

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name NICKELSON #1 Test No. 1 Date 1/19/95
Company PETEX, INC. Zone LANS/KC 'J'
Address 1610 E. SUNSHINE, SPRINGFIELD, MO 65804 Elevation 3081
Co. Rep./Geo. TOM FUNK Cont. ABERCROMBIE #8 Est. Ft. of Pay _____
Location: Sec. 9 Twp. 11S Rge. 32W Co. LOGAN State KS

Interval Tested	<u>4247-4275</u>	Drill Pipe Size	<u>4.5" XH</u>
Anchor Length	<u>28</u>	Wt. Pipe I.D. - 2.7 Ft. Run	_____
Top Packer Depth	<u>4242</u>	Drill Collar - 2.25 Ft. Run	<u>317</u>
Bottom Packer Depth	<u>4247</u>	Mud Wt.	<u>9.3</u> lb/Gal.
Total Depth	<u>4275</u>	Viscosity	<u>51</u> Filtrate <u>8</u>

Tool Open @ 11:30PM Initial Blow HIT BRIDGE AT 2450 - NOT ABLE TO WORK TROUGH.

Final Blow _____

Recovery - Total Feet _____ Flush Tool? NO

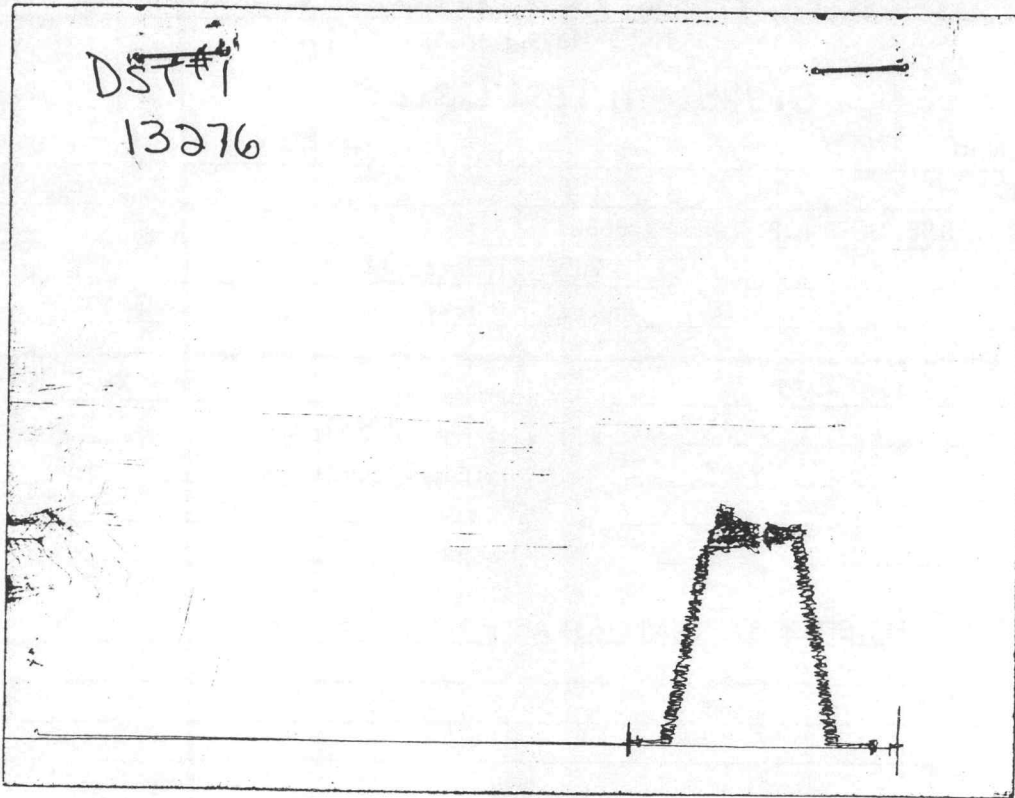
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 109 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 2200 ppm System

