rec. _____	Feet of _____
Rec. _____	Feet of _____
Rec. _____	Feet of _____
Rec. _____	Feet of _____

BHT 106 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 10000 ppm System

(A) Initial Hydrostatic Mud 1699.4 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 31.2 PSI @ (depth) 3328 w / Clock No. 27567

(C) First Final Flow Pressure 31.2 PSI AK1 Recorder No. 7437 Range 4200

(D) Initial Shut-in Pressure 1071.5 PSI @ (depth) 3346 w / Clock No. 27501

(E) Second Initial Flow Pressure 50.6 PSI AK1 Recorder No. _____ Range _____

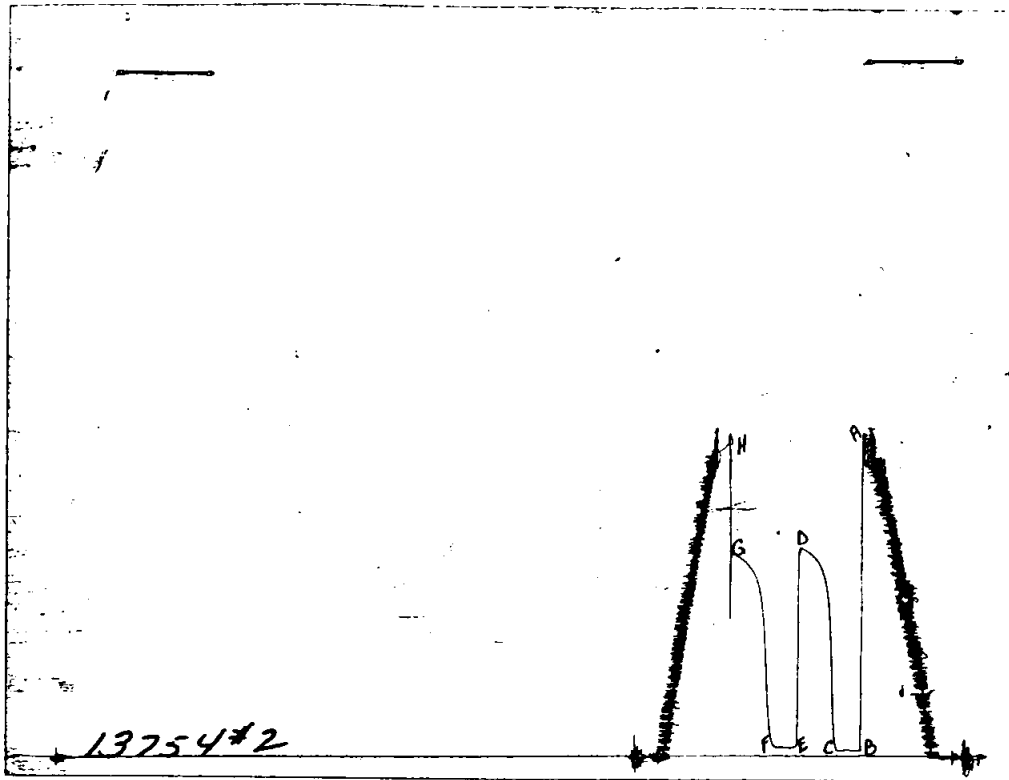
(F) Second Final Flow Pressure 50.6 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1041.3 PSI Initial Opening 15 Final Flow 15

(H) Final Hydrostatic Mud 1670.8 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative DAN BANGLE

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
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(A) INITIAL HYDROSTATIC MUD	1686	1699.4
(B) FIRST INITIAL FLOW PRESSURE	29	31.2
(C) FIRST FINAL FLOW PRESSURE	29	31.2
(D) INITIAL CLOSED-IN PRESSURE	1066	1071.5
(E) SECOND INITIAL FLOW PRESSURE	49	50.6
(F) SECOND FINAL FLOW PRESSURE	49	50.6
(G) FINAL CLOSED-IN PRESSURE	1036	1041.3
(H) FINAL HYDROSTATIC MUD	1666	1670.8

