TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name: SCHNEIDER 'B' #2 | Test No. 1 | Date 7/3/94

Company: AFG ENERGY, INC. | Zone TOPEKA

Address: P.O. BOX 458 HAYS KANSAS 67601 | Elevation 2031KB

Co. Rep./Geo.: ED GLASSMAN | Cont. DUKE #4 | Est. Ft. of Pay

Location: Sec. 2 | Twp. 18 | Rge. 16 | Co. RUSH | State KS

Interval Tested: 2971-3025

Anchor Length: 54

Top Packer Depth: 2966

Bottom Packer Depth: 2971

Total Depth: 3025

Drill Pipe Size: 4.5" XH

Wt. Pipe I.D. - 2.7 Ft. Run:

Drill Collar – 2.25 Ft. Run:

Mud Wt.: 8.9 lb/Gal.

Viscosity: 46 | Filtrate: 11.6

Tool Open @: 2:35 A.M | Initial Blow: WEAK - BUILDING TO 5" BLOW

Final Blow: WEAK - BUILDING TO 4" BLOW

Recovery - Total Feet: 10

Flush Tool?: NO

Rec. 180 Feet of GAS IN PIPE

Rec. 10 Feet of DRILLING MUD

Rec. Feet of

Rec. Feet of

Rec. Feet of

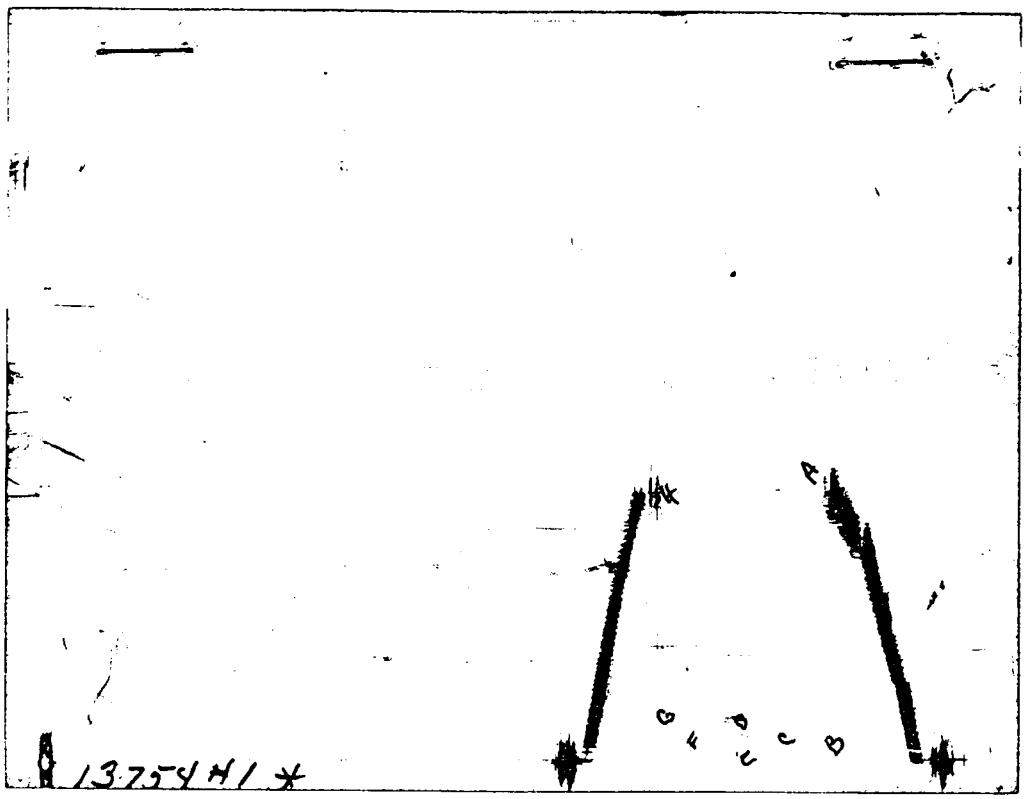
BHT 102 °F | Gravity °API | @ °F | Corrected Gravity °API

