TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name PFENNINGER #1 Test No. 1 Date 6/23/92

Company PRODUCTION DRILLING, INC. Zone LANSING

Address P.O. BOX 680 HAYS KS 67601-0680 Elevation 2973 K.B.

Co. Rep./Geo. JOHN ROSE Cont. MURFIN RIG #20 Est. Ft. of Pay

Location: Sec. 30 Twp. 18S Rge. 31W Co. SCOTT State KS

Interval Tested 3996-4020 Drill Pipe Size 4.5 XH

Anchor Length 24 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 3991 Drill Collar -- 2.25 Ft. Run 180

Bottom Packer Depth 3996 Mud Wt. 9 lb/Gal.

Total Depth 4020 Viscosity 42 Filtrate 12.4

Tool Open @ 4:13 AM Initial Blow WEAK SURFACE SLOWLY BUILT TO 9"

ISI:BLED OFF BLOW-NO RETURN

Final Blow WEAK SURFACE RETURN BUILT TO 5"

FSI:BLED OFF BLOW- NO RETURN

Recovery - Total Feet 540 Flush Tool? NO

Rec. 540 Feet of SALT WATER

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 123 °F Gravity °API @ °F Corrected Gravity °API

RW 0.39 @ 68 °F Chlorides 18000 ppm Recovery Chlorides 2000 ppm System

(A) Initial Hydrostatic Mud 1935.6 PSI AK1 Recorder No. 13309 Range 4700

(B) First Initial Flow Pressure 77.8 PSI @ (depth) 4010 w / Clock No. 25814

(C) First Final Flow Pressure 126.9 PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-in Pressure 1043.2 PSI @ (depth) 4015 w / Clock No. 27566

(E) Second Initial Flow Pressure 209.4 PSI AK1 Recorder No. Range

(F) Second Final Flow Pressure 230.4 PSI @ (depth) w / Clock No.

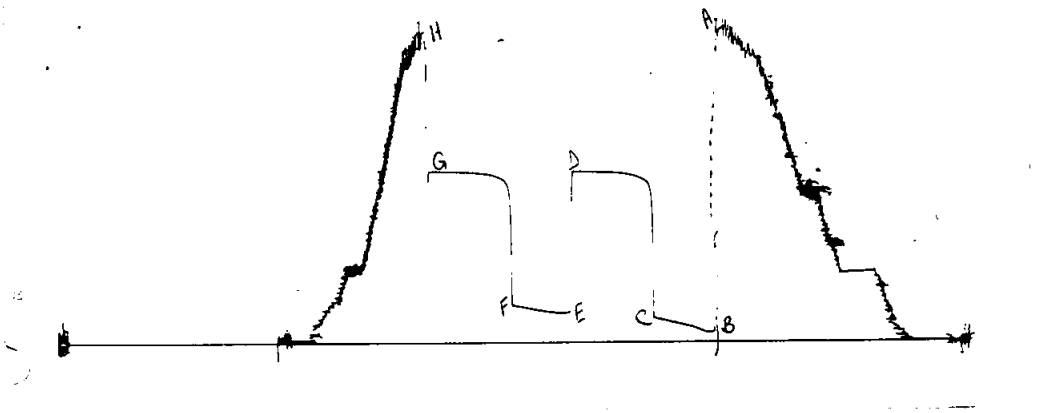
(G) Final Shut-in Pressure 1039.6 PSI Initial Opening 45 Final Flow 45

(H) Final Hydrostatic Mud 1888.9 PSI Initial Shut-in 60 Final Shut-in 60

Our Representative ROD STEINBRINK

CHART PAGE

DST #1
13309



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1932	1935.6
(B) FIRST INITIAL FLOW PRESSURE	72	77.8
(C) FIRST FINAL FLOW PRESSURE	124	126.9
(D) INITIAL CLOSED-IN PRESSURE	1040	1043.2
(E) SECOND INITIAL FLOW PRESSURE	207	209.4
(F) SECOND FINAL FLOW PRESSURE	228	230.4
(G) FINAL CLOSED-IN PRESSURE	1040	1039.6
(H) FINAL HYDROSTATIC MUD	1882	1888.9

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No. 5010

Well Name & No. Pfenninger #1 Test No. 1 Date 6-23-92

Company Production Drilling, Inc. Zone Tested Lansing.