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 6240

Well Name & No. <u>Kaiser 'A' #1</u>	Test No. <u>2</u>	Date <u>10-6-93</u>
Company <u>APG Energy Inc.</u>	Zone Tested <u>'G'</u>	<u>L.K.C.</u>
Address _____	Elevation _____	
Co. Rep./Geo. <u>Ed Glassman</u>	Cont. <u>Emphasis #5</u>	Est. Ft. of Pay _____
Location: Sec. <u>21</u>	Twp. <u>16</u>	Rge. <u>16</u> Co. <u>Rush</u> State <u>Ks.</u>
No. of Copies _____	Distribution Sheet _____	Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 3324-3350 Drill Pipe Size 4.5 XH
 Anchor Length 26 Top Choke — 1" Bottom Choke — 3/4"
 Top Packer Depth 3319 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Bottom Packer Depth 3324 Wt. Pipe I.D. — 2.7 Ft. Run 191'
 Total Depth 3350 Drill Collar — 2.25 Ft. Run _____
 Mud Wt. 9.2 lb/gal. Viscosity 50 Filtrate 10
 Tool Open @ 5:18 a.m. Initial Blow Weak-steady surface blow

Final Blow Weak-steady surface blow

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?
Rec. <u>50</u>	Feet Of <u>D.M.W./show of free</u>	%gas %oil %water %mud
Rec. _____	Feet Of <u>oil on top</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

BHT 106 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

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

(A) Initial Hydrostatic Mud	<u>1686</u>	PSI	Ak1 Recorder No. <u>13754</u>	Range <u>4000</u>
(B) First Initial Flow Pressure	<u>29</u>	PSI	@ (depth) <u>3328</u>	w/Clock No. <u>27567</u>
(C) First Final Flow Pressure	<u>29</u>	PSI	Ak1 Recorder No. <u>7437</u>	Range <u>4200</u>
(D) Initial Shut-In Pressure	<u>1066</u>	PSI	@ (depth) <u>3346</u>	w/Clock No. <u>27501</u>
(E) Second Initial Flow Pressure	<u>49</u>	PSI	Ak1 Recorder No. _____	Range _____
(F) Second Final Flow Pressure	<u>49</u>	PSI	@ (depth) _____	w/Clock No. _____
(G) Final Shut-In Pressure	<u>1036</u>	PSI	Initial Opening <u>15</u>	Test <u>600.00</u>
(H) Final Hydrostatic Mud	<u>1666</u>	PSI	Initial Shut-In <u>30</u>	Jars _____

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Final Flow 15 Safety Joint _____
 Final Shut-In 30 Straddle _____
 Circ. Sub _____
 Sampler _____
 Extra Packer _____
 Other _____

Approved By Ed Glassman

Our Representative Dan Banoff

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name KAISER "A" #1 Test No. 3 Date 10/6/93
Company AFG ENERGY, INC. Zone KC/BASAL SAN
Address P.O. BOX 458 HAYS KANSAS 67601 Elevation _____
Co. Rep./Geo. ED GLASSMAN Cont. EMPHASIS RIG #5 Est. Ft. of Pay _____
Location: Sec. 21 Twp. 16S Rge. 16W Co. RUSH State KS

Interval Tested <u>3382-3515</u>	Drill Pipe Size <u>4.5" XH</u>
Anchor Length <u>133</u>	Wt. Pipe I.D. - 2.7 Ft. Run <u>129</u>
Top Packer Depth <u>3377</u>	Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth <u>3382</u>	Mud Wt. <u>9</u> lb/Gal.
Total Depth <u>3515</u>	Viscosity <u>69</u> Filtrate <u>13.6</u>

Tool Open @ 11:53 PM ^{Initial Blow} WEAK-STEADY SURFACE BLOW

Final Blow WEAK-STEADY SURFACE BLOW

Recovery - Total Feet 10 Flush Tool? NO

Rec. <u>10</u>	Feet of <u>DRILLING MUD</u>
Rec. _____	Feet of _____
Rec. _____	Feet of _____
Rec. _____	Feet of _____
Rec. _____	Feet of _____

BHT 108 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 12000 ppm System

(A) Initial Hydrostatic Mud 1801.2 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 91.3 PSI @ (depth) 3386 w / Clock No. 27567