RW @ 0 °F | Chlorides ppm Recovery | Chlorides 6000 ppm System

(A) Initial Hydrostatic Mud	1463.9 PSI	AK1 Recorder No. 13754	Range 4000
(B) First Initial Flow Pressure	34.4 PSI	@ (depth) 2975	w / Clock No. 27567
(C) First Final Flow Pressure	34.4 PSI	AK1 Recorder No. 13849	Range 4375
(D) Initial Shut-in Pressure	135.8 PSI	@ (depth) 3021	w / Clock No. 27501
(E) Second Initial Flow Pressure	33.4 PSI	AK1 Recorder No.	Range
(F) Second Final Flow Pressure	33.4 PSI	@ (depth)	w / Clock No.
(G) Final Shut-in Pressure	162.4 PSI	Initial Opening 30	Final Flow 30
(H) Final Hydrostatic Mud	1449.9 PSI	Initial Shut-in 30	Final Shut-in 30

Our Representative: DAN BANGLE

CHART PAGE



This is an actual photograph of recorder chart #13754

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1486	1463.9
(B) FIRST INITIAL FLOW PRESSURE	29	34.4
(C) FIRST FINAL FLOW PRESSURE	29	34.4
(D) INITIAL CLOSED-IN PRESSURE	127	135.8
(E) SECOND INITIAL FLOW PRESSURE	39	33.4
(F) SECOND FINAL FLOW PRESSURE	39	33.4
(G) FINAL CLOSED-IN PRESSURE	157	162.4
(H) FINAL HYDROSTATIC MUD	1436	1449.9

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 6885

Well Name & No. Schneider 'B' #2 Test No. 1 Date 7-3-94

Company AfG Energy, Inc. Zone Tested Topeka

Address Box 458, Hays, Ks. 67601 Elevation 2031 K.B.

Co. Rep./Geo. Ed Glassman Cont. Duke #4 Est. Ft. of Pay

Location: Sec. 2 Twp. 18 Rge. 16 Co. Rush State Ks.

No. of Copies Distribution Sheet Yes No Turnkey Yes No Evaluation

Interval Tested 2971 - 3025 Drill Pipe Size 4½ XH

Anchor Length 54 Top Choke — 1" Bottom Choke — ¾"

Top Packer Depth 2966 Hole Size — 7⅞" Rubber Size — 6¾"

Bottom Packer Depth 2971 Wt. Pipe I.D. — 2.7 Ft. Run

Total Depth 3025 Drill Collar — 2.25 Ft. Run

Mud Wt. 8.9 lb/gal. Viscosity 46 Filtrate 11.6

Tool Open @ 2:35 a.m. Initial Blow Weak - building To 5" blow

Final Blow Weak - building To 4" blow

Recovery — Total Feet 10 Feet of Gas in Pipe 180 Flush Tool?

Rec. 10 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
Rec. Feet Of	%gas	%oil	%water	%mud

BHT 102 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 6,000 ppm System

(A) Initial Hydrostatic Mud	1486	PSI	Ak1 Recorder No. 13754	Range	4000
(B) First Initial Flow Pressure	29	PSI	@ (depth) 2975	w/Clock No.	27567
(C) First Final Flow Pressure	29	PSI	AK1 Recorder No. 13849	Range	4375
(D) Initial Shut-In Pressure	127	PSI	@ (depth) 3021	w/Clock No.	27501
(E) Second Initial Flow Pressure	39	PSI	AK1 Recorder No.	Range	
(F) Second Final Flow Pressure	39	PSI	@ (depth)	w/Clock No.	
(G) Final Shut-In Pressure	157	PSI	Initial Opening 30	Test	600
(H) Final Hydrostatic Mud	1436	PSI	Initial Shut-In 30	Jars	
			Final Flow 30	Safety Joint	
			Final Shut-In 30	Straddle	
				Circ. Sub	
				Sampler	
				Extra Packer	
				Other	
				TOTAL PRICE $	600

Approved By Ed Glassman

Our Representative Dan Ramfe

Printcraft Printers - Hays, KS

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name SCHNEIDER 'B' #2 Test No. 2 Date 7/4/94

Company AFG ENERGY, INC. Zone C-D L.K.C.