Address P.O. Box 680 Hays, KS. 67601-0680 Elevation 2973 (KB)

Co. Rep./Geo. John Rose Cont. Murfin #20 Est. Ft. of Pay

Location: Sec. 30 Twp. 18 S Rge. 31 W Co. Scott State KS.

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

Interval Tested 3996 - 4020 Drill Pipe Size 4½" XH

Anchor Length 24' Top Choke — 1" Bottom Choke — ¾"

Top Packer Depth 3991 - [redacted] Hole Size — 7⅞" Rubber Size — 6¾"

Bottom Packer Depth 3996 Wt. Pipe I.D. — 2.7 Ft. Run —

Total Depth 4020 Drill Collar — 2.25 Ft. Run 180'

Mud Wt. 9.0 lb/gal. Viscosity 42 Filtrate 12.4

Tool Open @ 4:13 am. Initial Blow Weak surface slowly built to 9".

ISI: Bled off blow - no return

Final Blow Weak surface return built to 5".

FSI: Bled off blow - no return.

Recovery — Total Feet 540' Feet of Gas in Pipe — Flush Tool? No

Rec.	Feet Of		%gas	%oil	%water	%mud
Rec.	Feet Of		%gas	%oil	%water	%mud
Rec. 540'	Feet Of	Salt Water	%gas	%oil	%water	%mud
Rec.	Feet Of		%gas	%oil	%water	%mud
Rec.	Feet Of		%gas	%oil	%water	%mud

BHT 123° °F Gravity ____ °API @ ____ °F Corrected Gravity ____ °API

RW .39 @ 68° °F Chlorides 18,000 ppm Recovery Chlorides 2,000 ppm System

(A) Initial Hydrostatic Mud	1932 PSI	AK1 Recorder No.	13309	Range	4700
(B) First Initial Flow Pressure	72 PSI	@ (depth)	4010	w/Clock No.	25814
(C) First Final Flow Pressure	124 PSI	AK1 Recorder No.	13339	Range	4025
(D) Initial Shut-In Pressure	1040 PSI	@ (depth)	4015	w/Clock No.	27566
(E) Second Initial Flow Pressure	207 PSI	AK1 Recorder No.	—	Range	—
(F) Second Final Flow Pressure	228 PSI	@ (depth)	—	w/Clock No.	—
(G) Final Shut-In Pressure	1040 PSI	Initial Opening	45	Test	
(H) Final Hydrostatic Mud	1882 PSI	Initial Shut-In	60	Jars	
		Final Flow	45	Safety Joint	X
		Final Shut-In	60	Straddle	
				Circ. Sub	X n/c
				Sampler	
				Extra Packer	
				Other	
				TOTAL PRICE $	

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By John R. Rose

Our Representative Rod Steinbrink

Printcraft Printers - Hays, KS

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name PFENNINGER #1 Test No. 2 Date 6/23/92

Company PRODUCTION DRILLING, INC. Zone LANSING "E"

Address P.O. BOX 680 HAYS KS 67601-0680 Elevation 2973 K.B.

Co. Rep./Geo. JOHN ROSE Cont. MURFIN RIG #20 Est. Ft. of Pay 5

Location: Sec. 30 Twp. 18S Rge. 31W Co. SCOTT State KS

Interval Tested 4216-4232 Drill Pipe Size 4.5 XH

Anchor Length 16 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 4211 Drill Collar – 2.25 Ft. Run 180

Bottom Packer Depth 4216 Mud Wt. 9.1 lb/Gal.