(C) First Final Flow Pressure 91.3 PSI AK1 Recorder No. 7437 Range 4200

(D) Initial Shut-in Pressure 488.5 PSI @ (depth) 3511 w / Clock No. 27501

(E) Second Initial Flow Pressure 104.5 PSI AK1 Recorder No. _____ Range _____

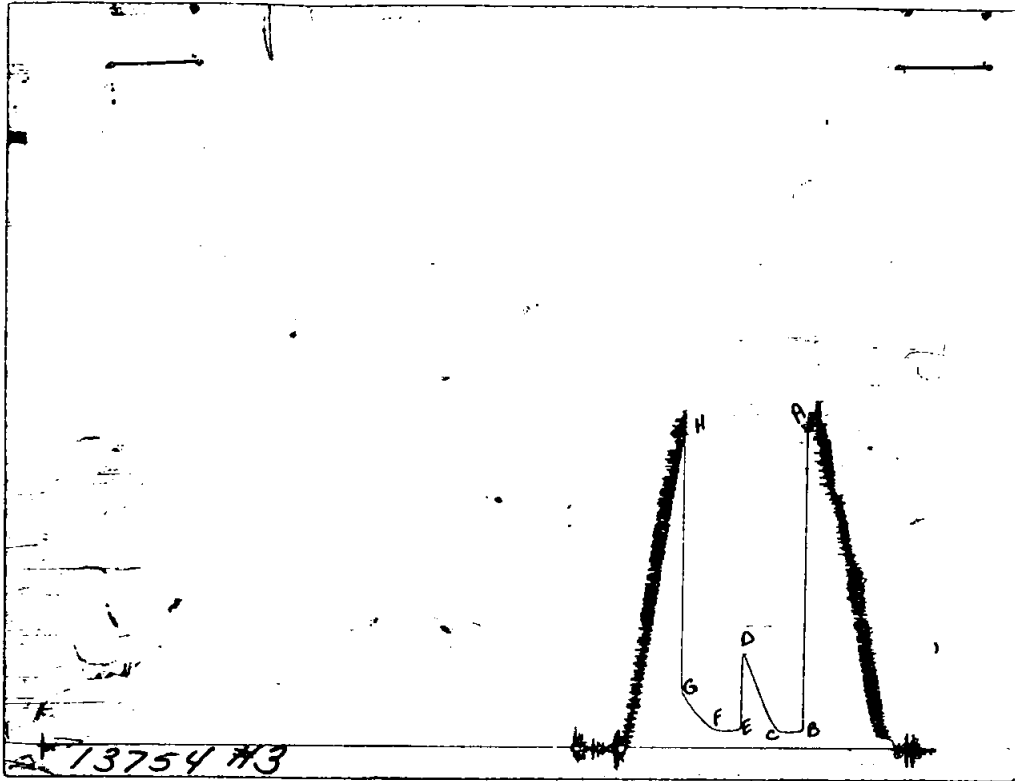
(F) Second Final Flow Pressure 104.5 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 277.9 PSI Initial Opening 15 Final Flow 15

(H) Final Hydrostatic Mud 1733.4 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative DAN BANGLE

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1796	1801.2
(B) FIRST INITIAL FLOW PRESSURE	88	91.3
(C) FIRST FINAL FLOW PRESSURE	88	91.3
(D) INITIAL CLOSED-IN PRESSURE	482	488.5
(E) SECOND INITIAL FLOW PRESSURE	98	104.5
(F) SECOND FINAL FLOW PRESSURE	98	104.5
(G) FINAL CLOSED-IN PRESSURE	275	277.9
(H) FINAL HYDROSTATIC MUD	1726	1733.4

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 6241

Well Name & No. <u>Kaiser "A" #1</u>	Test No. <u>3</u>	Date <u>10-6-93</u>
Company <u>APG Energy Inc.</u>	Zone Tested <u>K.C. Basal Sd</u>	
Address _____	Elevation _____	
Co. Rep./Geo. <u>Ed Glassman</u>	Cont. <u>Emphasis #5</u>	Est. Ft. of Pay _____
Location: Sec. <u>21</u>	Twp. <u>16</u>	Rge. <u>16</u>
Co. <u>Rush</u>	State <u>Ks.</u>	
No. of Copies <u>5</u>	Distribution Sheet _____	Yes _____ No _____ Turnkey _____
		Yes _____ No _____ Evaluation _____

Interval Tested <u>3382-3515</u>	Drill Pipe Size <u>4.5 X H</u>
Anchor Length <u>133</u>	Top Choke — 1" _____ Bottom Choke — 3/4" _____
Top Packer Depth <u>3377</u>	Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
Bottom Packer Depth <u>3382</u>	Wt. Pipe I.D. — 2.7 Ft. Run <u>129</u>
Total Depth <u>3515</u>	Drill Collar — 2.25 Ft. Run _____
Mud Wt. <u>9</u> lb/gal.	Viscosity <u>69</u> Filtrate <u>13.6</u>
Tool Open @ <u>11:53 p.m.</u> Initial Blow <u>weak-steady surface blow</u>	

Final Blow Weak steady surface blow

Recovery — Total Feet <u>10</u>	Feet of Gas in Pipe _____	Flush Tool? _____
Rec. <u>10</u> Feet Of <u>D.M.</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 108 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 12,000 ppm System

