TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name TEETER #2 Test No. 1 Date 3/26/95

Company RITCHIE EXPLORATION INC. Zone TORONTO/LANS

Address 125 N. MARKET, SUITE 1000, WICHITA, KS 67202 Elevation 2814

Co. Rep./Geo. JEFF CHRISTIAN Cont. DUKE #4 Est. Ft. of Pay

Location: Sec. 34 Twp. 13S Rge. 30W Co. GOVE State KS

Interval Tested 3804-3860 Drill Pipe Size 4.5" XH

Anchor Length 56 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 3799 Drill Collar – 2.25 Ft. Run

Bottom Packer Depth 3804 Mud Wt. 9.6 lb/Gal.

Total Depth 3860 Viscosity 49 Filtrate 9.2

Tool Open @ 1:35PM Initial Blow GOOD SURGE AT OPEN WEAK BLOW DIED 1 MINUTE.

Final Blow NO RETURN BLOW.

Recovery - Total Feet 10 Flush Tool? NO

Rec. 10 Feet of OIL SPOTTED DRILLING MUD. TRACE OIL; 100% MUD.

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

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

RW @ °F Chlorides ppm Recovery Chlorides 1100 ppm System

(A) Initial Hydrostatic Mud 1957.90 PSI AK1 Recorder No. 13423 Range 5450

(B) First Initial Flow Pressure 43.70 PSI @ (depth) 3824 w / Clock No. 23832

(C) First Final Flow Pressure 43.70 PSI AK1 Recorder No. 13339 Range 4000

(D) Initial Shut-in Pressure 433.40 PSI @ (depth) 3855 w / Clock No. 17640

(E) Second Initial Flow Pressure 42.60 PSI AK1 Recorder No. Range

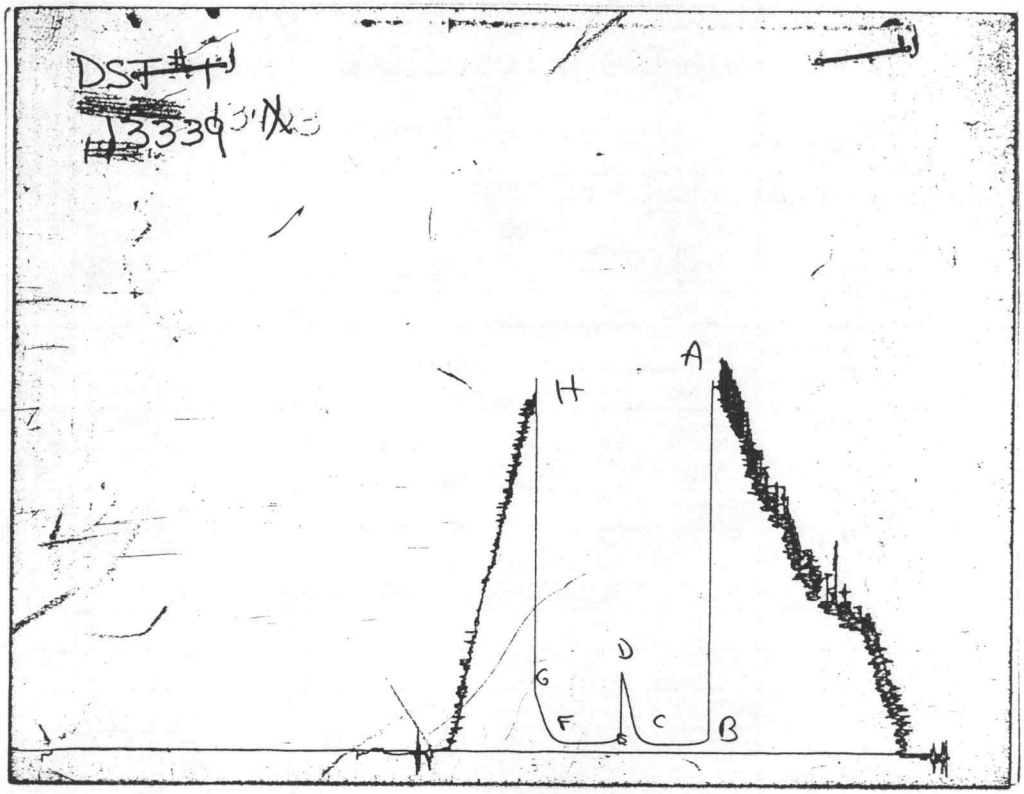
(F) Second Final Flow Pressure 42.60 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 319.20 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 1922.80 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative ROD STEINBRINK