Total Depth 4232 Viscosity 48 Filtrate 9.6

Tool Open @ 7:07 PM Initial Blow STRONG BLOW OFF BOTTOM IN 1 MINUTE

ISI:BLED OFF BLOW-NO RETURN

Final Blow FAIR TO STRONG RETURN OFF BOTTOM IN 12 MINUTES

FSI:BLED OFF BLOW- NO RETURN

Recovery - Total Feet 2050 Flush Tool? NO

Rec. 2050 Feet of SALT WATER

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 136 °F Gravity °API @ °F Corrected Gravity °API

RW 0.37 @ 77 °F Chlorides 16000 ppm Recovery Chlorides 2000 ppm System

(A) Initial Hydrostatic Mud 1946.3 PSI AK1 Recorder No. 13309 Range 4700

(B) First Initial Flow Pressure 201.3 PSI @ (depth) 4222 w / Clock No. 25814

(C) First Final Flow Pressure 733.6 PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-in Pressure 974.5 PSI @ (depth) 4227 w / Clock No. 27566

(E) Second Initial Flow Pressure 811.2 PSI AK1 Recorder No. Range

(F) Second Final Flow Pressure 912.3 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 973.4 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 1894.5 PSI Initial Shut-in 45 Final Shut-in 45

Our Representative ROD STEINBRINK

CHART PAGE

DST#2
13309



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1942	1946.3
(B) FIRST INITIAL FLOW PRESSURE	197	201.3
(C) FIRST FINAL FLOW PRESSURE	729	733.6
(D) INITIAL CLOSED-IN PRESSURE	969	974.5
(E) SECOND INITIAL FLOW PRESSURE	809	811.2
(F) SECOND FINAL FLOW PRESSURE	909	912.3
(G) FINAL CLOSED-IN PRESSURE	969	973.4
(H) FINAL HYDROSTATIC MUD	1892	1894.5

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No. 5011

Well Name & No. Pfenninger #1 Test No. 2 Date 6-23-92

Company Production Drilling, Inc. Zone Tested Lans. 'E'

Address P.O. Box 680 Hays, KS. 67601-0680 Elevation 2973 (KB)

Co. Rep./Geo. John Rose Cont. MurFin #20 Est. Ft. of Pay 5'

Location: Sec. 30 Twp. 18 S Rge. 31 W Co. Scott State KS.

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

Interval Tested 4216 - 4232 Drill Pipe Size 4½" XH

Anchor Length 16' Top Choke — 1" ____ Bottom Choke — ¾" ____

Top Packer Depth 4211 Hole Size — 7⅞" ____ Rubber Size — 6¾" ____

Bottom Packer Depth 4216 Wt. Pipe I.D. — 2.7 Ft. Run —

Total Depth 4232 Drill Collar — 2.25 Ft. Run 180'

Mud Wt. 9.1 lb/gal. Viscosity 48 Filtrate 9.6

Tool Open @ 7:07 pm. Initial Blow Strong blow off bottom in 1 min.

ISI: Bled off blow - no return.

Final Blow Fair to strong return off bottom in 12 mins.

FSI: Bled off blow - no return.

Recovery — Total Feet 2050' Feet of Gas in Pipe — Flush Tool? No

Rec.	Feet Of		%gas	%oil	%water	%mud
Rec.	Feet Of		%gas	%oil	%water	%mud
Rec. 2050'	Feet Of	Salt Water	%gas	%oil	%water	%mud
Rec.	Feet Of		%gas	%oil	%water	%mud
Rec.	Feet Of		%gas	%oil	%water	%mud

BHT 136° °F Gravity ____ °API @ ____ °F Corrected Gravity ____ °API

RW .37 @ 77 °F Chlorides 16,000 ppm Recovery Chlorides 2,000 ppm System

(A) Initial Hydrostatic Mud	1942 PSI	AK1 Recorder No.	13309	Range	4700
(B) First Initial Flow Pressure	197 PSI	@ (depth)	4222	w/Clock No.	25814
(C) First Final Flow Pressure	729 PSI	AK1 Recorder No.	13339	Range	4025
(D) Initial Shut-In Pressure	969 PSI	@ (depth)	4227	w/Clock No.	27566
(E) Second Initial Flow Pressure	809 PSI	AK1 Recorder No.	—	Range	—
(F) Second Final Flow Pressure	909 PSI	@ (depth)	—	w/Clock No.	—
(G) Final Shut-In Pressure	969 PSI	Initial Opening	30	Test	
(H) Final Hydrostatic Mud	1892 PSI	Initial Shut-In	45	Jars	
		Final Flow	30	Safety Joint	X
		Final Shut-In	45	Straddle	
				Circ. Sub	X 35.00
				Sampler	
				Extra Packer	
				Other	