Address P.O. BOX 458 HAYS KANSAS 67601 Elevation 2031KB

Co. Rep./Geo. ED GLASSMAN Cont. DUKE #4 Est. Ft. of Pay

Location: Sec. 2 Twp. 18 Rge. 16 Co. RUSH State KS

Interval Tested 3302-3335 Drill Pipe Size 4.5" XH

Anchor Length 33 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 3297 Drill Collar -- 2.25 Ft. Run

Bottom Packer Depth 3302 Mud Wt. 8.8 lb/Gal.

Total Depth 3335 Viscosity 47 Filtrate 11.2

Tool Open @ 4:15 A.M Initial Blow STRONG - BOTTOM OF BUCKET IN 30 SEC

Final Blow STRONG - BOTTOM OF BUCKET IN 20 SEC

GAS TO SURFACE IN 5 MIN TO SMALL TO MEASURE

Recovery - Total Feet 25 Flush Tool? NO

Rec. Feet of GAS TO SURFACE

Rec. 25 Feet of DRILLING MUD

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 110 °F Gravity °API @ °F Corrected Gravity °API

RW @ 0 °F Chlorides ppm Recovery Chlorides 8000 ppm System

(A) Initial Hydrostatic Mud 1639.9 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 21.6 PSI @ (depth) 3306 w / Clock No. 27567

(C) First Final Flow Pressure 21.6 PSI AK1 Recorder No. 13849 Range 4375

(D) Initial Shut-in Pressure 618.5 PSI @ (depth) 3331 w / Clock No. 27501

(E) Second Initial Flow Pressure 17.7 PSI AK1 Recorder No. Range

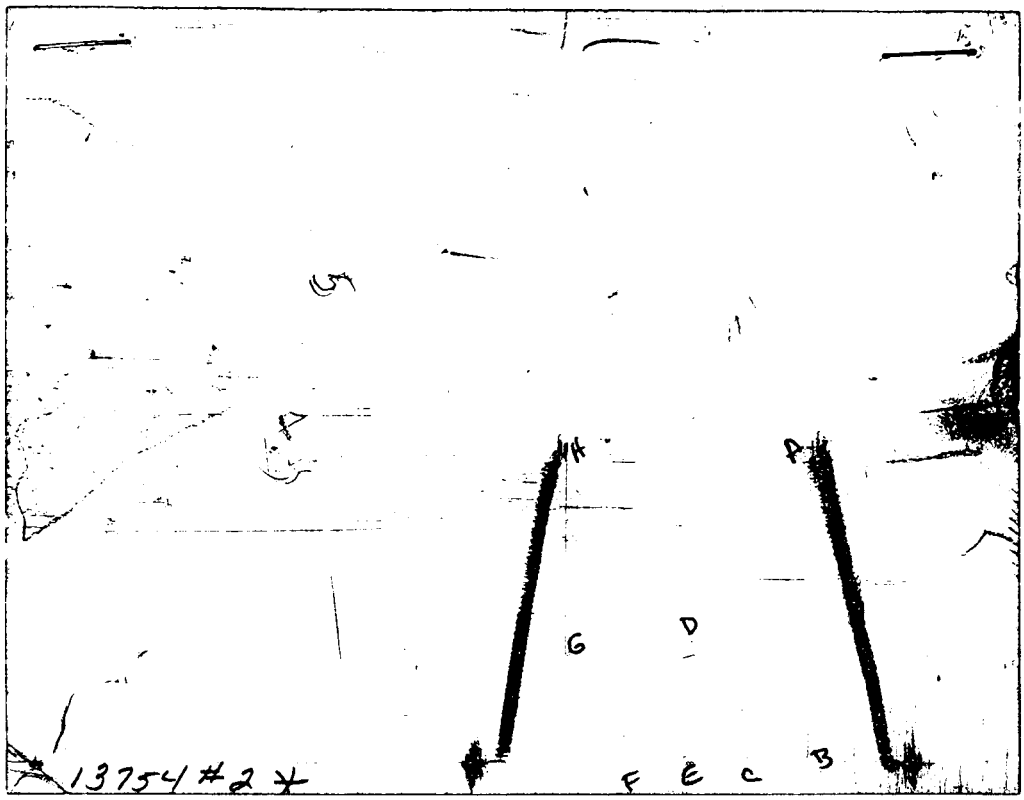
(F) Second Final Flow Pressure 19.6 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 545.4 PSI Initial Opening 45 Final Flow 45