CHART PAGE



This is an actual photograph of an AK1 recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1992	1957.90
(B) FIRST INITIAL FLOW PRESSURE	20	43.70
(C) FIRST FINAL FLOW PRESSURE	20	43.70
(D) INITIAL CLOSED-IN PRESSURE	395	433.40
(E) SECOND INITIAL FLOW PRESSURE	31	42.60
(F) SECOND FINAL FLOW PRESSURE	31	42.60
(G) FINAL CLOSED-IN PRESSURE	291	319.20
(H) FINAL HYDROSTATIC MUD	1862	1922.80

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 7762

Well Name & No. Teeter #2 Test No. 1 Date 3-26-95

Company Ritchie Exploration, Inc. Zone Tested Toronto / Lans 'A'

Address 125 N. Market Ste. 1000 Wichita, KS. 67202 Elevation 2814 (KB)

Co. Rep./Geo. Jeff Christian Cont. Duke #4 Est. Ft. of Pay

Location: Sec. 34 Twp. 13S Rge. 30W Co. Gove State KS.

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

Interval Tested 3804 - 3860 Drill Pipe Size 4½" XH

Anchor Length 56' Top Choke — 1" ____ Bottom Choke — ¾" ____

Top Packer Depth 3799 Hole Size — 7⅞" ____ Rubber Size — 6¾" ____

Bottom Packer Depth 3804 Wt. Pipe I.D. — 2.7 Ft. Run —

Total Depth 3860 Drill Collar — 2.25 Ft. Run —

Mud Wt. 9.6 lb/gal. Viscosity 49 Filtrate 9.2

Tool Open @ 1:35 pm Initial Blow Good surge @ open weak blow died 1 min.

Final Blow no return blow.

Recovery — Total Feet 10' Feet of Gas in Pipe — Flush Tool? No

Rec.	Feet Of		%gas	%oil	%water	%mud
Rec.	Feet Of		%gas	%oil	%water	%mud
Rec. 10'	Feet Of	Oil Spotted Drlg Mud	%gas Trc.	%oil	%water 100	%mud
Rec.	Feet Of		%gas	%oil	%water	%mud
Rec.	Feet Of		%gas	%oil	%water	%mud

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

RW ____ @ ____ °F Chlorides ____ ppm Recovery Chlorides 1,100 ppm System

(A) Initial Hydrostatic Mud	1992 PSI	AK1 Recorder No.	13423	Range	4000
(B) First Initial Flow Pressure	20 PSI	@ (depth)	3824	w/Clock No.	29832
(C) First Final Flow Pressure	20 PSI	AK1 Recorder No.	13339	Range	4025
(D) Initial Shut-In Pressure	395 PSI	@ (depth)	3855	w/Clock No.	17640
(E) Second Initial Flow Pressure	31 PSI	AK1 Recorder No.	—	Range	—
(F) Second Final Flow Pressure	31 PSI	@ (depth)	—	w/Clock No.	—
(G) Final Shut-In Pressure	291 PSI	Initial Opening	30	Test	600
(H) Final Hydrostatic Mud	1862 PSI	Initial Shut-In	30	Jars	
		Final Flow	30	Safety Joint	
		Final Shut-In	30	Straddle	
				Circ. Sub	X N/C
				Sampler	
				Extra Packer	
				Other	
				TOTAL PRICE $	600

Approved By Jeff Christian

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 TEETER #2 Test No. 2 Date 3/27/95

Company RITCHIE EXPLORATION, INC Zone KANSAS CITY D

Address 125 N MARKET #1000 WICHITA KS 67202 Elevation 2814

Co. Rep./Geo. JEFF CHRISTIAN Cont. DUKE #4 Est. Ft. of Pay 6

Location: Sec. 34 Twp. 13S Rge. 30W Co. GOVE State KS

Interval Tested 3862-3897 Drill Pipe Size 4.5" XH

Anchor Length 35 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 3857 Drill Collar – 2.25 Ft. Run

Bottom Packer Depth 3862 Mud Wt. 9.6 lb/Gal.