(A) Initial Hydrostatic Mud _____ PSI AK1 Recorder No. 13276 Range 4000
(B) First Initial Flow Pressure _____ PSI @ (depth) 4265 w / Clock No. 23832
(C) First Final Flow Pressure _____ PSI AK1 Recorder No. 13339 Range 4025
(D) Initial Shut-in Pressure _____ PSI @ (depth) 4270 w / Clock No. 23934
(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 _____ Final Flow _____
(H) Final Hydrostatic Mud _____ PSI Initial Shut-in _____ Final Shut-in _____

Our Representative ROD STEINBRINK

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

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Drill-Stem Test Data

Well Name NICKELSON #1 Test No. 2 Date 1/20/95
Company PETEX, INC. Zone LANS/KC 'J'
Address 1610 E. SUNSHINE, SPRINGFIELD, MO 65804 Elevation 3081
Co. Rep./Geo. TOM FUNK Cont. ABERCROMBIE #8 Est. Ft. of Pay _____
Location: Sec. 9 Twp. 11S Rge. 32W Co. LOGAN State KS

Interval Tested 4247-4275 Drill Pipe Size 4.5" XH
Anchor Length 28 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4242 Drill Collar - 2.25 Ft. Run 317
Bottom Packer Depth 4247 Mud Wt. 9.3 lb/Gal.
Total Depth 4275 Viscosity 51 Filtrate 8

Tool Open @ 3:30AM Initial Blow WEAK SURFACE BLOW, BUILT TO 1/2 INCH.

Final Blow NO RETURN BLOW.

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 _____ @ _____ °F Chlorides 5000 ppm Recovery Chlorides 2200 ppm System

(A) Initial Hydrostatic Mud 2002.60 PSI AK1 Recorder No. 13276 Range 4000

(B) First Initial Flow Pressure 23.70 PSI @ (depth) 4265 w / Clock No. 23832

(C) First Final Flow Pressure 23.70 PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-in Pressure 947.30 PSI @ (depth) 4270 w / Clock No. 23934

(E) Second Initial Flow Pressure 30.80 PSI AK1 Recorder No. _____ Range _____

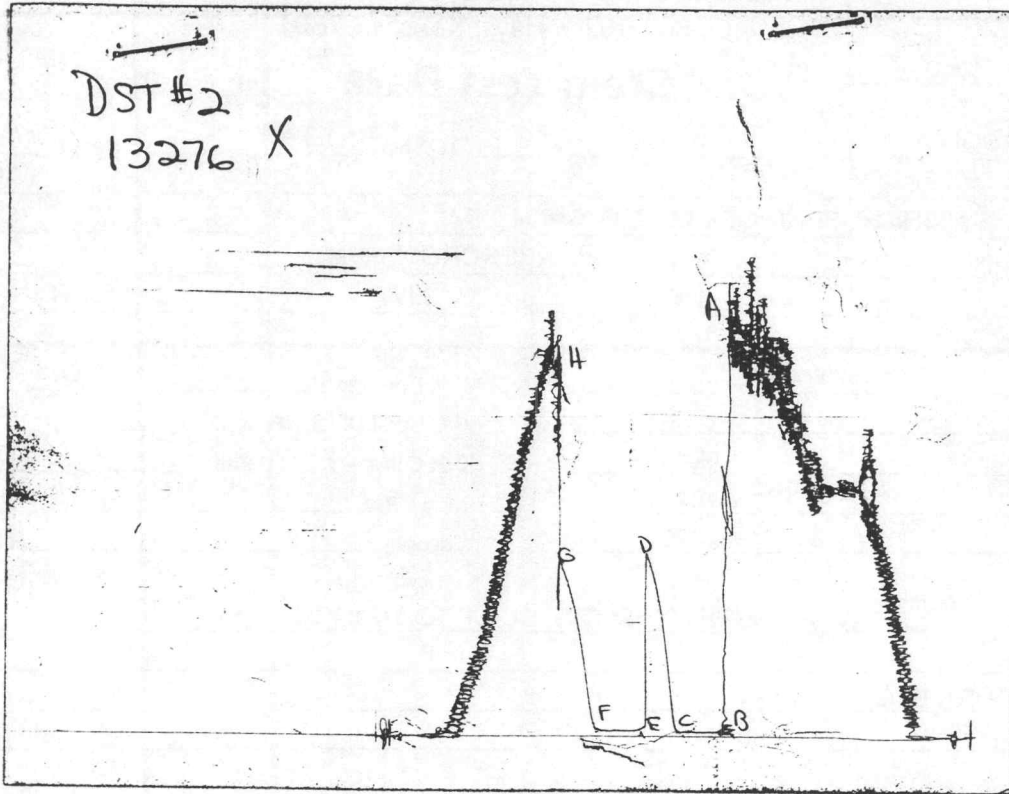
(F) Second Final Flow Pressure 30.80 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 908.20 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 1926.60 PSI Initial Shut-in 30 Final Shut-in 30