(H) Final Hydrostatic Mud 1540.9 PSI Initial Shut-in 45 Final Shut-in 45

Our Representative DAN BANGLE

CHART PAGE



This is an actual photograph of recorder chart #13754

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1656	1639.9
(B) FIRST INITIAL FLOW PRESSURE	19	21.6
(C) FIRST FINAL FLOW PRESSURE	19	21.6
(D) INITIAL CLOSED-IN PRESSURE	620	618.5
(E) SECOND INITIAL FLOW PRESSURE	19	17.7
(F) SECOND FINAL FLOW PRESSURE	19	19.6
(G) FINAL CLOSED-IN PRESSURE	561	545.4
(H) FINAL HYDROSTATIC MUD	1586	1540.9

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No. 6886

Well Name & No. Schneider 'B' #2 Test No. 2 Date 7-4-94

Company A f G Energy, Inc Zone Tested C-D L.K.C.

Address _____ Elevation 2031 K.B.

Co. Rep./Geo. Ed Glassman Cont. Duke #4 Est. Ft. of Pay _____

Location: Sec. 2 Twp. 18 Rge. 16 Co. Rush State Ks.

No. of Copies _____ Distribution Sheet _____ Yes _____ No Turnkey _____ Yes _____ No _____ Evaluation

Interval Tested 3302 - 3335 Drill Pipe Size 4.5 XH

Anchor Length 33 Top Choke — 1" _____ Bottom Choke — ¾" _____

Top Packer Depth 3297 Hole Size — 7⅞" _____ Rubber Size — 6¾" _____

Bottom Packer Depth 3302 Wt. Pipe I.D. — 2.7 Ft. Run _____

Total Depth 3335 Drill Collar — 2.25 Ft. Run _____

Mud Wt. 8.8 lb / gal. Viscosity 47 Filtrate 11.2

Tool Open @ 4:15 a.m. Initial Blow Strong - B.O.B in 30 sec.

Final Blow Strong - B.O.B. in 20 sec. GTS in 5 min. (TSTM)

Recovery — Total Feet 25 Feet of Gas in Pipe GTS Flush Tool? _____

Rec. 25	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
Rec. _____	Feet Of _____	%gas	%oil	%water	%mud

BHT 110 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

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

(A) Initial Hydrostatic Mud	1656 PSI	Ak1 Recorder No.	13754	Range	4000
(B) First Initial Flow Pressure	19 PSI	@ (depth)	3306	w/Clock No.	27567
(C) First Final Flow Pressure	19 PSI	AK1 Recorder No.	13849	Range	4325
(D) Initial Shut-In Pressure	620 PSI	@ (depth)	3331	w/Clock No.	27501
(E) Second Initial Flow Pressure	19 PSI	AK1 Recorder No.	_____	Range	_____
(F) Second Final Flow Pressure	19 PSI	@ (depth)	_____	w/Clock No.	_____
(G) Final Shut-In Pressure	561 PSI	Initial Opening	45	Test	_____
(H) Final Hydrostatic Mud	1586 PSI	Initial Shut-In	45	Jars	_____
		Final Flow	45	Safety Joint	_____
		Final Shut-In	45	Straddle	_____
				Circ. Sub	_____
				Sampler	_____
				Extra Packer	_____
				Other	_____
				TOTAL PRICE $	_____

Approved By Ed Glassman

Our Representative Don Bangle

Printcraft Printers - Hays, KS

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name SCHNEIDER 'B' #2 Test No. 3 Date 7/4/94

Company AFG ENERGY, INC. Zone G-H L.K.C.