Total Depth 3897 Viscosity 49 Filtrate 9.2

Tool Open @ 2:15AM Initial Blow WEAK TO FAIR BLOW BUILT TO 8 INCHES.

INITIAL SHUT IN: BLED OFF BLOW - NO RETURN.

Final Blow SURFACE RETURN - SLOWLY BUILT TO 7 INCHES.

FINAL SHUT IN: BLED OFF BLOW - NO RETURN.

Recovery - Total Feet 160 Flush Tool? NO

Rec. 40 Feet of FREE OIL

Rec. 60 Feet of GASSY WTR MUD CUT OIL. 10% GAS; 45% OIL; 15% WTR; 30% MUD.

Rec. 60 Feet of SLIGHT GASY OIL WTR CUT MUD. 5% GAS;20% OIL;15% WTR;60% MUD.

Rec. Feet of

Rec. Feet of

BHT 128 °F Gravity 27.6 °API @ 66 °F Corrected Gravity 27 °API

RW @ °F Chlorides ppm Recovery Chlorides 1100 ppm System

(A) Initial Hydrostatic Mud 1990.90 PSI AK1 Recorder No. 13423 Range 5450

(B) First Initial Flow Pressure 75.90 PSI @ (depth) 3887 w / Clock No. 23832

(C) First Final Flow Pressure 75.90 PSI AK1 Recorder No. 13339 Range 4000

(D) Initial Shut-in Pressure 1110.40 PSI @ (depth) 3892 w / Clock No. 17640

(E) Second Initial Flow Pressure 108.90 PSI AK1 Recorder No. Range

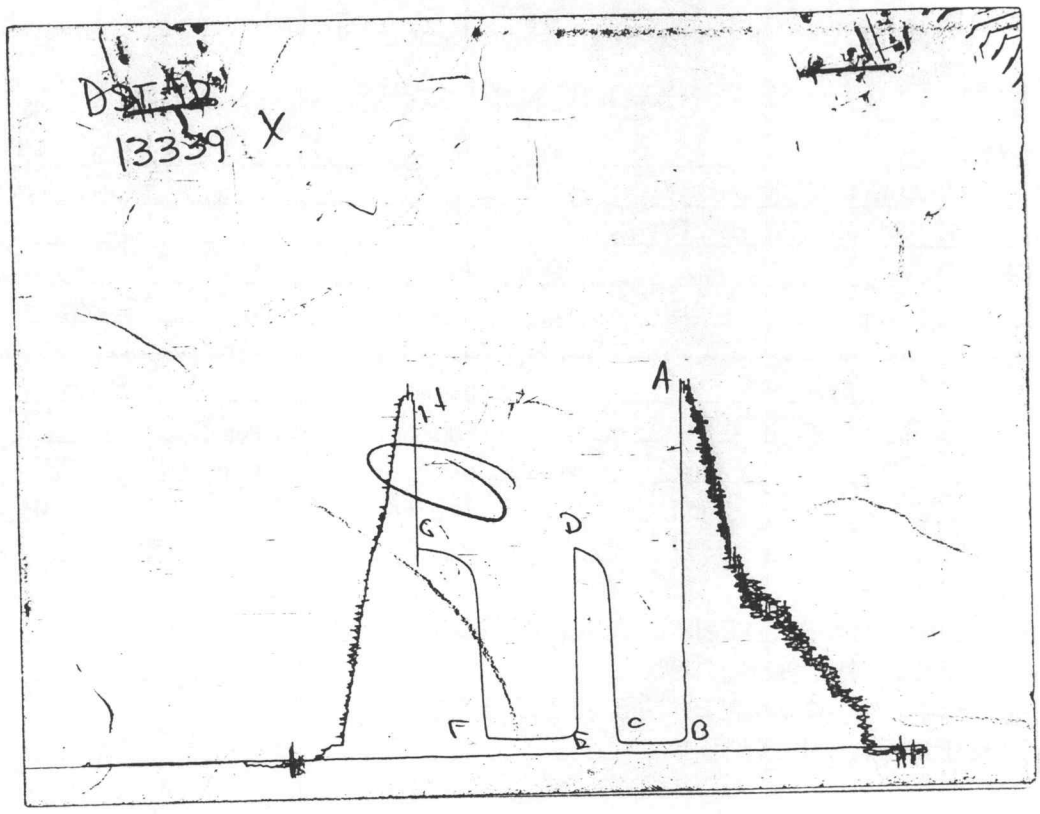
(F) Second Final Flow Pressure 113.30 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 1124.40 PSI Initial Opening 45 Final Flow 30