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By John R. Musil

Our Representative Rod Steinbrink

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name PFENNINGER #1 Test No. 3 Date 6/25/92

Company PRODUCTION DRILLING, INC. Zone B/KC/MARMATO

Address P.O. BOX 680 HAYS KS 67601-0680 Elevation 2973 K.B.

Co. Rep./Geo. JOHN ROSE Cont. MURFIN RIG #20 Est. Ft. of Pay 1

Location: Sec. 30 Twp. 18S Rge. 31W Co. SCOTT State KS

Interval Tested 4206-4340 Drill Pipe Size 4.5 XH

Anchor Length 134 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 4201 Drill Collar – 2.25 Ft. Run 180

Bottom Packer Depth 4206 Mud Wt. 9.2 lb/Gal.

Total Depth 4340 Viscosity 47 Filtrate 9.6

Tool Open @ 7:27 AM Initial Blow SUFACE BLOW DIED IN 10 MINUTES
ISI:NO BLOW

Final Blow OFF BOTTOM IN 2 MINUTES(1/4" VALVE WAS CLOSED)OPENED
& BLOWING OFF BOTTOM IN 2 MINS-FSI:BLED OFF BLOW-NO RETURN

Recovery - Total Feet 1800 Flush Tool? NO

Rec. 250 Feet of WATERY MUD W/ SHOW OF OIL THROUGHOUT-30%WTR/70%MUD

Rec. 1550 Feet of SULFER WATER

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 131 °F Gravity °API @ °F Corrected Gravity °API

RW 0.38 @ 69 °F Chlorides 15000 ppm Recovery Chlorides 2000 ppm System

(A) Initial Hydrostatic Mud 2154.6 PSI AK1 Recorder No. 13309 Range 4700

(B) First Initial Flow Pressure 152.3 PSI @ (depth) 4330 w / Clock No. 25814

(C) First Final Flow Pressure 502.3 PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-in Pressure 1110.2 PSI @ (depth) 4335 w / Clock No. 27566