Address P.O. BOX 458 HAYS KANSAS 67601 Elevation 2031KB

Co. Rep./Geo. ED GLASSMAN Cont. DUKE #4 Est. Ft. of Pay

Location: Sec. 2 Twp. 18 Rge. 16 Co. RUSH State KS

Interval Tested 3357-3450 Drill Pipe Size 4.5" XH

Anchor Length 93 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 3352 Drill Collar – 2.25 Ft. Run

Bottom Packer Depth 3357 Mud Wt. 9 lb/Gal.

Total Depth 3450 Viscosity 50 Filtrate 8.8

Tool Open @ 8:25 P.M. Initial Blow WEAK -BUILDING TO 8" FAIR BLOW

Final Blow WEAK - BUILDING TO 1"

Recovery - Total Feet 125 Flush Tool? NO

Rec. 125 Feet of SLIGHTLY WATERY MUD 6% WATER/94% MUD

Rec. Feet of WITH OIL SPOTS ON TOP

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 112 °F Gravity °API @ °F Corrected Gravity °API

RW @ 0 °F Chlorides ppm Recovery Chlorides 6000 ppm System

(A) Initial Hydrostatic Mud 1814.9 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 60.0 PSI @ (depth) 3361 w / Clock No 27567

(C) First Final Flow Pressure 91.5 PSI AK1 Recorder No. 13849 Range 4375

(D) Initial Shut-in Pressure 984.1 PSI @ (depth) 3446 w / Clock No. 27501

(E) Second Initial Flow Pressure 96.8 PSI AK1 Recorder No. Range

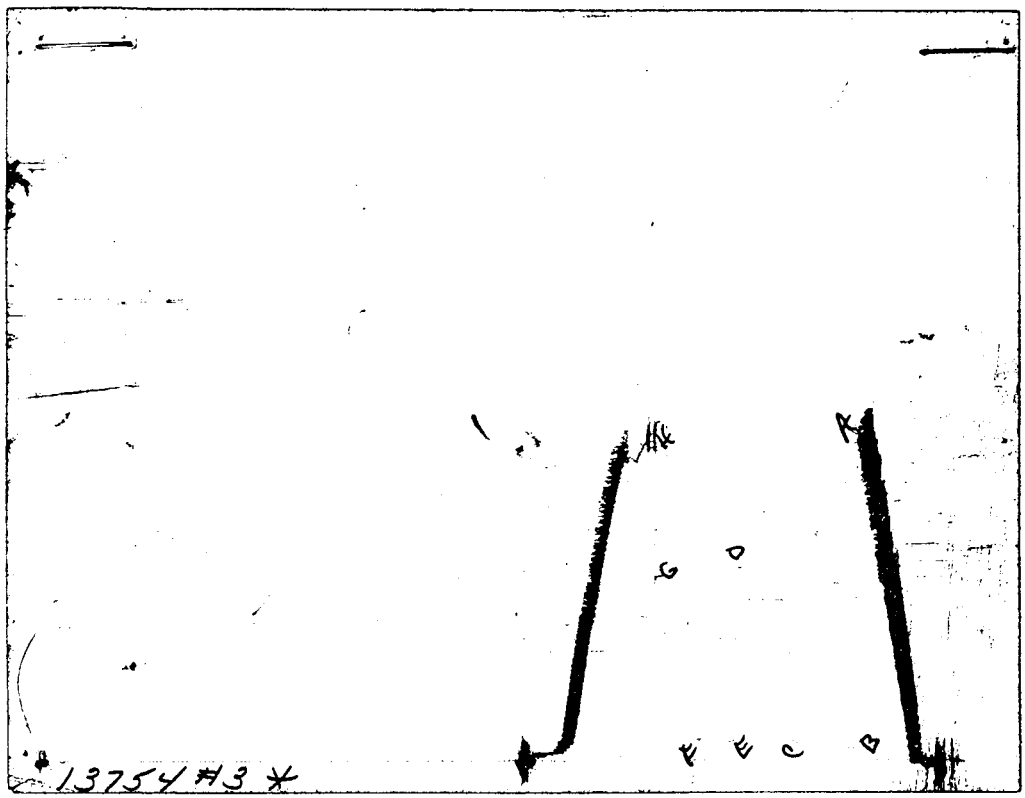
(F) Second Final Flow Pressure 118.1 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 941.6 PSI Initial Opening 45 Final Flow 30