(H) Final Hydrostatic Mud 1934.80 PSI Initial Shut-in 60 Final Shut-in 45

Our Representative ROD STEINBRINK

CHART PAGE



This is an actual photograph of an AK1 recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1932	1990.90
(B) FIRST INITIAL FLOW PRESSURE	41	75.90
(C) FIRST FINAL FLOW PRESSURE	52	75.90
(D) INITIAL CLOSED-IN PRESSURE	1090	1110.40
(E) SECOND INITIAL FLOW PRESSURE	83	108.90
(F) SECOND FINAL FLOW PRESSURE	104	113.30
	1105.4 @ 30 MINUTES	
(G) FINAL CLOSED-IN PRESSURE	1110	1124.40
(H) FINAL HYDROSTATIC MUD	1892	1934.80

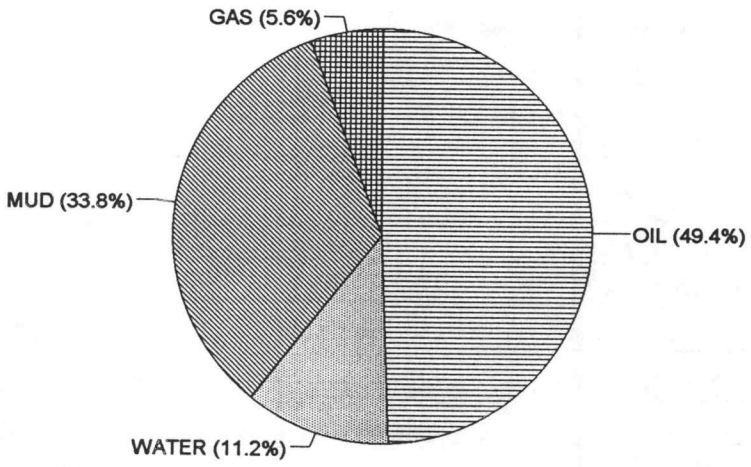
CALCULATED RECOVERY ANALYSI DRILL PIPE

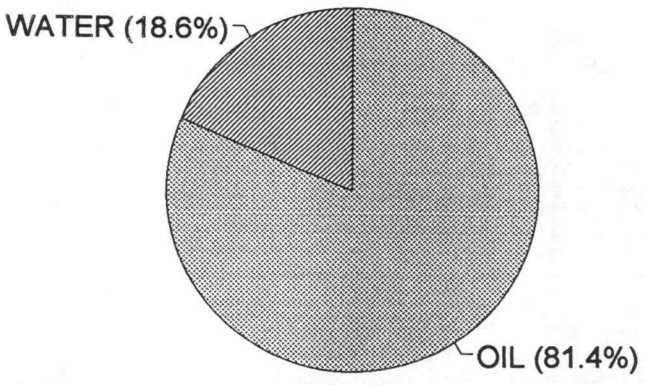
DST # 2 TICKET # 7763

****

SAMPLE #	TOTAL FEET	GAS %	GAS FEET	OIL %	OIL FEET	WATER %	WATER FEET	MUD %	MUD FEET
1	40		0	100	40		0		0
2	60	10	6	45	27	15	9	30	18
3	60	5	3	20	12	15	9	60	36
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
TOTAL	160	5.625	9	49.375	79	11.25	18	33.75	54

			HRS OPEN	BBL/DAY
BBL OIL=	1.12338	*	1.25	21.57
BBL WATER=	0.25596	*		4.91
BBL MUD=	0.76788			
BBL GAS	0.12798			





TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No. 07763

Well Name & No. Teeter #2 Test No. 2 Date 3-27-95

Company Ritchie Exploration, Inc. Zone Tested Kans City 'D'

Address 125 N. Market Ste. 1000 Wichita, KS. 67202 Elevation 2814 (KB)

Co. Rep./Geo. Jeff Christian Cont. Duke #4 Est. Ft. of Pay 6'

Location: Sec. 34 Twp. 13S Rge. 30W Co. Gove State KS.