(E) Second Initial Flow Pressure 580.3 PSI AK1 Recorder No. Range

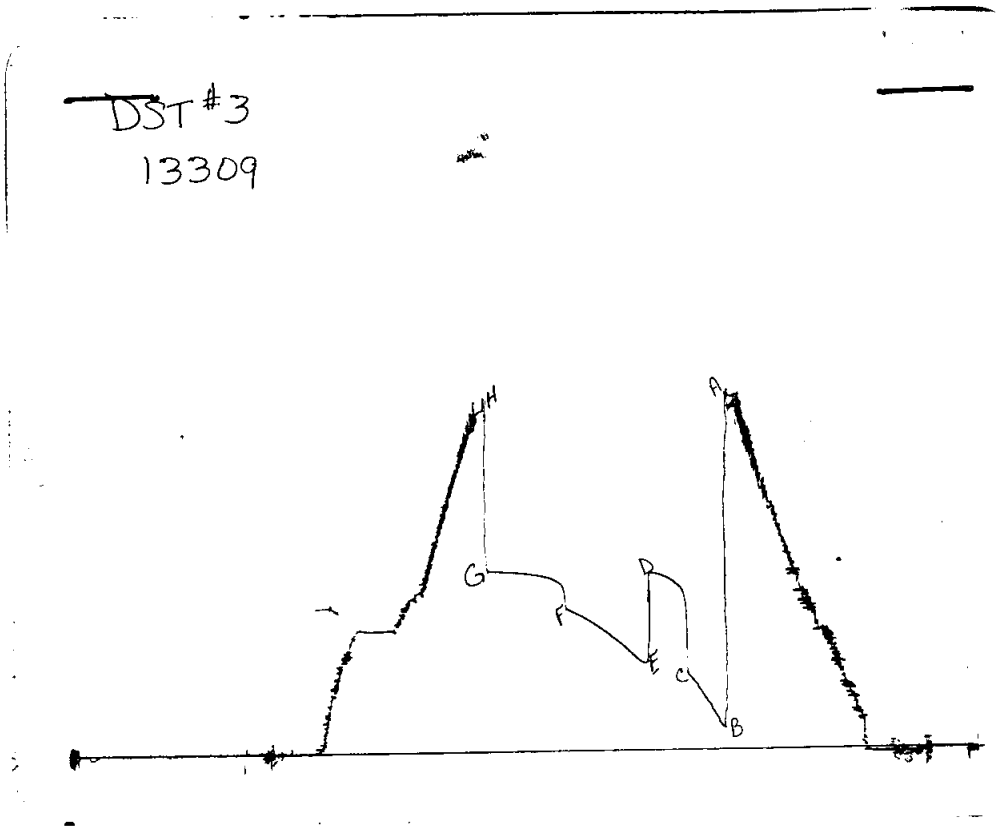
(F) Second Final Flow Pressure 887.9 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 1108.1 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2107.9 PSI Initial Shut-in 30 Final Shut-in 60

Our Representative ROD STEINBRINK

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2150	2154.6
(B) FIRST INITIAL FLOW PRESSURE	155	152.3
(C) FIRST FINAL FLOW PRESSURE	499	502.3
(D) INITIAL CLOSED-IN PRESSURE	1110	1110.2
(E) SECOND INITIAL FLOW PRESSURE	579	580.3
(F) SECOND FINAL FLOW PRESSURE	889	887.9
(G) FINAL CLOSED-IN PRESSURE	1110	1108.1
(H) FINAL HYDROSTATIC MUD	2100	2107.9

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 5012

Well Name & No. Pfenninger #1 Test No. 3 Date 6-25-92

Company Production Drilling, Inc. Zone Tested B/KC / Marmaton

Address P.O. Box 680 Hays, KS. 67601-0680 Elevation 2973 (KB)

Co. Rep./Geo. John Rose Cont. Murfin #20 Est. Ft. of Pay 1

Location: Sec. 30 Twp. 18 S Rge. 31 W Co. Scott State KS

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

Interval Tested 4206 - 4340 Drill Pipe Size 4½" XH

Anchor Length 134' Top Choke — 1" ____ Bottom Choke — ¾" ____

Top Packer Depth 4201 Hole Size — 7⅞" ____ Rubber Size — 6¾" ____

Bottom Packer Depth 4206 Wt. Pipe I.D. — 2.7 Ft. Run —

Total Depth 4340 Drill Collar — 2.25 Ft. Run 180'

Mud Wt. 9.2 lb/gal. Viscosity 47 Filtrate 9.6

Tool Open @ 7:27 am Initial Blow Surface blow died in 10 mins.

ISI: No blow

Final Blow No return - (¼" valve was closed) Opened and blowing off bottom in 2 mins. FSI: Bled off blow - no return.

Recovery — Total Feet 1800' Feet of Gas in Pipe — Flush Tool? No

Rec.	Feet Of		%gas	%oil	%water	%mud
Rec. 250'	Feet Of	Watery Mud	— %gas	1 %oil	30 %water	70 %mud
Rec.	Feet Of	w/show oil throughout	%gas	%oil	%water	%mud
Rec. 1550'	Feet Of	Sulfer Water	— %gas	%oil	100 %water	— %mud
Rec.	Feet Of		%gas	%oil	%water	%mud