(H) Final Hydrostatic Mud 1650.9 PSI Initial Shut-in 45 Final Shut-in 30

Our Representative DAN BANGLE

CHART PAGE



This is an actual photograph of recorder chart #13754

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1816	1814.9
(B) FIRST INITIAL FLOW PRESSURE	68	60
(C) FIRST FINAL FLOW PRESSURE	98	91.5
(D) INITIAL CLOSED-IN PRESSURE	986	984.1
(E) SECOND INITIAL FLOW PRESSURE	98	96.8
(F) SECOND FINAL FLOW PRESSURE	118	118.1
(G) FINAL CLOSED-IN PRESSURE	936	941.6
(H) FINAL HYDROSTATIC MUD	1636	1650.9

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 6887

Well Name & No. Schneider 'B' #2 Test No. 3 Date 7-4-94

Company AFG Energy, Inc Zone Tested G-H L.K.C.

Address _____ Elevation 2031 K.B.

Co. Rep./Geo. Ed Glassman Cont. Duke #4 Est. Ft. of Pay _____

Location: Sec. 2 Twp. 18 Rge. 16 Co. Rush State Ks.

No. of Copies _____ Distribution Sheet _____ Yes _____ No Turnkey _____ Yes _____ No _____ Evaluation

Interval Tested 3357 - 3450 Drill Pipe Size 4.5 XH

Anchor Length 93 Top Choke — 1" _____ Bottom Choke — ¾" _____

Top Packer Depth 3352 Hole Size — 7⅞" _____ Rubber Size — 6¾" _____

Bottom Packer Depth 3357 Wt. Pipe I.D. — 2.7 Ft. Run _____

Total Depth 3450 Drill Collar — 2.25 Ft. Run _____

Mud Wt. 9 lb/gal. Viscosity 50 Filtrate 8.8

Tool Open @ 8:25 p.m. Initial Blow Weak - building to 8" fair blow

Final Blow Weak - building to 1"

Recovery — Total Feet 125 Feet of Gas in Pipe _____ Flush Tool? _____

Rec. 125 Feet Of Slty wtry Mud %gas %oil 6 %water 94 %mud

Rec. _____ Feet Of w/ oil spots on Top %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 6,000 ppm System

(A) Initial Hydrostatic Mud 1816 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 68 PSI @ (depth) 3361 w/Clock No. 22567

(C) First Final Flow Pressure 98 PSI AK1 Recorder No. 13849 Range 4375

(D) Initial Shut-In Pressure 986 PSI @ (depth) 3446 w/Clock No. 27501

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

(F) Second Final Flow Pressure 118 PSI @ (depth) _____ w/Clock No. _____

(G) Final Shut-In Pressure 936 PSI Initial Opening 45 Test _____

(H) Final Hydrostatic Mud 1636 PSI Initial Shut-In 45 Jars _____

Final Flow 30 Safety Joint _____

Final Shut-In 30 Straddle _____

Circ. Sub _____

Sampler _____

Extra Packer _____

Other _____

TOTAL PRICE $ 600

Approved By Ed Glassman

Our Representative Dan Bangle

Printcraft Printers - Hays, KS

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name SCHNEIDER 'B' #2 Test No. 4 Date 7/5/94