(A) Initial Hydrostatic Mud <u>1796</u>	PSI	AK1 Recorder No. <u>13754</u>	Range <u>4000</u>
(B) First Initial Flow Pressure <u>88</u>	PSI	@ (depth) <u>3386</u>	w/Clock No. <u>27567</u>
(C) First Final Flow Pressure <u>88</u>	PSI	AK1 Recorder No. <u>7437</u>	Range <u>4200</u>
(D) Initial Shut-In Pressure <u>482</u>	PSI	@ (depth) <u>3511</u>	w/Clock No. <u>27501</u>
(E) Second Initial Flow Pressure <u>98</u>	PSI	AK1 Recorder No. _____	Range _____
(F) Second Final Flow Pressure <u>98</u>	PSI	@ (depth) _____	w/Clock No. _____
(G) Final Shut-In Pressure <u>275</u>	PSI	Initial Opening <u>15</u>	Test <u>600.00</u>
(H) Final Hydrostatic Mud <u>1726</u>	PSI	Initial Shut-In <u>30</u>	Jars _____

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Approved By Ed Glassman

Our Representative Dan Bangle

Final Flow <u>15</u>	Safety Joint _____
Final Shut-In <u>30</u>	Straddle _____
	Circ. Sub _____
	Sampler _____
	Extra Packer _____
	Other _____

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name KAISER "A" #1 Test No. 4 Date 10/7/93
Company AFG ENERGY, INC. Zone ARBUCKLE
Address P.O. BOX 458 HAYS KANSAS 67601 Elevation _____
Co. Rep./Geo. ED GLASSMAN Cont. EMPHASIS RIG #5 Est. Ft. of Pay _____
Location: Sec. 21 Twp. 16S Rge. 16W Co. RUSH State KS

Interval Tested <u>3460-3550</u>	Drill Pipe Size <u>4.5" XH</u>
Anchor Length <u>90</u>	Wt. Pipe I.D. - 2.7 Ft. Run <u>129</u>
Top Packer Depth <u>3460</u>	Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth <u>3550</u>	Mud Wt. <u>9.2</u> lb/Gal.
Total Depth <u>3570</u>	Viscosity <u>58</u> Filtrate <u>11.6</u>

Tool Open @ 4:30 PM Initial Blow STRONG-BOTTOM OF BUCKET IN 1 MINUTE

Final Blow STRONG-BOTTOM OF BUCKET IN 1.5 MINUTES

Recovery - Total Feet 2000 Flush Tool? NO

Rec. <u>2000</u>	Feet of <u>SALT WATER</u>
Rec. _____	Feet of _____
Rec. _____	Feet of _____
Rec. _____	Feet of _____
Rec. _____	Feet of _____

BHT 110 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 0.04 @ 76 °F Chlorides 24000 ppm Recovery Chlorides 12000 ppm System

(A) Initial Hydrostatic Mud 1758.9 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 365.4 PSI @ (depth) 3464 w / Clock No. _____

(C) First Final Flow Pressure 692.3 PSI AK1 Recorder No. 7437 Range 4200

(D) Initial Shut-in Pressure 1151.4 PSI @ (depth) 3542 w / Clock No. 27567

(E) Second Initial Flow Pressure 804.5 PSI AK1 Recorder No. 13849 Range 4375

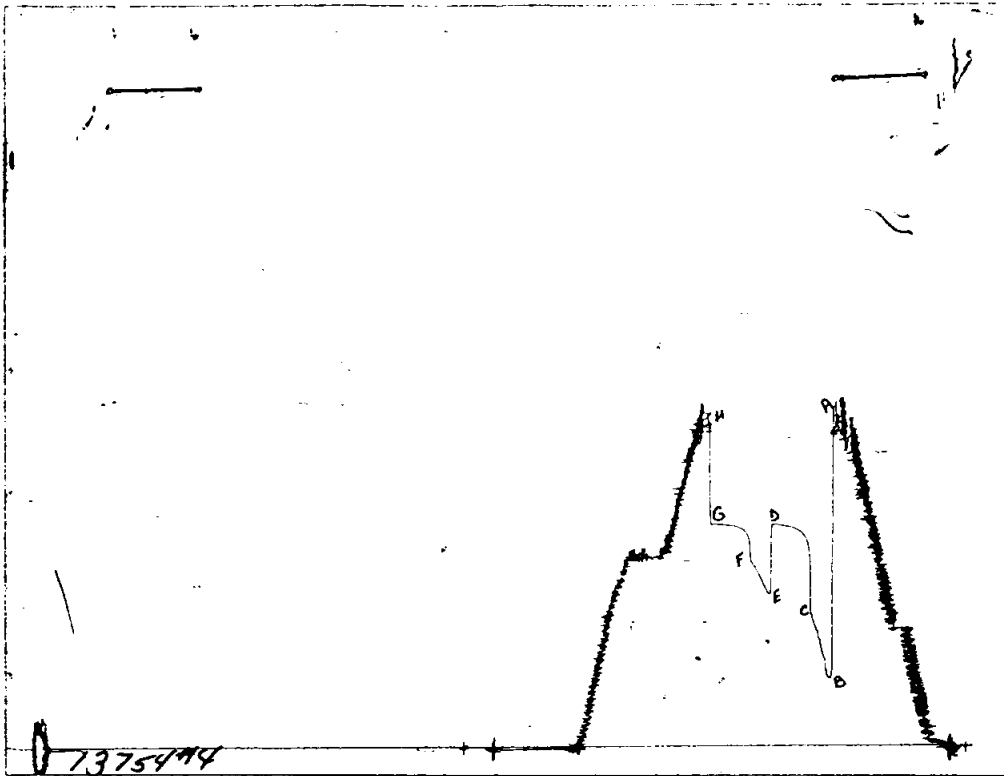
(F) Second Final Flow Pressure 970.4 PSI @ (depth) 3566 w / Clock No. 27501