BHT 131° °F Gravity ____ °API @ ____ °F Corrected Gravity ____ °API

RW .38 @ 69° °F Chlorides 15,000 ppm Recovery Chlorides 2,000 ppm System

(A) Initial Hydrostatic Mud 2150 PSI AK1 Recorder No. 13309 Range 4700

(B) First Initial Flow Pressure 155 PSI @ (depth) 4330 w/Clock No. 25814

(C) First Final Flow Pressure 499 PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-In Pressure 1110 PSI @ (depth) 4335 w/Clock No. 27566

(E) Second Initial Flow Pressure 579 PSI AK1 Recorder No. — Range —

(F) Second Final Flow Pressure 889 PSI @ (depth) — w/Clock No. —

(G) Final Shut-In Pressure 1110 PSI Initial Opening 30 Test ____

(H) Final Hydrostatic Mud 2100 PSI Initial Shut-In 30 Jars ____

Final Flow 60 Safety Joint X

Final Shut-In 60 Straddle ____

Circ. Sub X 35.00

Sampler ____

Extra Packer ____

Other ____

TOTAL PRICE $ ____

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Approved By John R. Rose

Our Representative Rod Steinbrink

Printcraft Printers - Hays, KS

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name PFENNINGER #1 Test No. 4 Date 6/26/92

Company PRODUCTION DRILLING, INC. Zone MARM/PAWN

Address P.O. BOX 680 HAYS KS 67601-0680 Elevation 2973 K.B.

Co. Rep./Geo. JOHN ROSE Cont. MURFIN RIG #20 Est. Ft. of Pay

Location: Sec. 30 Twp. 18S Rge. 31W Co. SCOTT State KS

Interval Tested 4285-4400 Drill Pipe Size 4.5 XH

Anchor Length 115 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 4280 Drill Collar – 2.25 Ft. Run 240

Bottom Packer Depth 4285 Mud Wt. 9.3 lb/Gal.

Total Depth 4400 Viscosity 44 Filtrate 10.8

Tool Open @ 1:45 AM Initial Blow WEAK SURFACE BLOW BUILT TO 4"

ISI:BLED OFF BLOW-NO RETURN

Final Blow SURFACE RETURN STAYING STEADY THROUGHOUT

Recovery - Total Feet 250 Flush Tool? NO

Rec. 250 Feet of WATERY MUD W/ SHOW OF OIL -50%WTR/50%MUD

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 128 °F Gravity °API @ °F Corrected Gravity °API

RW 0.57 @ 57 °F Chlorides 14000 ppm Recovery Chlorides 2000 ppm System

(A) Initial Hydrostatic Mud 2116.9 PSI AK1 Recorder No. 13309 Range 4700

(B) First Initial Flow Pressure 50.9 PSI @ (depth) 4360 w / Clock No. 25814

(C) First Final Flow Pressure 87.4 PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-in Pressure 928.6 PSI @ (depth) 4395 w / Clock No. 27566

(E) Second Initial Flow Pressure 115.6 PSI AK1 Recorder No. Range

(F) Second Final Flow Pressure 127.3 PSI @ (depth) w / Clock No.

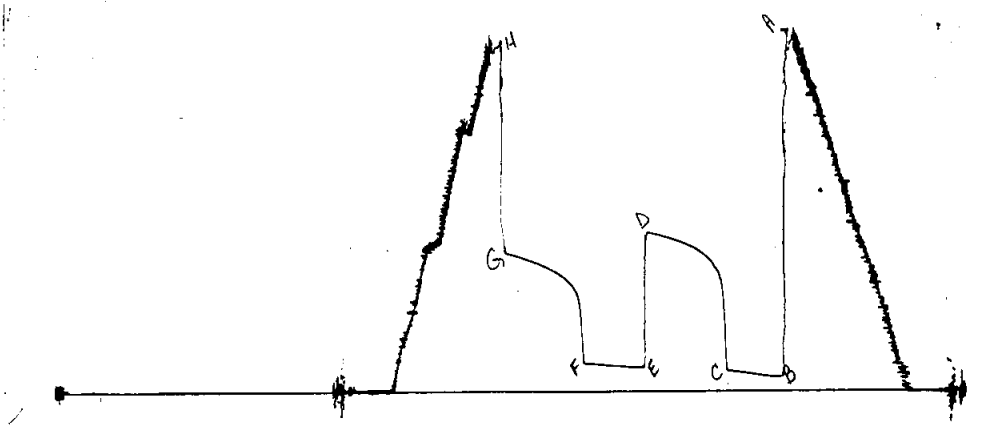
(G) Final Shut-in Pressure 810.2 PSI Initial Opening 45 Final Flow 45