Company AFG ENERGY, INC. Zone I-J BASIL Sd

Address P.O. BOX 458 HAYS KANSAS 67601 Elevation 2031KB

Co. Rep./Geo. ED GLASSMAN Cont. DUKE #4 Est. Ft. of Pay

Location: Sec. 2 Twp. 18 Rge. 16 Co. RUSH State KS

Interval Tested 3450-3555 Drill Pipe Size 4.5" XH

Anchor Length 105 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 3445 Drill Collar – 2.25 Ft. Run

Bottom Packer Depth 3450 Mud Wt. 9.2 lb/Gal.

Total Depth 3555 Viscosity 43 Filtrate 10.2

Tool Open @ 1:23 P.M. Initial Blow STRONG - BOTTOM OF BUCKET IN 1 1/2 MIN

Final Blow STRONG - BOTTOM OF BUCKET IN 2 MIN

GAS TO SURFACE IN 10 MIN (TO SMALL TO MEASURE)

Recovery - Total Feet 10 Flush Tool? NO

Rec. 10 Feet of DRILLING MUD

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 112 °F Gravity °API @ °F Corrected Gravity °API

RW @ 0 °F Chlorides ppm Recovery Chlorides 6000 ppm System

(A) Initial Hydrostatic Mud 1842.9 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 57.0 PSI @ (depth) 3454 w / Clock No. 27567

(C) First Final Flow Pressure 55.1 PSI AK1 Recorder No. 13849 Range 4375

(D) Initial Shut-in Pressure 1159.9 PSI @ (depth) 3551 w / Clock No. 27501

(E) Second Initial Flow Pressure 53.1 PSI AK1 Recorder No. Range

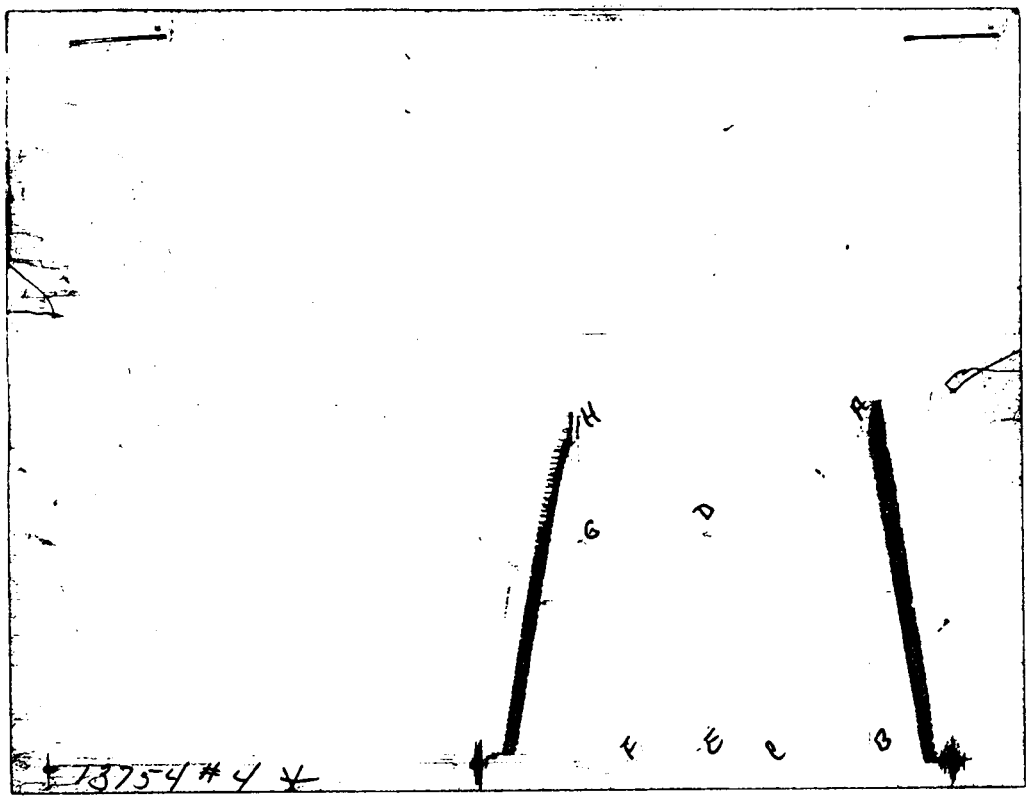
(F) Second Final Flow Pressure 53.1 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 1129.9 PSI Initial Opening 60 Final Flow 45