(G) Final Shut-in Pressure 1141.2 PSI Initial Opening 15 Final Flow 15

(H) Final Hydrostatic Mud 1710.2 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative DAN BANGLE

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1757	1758.9
(B) FIRST INITIAL FLOW PRESSURE	363	365.4
(C) FIRST FINAL FLOW PRESSURE	684	692.3
(D) INITIAL CLOSED-IN PRESSURE	1146	1151.4
(E) SECOND INITIAL FLOW PRESSURE	799	804.5
(F) SECOND FINAL FLOW PRESSURE	967	970.4
(G) FINAL CLOSED-IN PRESSURE	1135	1141.2
(H) FINAL HYDROSTATIC MUD	1704	1710.2

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 6242

Well Name & No. <u>Kaiser "A" #1</u>	Test No. <u>4</u>	Date <u>10-7-93</u>
Company <u>AFG Energy, Inc.</u>	Zone Tested <u>Arbuckle</u>	
Address _____		Elevation _____
Co. Rep./Geo. <u>Ed Glassman</u>	Cont. <u>Emphasis #5</u>	Est. Ft. of Pay _____
Location: Sec. <u>21</u>	Twp. <u>16</u>	Rge. <u>16</u> Co. <u>Rush</u> State <u>Ks.</u>
No. of Copies _____	Distribution Sheet _____	Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 3460 - 3550 Drill Pipe Size 4.5 X H
 Anchor Length 90 Top Choke — 1" _____ Bottom Choke — 3/4" _____
 Top Packer Depth 3460 Hole Size — 77/8" _____ Rubber Size — 63/4" _____
 Bottom Packer Depth 3550 Wt. Pipe I.D. — 2.7 Ft. Run 129
 Total Depth 3570 Drill Collar — 2.25 Ft. Run _____
 Mud Wt. 9.2 lb / gal. Viscosity 58 Filtrate 11.6
 Tool Open @ 4:30 p.m. Initial Blow Strong - B.O.B. in 1 min.

Final Blow Strong - B.O.B. in 1 1/2 min.

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?
Rec. <u>2000</u> Feet Of <u>S.W.</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 110 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW 104 @ 26 °F Chlorides 24,000 ppm Recovery Chlorides 12,000 ppm System

(A) Initial Hydrostatic Mud 1757 PSI Ak1 Recorder No. 13754 Range 4000
 (B) First Initial Flow Pressure 363 PSI @ (depth) 3464 w/Clock No. _____
 (C) First Final Flow Pressure 684 PSI AK1 Recorder No. 7437 Range 4200
 (D) Initial Shut-In Pressure 1146 PSI @ (depth) 3542 w/Clock No. 27567
 (E) Second Initial Flow Pressure 799 PSI AK1 Recorder No. 13849 Range 4375
 (F) Second Final Flow Pressure 967 PSI @ (depth) 3566 w/Clock No. 27501
 (G) Final Shut-In Pressure 1135 PSI Initial Opening 15 Test 600.00
 (H) Final Hydrostatic Mud 1704 PSI Initial Shut-In 30 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 15 Safety Joint _____
 Final Shut-In 30 Straddle X 250.00

Circ. Sub X 35.00
 Sampler _____

Approved By _____

Our Representative Dan Bonafe

Extra Packer X 150.00

Other _____