(H) Final Hydrostatic Mud 2070.6 PSI Initial Shut-in 60 Final Shut-in 60

Our Representative ROD STEINBRINK

CHART PAGE

DST #4
13309



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2113	2116.9
(B) FIRST INITIAL FLOW PRESSURE	52	50.9
(C) FIRST FINAL FLOW PRESSURE	83	87.4
(D) INITIAL CLOSED-IN PRESSURE	929	928.6
(E) SECOND INITIAL FLOW PRESSURE	114	115.6
(F) SECOND FINAL FLOW PRESSURE	124	127.3
(G) FINAL CLOSED-IN PRESSURE	809	810.2
(H) FINAL HYDROSTATIC MUD	2073	2070.6

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 5013

Well Name & No. Pfenninger #1 Test No. 4 Date 6-26-92

Company Production Drilling, Inc. Zone Tested Marmaton/Pawnee

Address P.O. Box 680 Hays, KS. 67601-0680 Elevation 2973 (KB)

Co. Rep./Geo. John Rose Cont. Murfin #20 Est. Ft. of Pay

Location: Sec. 30 Twp. 18 S Rge. 31 W Co. Scott State KS.

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

Interval Tested 4285 - 4400 Drill Pipe Size 4½" XH

Anchor Length 115' Top Choke — 1" Bottom Choke — ¾"

Top Packer Depth 4280 Hole Size — 7⅞" Rubber Size — 6¾"

Bottom Packer Depth 4285 Wt. Pipe I.D. — 2.7 Ft. Run —

Total Depth 4400 Drill Collar — 2.25 Ft. Run 240'

Mud Wt. 9.3 lb/gal. Viscosity 44 Filtrate 10.8

Tool Open @ 1:45 am Initial Blow Weak surface blow built to 4".

ISI: Bled off blow - no return.

Final Blow Surface return staying steady throughout.

Recovery — Total Feet 250' Feet of Gas in Pipe Flush Tool? No

Rec.	Feet Of	%gas	%oil	%water	%mud
Rec. 250'	Feet Of Watery Mud	%gas	%oil	50 %water	50 %mud
Rec.	Feet Of w/ Show of Oil	%gas	%oil	%water	%mud
Rec.	Feet Of in Tool	%gas	%oil	%water	%mud
Rec.	Feet Of	%gas	%oil	%water	%mud

BHT 128° °F Gravity °API @ °F Corrected Gravity °API

RW .57 @ 57° °F Chlorides 14,000 ppm Recovery Chlorides 2,000 ppm System

(A) Initial Hydrostatic Mud	2113 PSI	AK1 Recorder No.	13309	Range	4700
(B) First Initial Flow Pressure	52 PSI	@ (depth)	4360	w/Clock No.	25814
(C) First Final Flow Pressure	83 PSI	AK1 Recorder No.	13339	Range	4025
(D) Initial Shut-In Pressure	929 PSI	@ (depth)	4395	w/Clock No.	27566
(E) Second Initial Flow Pressure	114 PSI	AK1 Recorder No.	—	Range	—
(F) Second Final Flow Pressure	124 PSI	@ (depth)	—	w/Clock No.	—
(G) Final Shut-In Pressure	809 PSI	Initial Opening	45	Test	
(H) Final Hydrostatic Mud	2073 PSI	Initial Shut-In	60	Jars	
		Final Flow	45	Safety Joint	X
		Final Shut-In	60	Straddle	
				Circ. Sub	X n/c
				Sampler	
				Extra Packer	
				Other	
				TOTAL PRICE $	

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Approved By

Our Representative Rod Steinbrink

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