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CHART PAGE



This is an actual photograph of an AK1 recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2083	2002.69
(B) FIRST INITIAL FLOW PRESSURE	19	23.70
(C) FIRST FINAL FLOW PRESSURE	19	23.70
(D) INITIAL CLOSED-IN PRESSURE	940	947.30
(E) SECOND INITIAL FLOW PRESSURE	19	30.80
(F) SECOND FINAL FLOW PRESSURE	19	30.80
(G) FINAL CLOSED-IN PRESSURE	890	908.20
(H) FINAL HYDROSTATIC MUD	2004	1926.60

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Drill-Stem Test Data

Well Name NICKELSON #1 Test No. 3 Date 1/20/95
Company PETEX, INC. Zone LANS/KC 'K'
Address 1610 E. SUNSHINE, SPRINGFIELD, MO 65804 Elevation 3081
Co. Rep./Geo. TOM FUNK Cont. ABERCROMBIE #8 Est. Ft. of Pay 6
Location: Sec. 9 Twp. 11S Rge. 32W Co. LOGAN State KS

Interval Tested 4275-4296 Drill Pipe Size 4.5" XH
Anchor Length 21 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4270 Drill Collar - 2.25 Ft. Run 317
Bottom Packer Depth 4275 Mud Wt. 9.1 lb/Gal.
Total Depth 4296 Viscosity 60 Filtrate 8.8

Tool Open @ 4:00PM Initial Blow WEAK SURFACE BLOW INCREASED TO 5 INCHES. INITIAL SHUT
IN: BLED OFF BLOW - NO RETURN.

Final Blow WEAK RETURN SLOWLY BUILT TO 6 INCHES. FINAL SHUT
IN: BLED OFF BLOW - NO RETURN.

Recovery - Total Feet 90 Flush Tool? NO

Rec. 180 Feet of GAS IN PIPE

Rec. 30 Feet of SLIGHT GASSY MUD CUT OIL. 10% GAS; 50% OIL; 40% MUD.

Rec. 60 Feet of SLIGHT GASSY OIL CUT MUD. 10% GAS; 10% OIL; 20% EMMULSION; 60% MUD.

Rec. _____ Feet of _____

Rec. _____ Feet of _____

BHT 86 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 5000 ppm System

(A) Initial Hydrostatic Mud 2123.20 PSI AK1 Recorder No. 13276 Range 4000

(B) First Initial Flow Pressure 46.80 PSI @ (depth) 4286 w / Clock No. 23832

(C) First Final Flow Pressure 40.60 PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-in Pressure 1032.10 PSI @ (depth) 4291 w / Clock No. 23934