(H) Final Hydrostatic Mud 1777.9 PSI Initial Shut-in 60 Final Shut-in 45

Our Representative DAN BANGLE

CHART PAGE



This is an actual photograph of recorder chart #13754

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1846	1842.9
(B) FIRST INITIAL FLOW PRESSURE	49	57
(C) FIRST FINAL FLOW PRESSURE	49	55.1
(D) INITIAL CLOSED-IN PRESSURE	1166	1159.9
(E) SECOND INITIAL FLOW PRESSURE	49	53.1
(F) SECOND FINAL FLOW PRESSURE	49	53.1
(G) FINAL CLOSED-IN PRESSURE	1126	1129.9
(H) FINAL HYDROSTATIC MUD	1786	1777.9

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No. 6888

Well Name & No. Schneider 'B' #2 Test No. 4 Date 7-5-94

Company AFG Energy, Inc. Zone Tested I-J - Basil Sd

Address _____ Elevation 2031 K.B.

Co. Rep./Geo. Ed Glassman Cont. Duke #4 Est. Ft. of Pay _____

Location: Sec. 2 Twp. 18 Rge. 16 Co. Rush State Ks.

No. of Copies _____ Distribution Sheet _____ Yes _____ No Turnkey _____ Yes _____ No _____ Evaluation

Interval Tested 3450 - 3555 Drill Pipe Size 4.5 XH

Anchor Length 105 Top Choke — 1" _____ Bottom Choke — ¾" _____

Top Packer Depth 3445 Hole Size — 7⅞" _____ Rubber Size — 6¾" _____

Bottom Packer Depth 3450 Wt. Pipe I.D. — 2.7 Ft. Run _____

Total Depth 3555 Drill Collar — 2.25 Ft. Run _____

Mud Wt. 9.2 lb/gal. Viscosity 43 Filtrate 10.2

Tool Open @ 1:23 p.m. Initial Blow Strong - B.O.B. in 1½ min.

Final Blow Strong - B.O.B. in 2 min. GTS in 10 min. (TSTM)

Recovery — Total Feet 10 Feet of Gas in Pipe GTS Flush Tool? _____

Rec. 10	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
Rec. _____	Feet Of _____	%gas	%oil	%water	%mud

BHT 112 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 6,000 ppm System

(A) Initial Hydrostatic Mud	1846 PSI	AK1 Recorder No.	13754	Range	4000
(B) First Initial Flow Pressure	49 PSI	@ (depth)	3454	w/Clock No.	27567
(C) First Final Flow Pressure	49 PSI	AK1 Recorder No.	13849	Range	4375
(D) Initial Shut-In Pressure	1166 PSI	@ (depth)	3551	w/Clock No.	22501
(E) Second Initial Flow Pressure	49 PSI	AK1 Recorder No.	_____	Range	_____
(F) Second Final Flow Pressure	49 PSI	@ (depth)	_____	w/Clock No.	_____
(G) Final Shut-In Pressure	1126 PSI	Initial Opening	60	Test	_____
(H) Final Hydrostatic Mud	1786 PSI	Initial Shut-In	60	Jars	_____
		Final Flow	45	Safety Joint	_____
		Final Shut-In	45	Straddle	_____
				Circ. Sub	_____
				Sampler	_____
				Extra Packer	_____
				Other	_____
				TOTAL PRICE $	1600

Approved By E Glassman

Our Representative Dan Rompf

Printcraft Printers - Hays, KS