(E) Second Initial Flow Pressure 65.50 PSI AK1 Recorder No. _____ Range _____

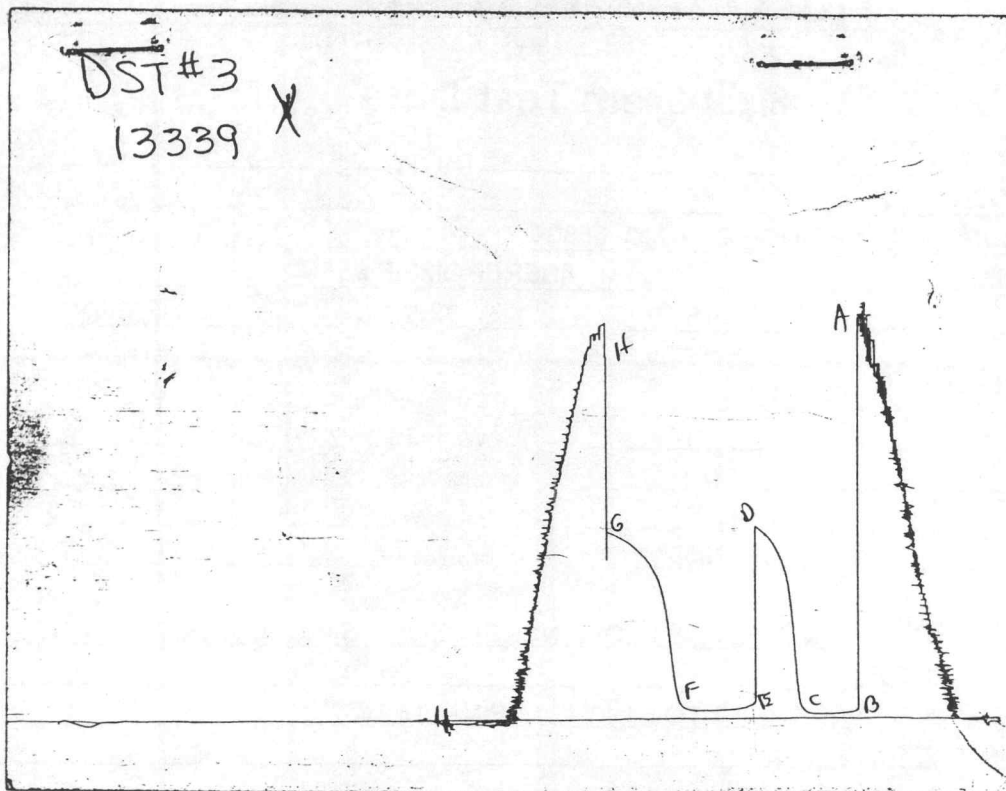
(F) Second Final Flow Pressure 57.20 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1009.00 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 2103.20 PSI Initial Shut-in 45 Final Shut-in 60

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CHART PAGE



This is an actual photograph of an AK1 recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2123	2123.20
(B) FIRST INITIAL FLOW PRESSURE	31	46.80
(C) FIRST FINAL FLOW PRESSURE	31	40.60
(D) INITIAL CLOSED-IN PRESSURE	1020	1032.10
(E) SECOND INITIAL FLOW PRESSURE	52	65.50
(F) SECOND FINAL FLOW PRESSURE	52	57.20
(G) FINAL CLOSED-IN PRESSURE	1000	1009.00
(H) FINAL HYDROSTATIC MUD	2093	2103.20

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Drill-Stem Test Data

Well Name NICKELSON #1 Test No. 4 Date 1/22/95
Company PETEX, INC. Zone JOHNSON
Address 1610 E. SUNSHINE, SPRINGFIELD, MO 65804 Elevation 3081
Co. Rep./Geo. TOM FUNK Cont. ABERCROMBIE #8 Est. Ft. of Pay _____
Location: Sec. 9 Twp. 11S Rge. 32W Co. LOGAN State KS

Interval Tested 4546-4603 Drill Pipe Size 4.5" XH
Anchor Length 57 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4541 Drill Collar - 2.25 Ft. Run 317
Bottom Packer Depth 4546 Mud Wt. 9.4 lb/Gal.
Total Depth 4603 Viscosity 51 Filtrate 7.2

Tool Open @ 3:30AM Initial Blow WEAK SURFACE BLOW, DIED IN 22 MINUTES.

Final Blow NO RETURN BLOW.

Recovery - Total Feet 6 Flush Tool? NO

Rec. 1 Feet of FREE OIL.
Rec. 5 Feet of DRILLING MUD.
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 115 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 1800 ppm System

(A) Initial Hydrostatic Mud 2205.10 PSI AK1 Recorder No. 13276 Range 4000

(B) First Initial Flow Pressure 31.80 PSI @ (depth) 4593 w / Clock No. 23832

(C) First Final Flow Pressure 31.80 PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-in Pressure 163.30 PSI @ (depth) 4598 w / Clock No. 23934

(E) Second Initial Flow Pressure 33.90 PSI AK1 Recorder No. _____ Range _____

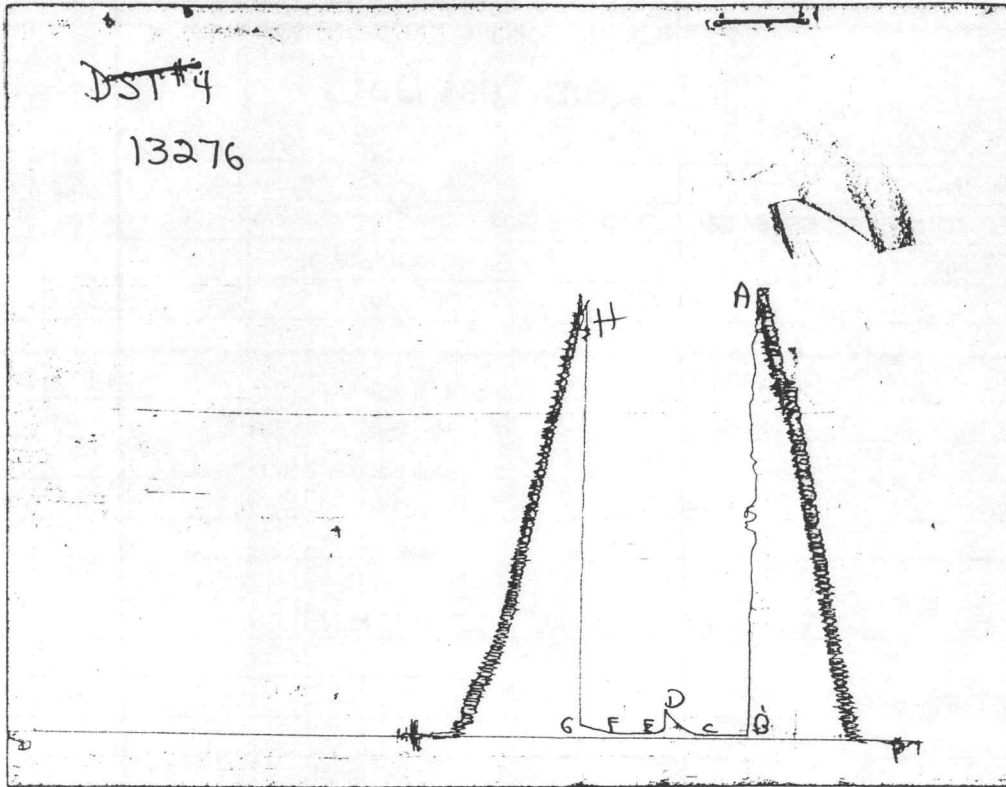
(F) Second Final Flow Pressure 33.90 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 73.30 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 2127.10 PSI Initial Shut-in 30 Final Shut-in 30

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CHART PAGE



This is an actual photograph of an AK1 recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2229	2205.10
(B) FIRST INITIAL FLOW PRESSURE	19	31.80
(C) FIRST FINAL FLOW PRESSURE	19	31.80
(D) INITIAL CLOSED-IN PRESSURE	150	163.30
(E) SECOND INITIAL FLOW PRESSURE	19	33.90
(F) SECOND FINAL FLOW PRESSURE	19	33.90
(G) FINAL CLOSED-IN PRESSURE	60	73.30
(H) FINAL HYDROSTATIC MUD	2209	2127.10