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

Interval Tested 3862 - 3897 Drill Pipe Size 4½" XH

Anchor Length 35' Top Choke — 1" ____ Bottom Choke — ¾" ____

Top Packer Depth 3857 Hole Size — 7⅞" ____ Rubber Size — 6¾" ____

Bottom Packer Depth 3862 Wt. Pipe I.D. — 2.7 Ft. Run —

Total Depth 3897 Drill Collar — 2.25 Ft. Run —

Mud Wt. 9.6 lb/gal. Viscosity 49 Filtrate 9.2

Tool Open @ 2:15 am Initial Blow Weak to fair blow built to 8".

ISI: Bled off blow - no return.

Final Blow Surface return slowly built to 7".

FSI: Bled off blow - no return.

Recovery — Total Feet 160' Feet of Gas in Pipe — Flush Tool? No

Rec.	Feet Of		%gas	%oil	%water	%mud		
Rec. 40'	Feet Of	Free Oil	%gas	%oil	%water	%mud		
Rec. 60'	Feet Of	SGOWCM	5 %gas	20 %oil	15 %water	60 %mud		
Rec. 60'	Feet Of	GWMCO	10 %gas	45 %oil	15 %water	30 %mud		
Rec.	Feet Of		%gas	%oil	%water	%mud		

BHT 128° °F Gravity 27.6 °API @ 66 °F Corrected Gravity 27 °API

RW ____ @ ____ °F Chlorides ____ ppm Recovery Chlorides 1,100 ppm System

(A) Initial Hydrostatic Mud	1932 PSI	AK1 Recorder No.	13423	Range	5450 ~~4000~~
(B) First Initial Flow Pressure	41 PSI	@ (depth)	3887	w/Clock No.	23832
(C) First Final Flow Pressure	52 PSI	AK1 Recorder No.	13339	Range	~~5450~~ ~~4095~~ 4000
(D) Initial Shut-In Pressure	1090 PSI	@ (depth)	3892	w/Clock No.	17640
(E) Second Initial Flow Pressure	83 PSI	AK1 Recorder No.	—	Range	—
(F) Second Final Flow Pressure	104 PSI	@ (depth)	—	w/Clock No.	—
(G) Final Shut-In Pressure	1110 PSI	Initial Opening	45	Test	600
(H) Final Hydrostatic Mud	1892 PSI	Initial Shut-In	~~45~~ 30	Jars	
		Final Flow	60 ~~45~~	Safety Joint	
		Final Shut-In	45	Straddle	
				Circ. Sub	X N/C
				Sampler	
				Extra Packer	
				Other	
				TOTAL PRICE $	600

Approved By Jeff Christian

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 TEETER #2 Test No. 3 Date 3/28/95

Company RITCHIE EXPLORATION INC. Zone KC H-L

Address 125 N. MARKET, SUITE 1000, WICHITA, KS 67202 Elevation 2814

Co. Rep./Geo. JEFF CHRISTIAN Cont. DUKE #4 Est. Ft. of Pay

Location: Sec. 34 Twp. 13S Rge. 30W Co. GOVE State KS

Interval Tested 3981-4145 Drill Pipe Size 4.5" XH

Anchor Length 164 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 3976 Drill Collar – 2.25 Ft. Run

Bottom Packer Depth 3981 Mud Wt. 9.5 lb/Gal.

Total Depth 4145 Viscosity 49 Filtrate 8.4

Tool Open @ 9:05AM Initial Blow SURFACE BLOW BUILT TO 2-1/2 INCHES.

ISI: NO RETURN.

Final Blow VERY WEAK RETURN STEADY THROUGHOUT AT 1/2 INCH.

FSI: NO RETURN.

Recovery - Total Feet 70 Flush Tool? NO

Rec. 70 Feet of OIL CUT MUD. 5% OIL; 95% MUD.

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

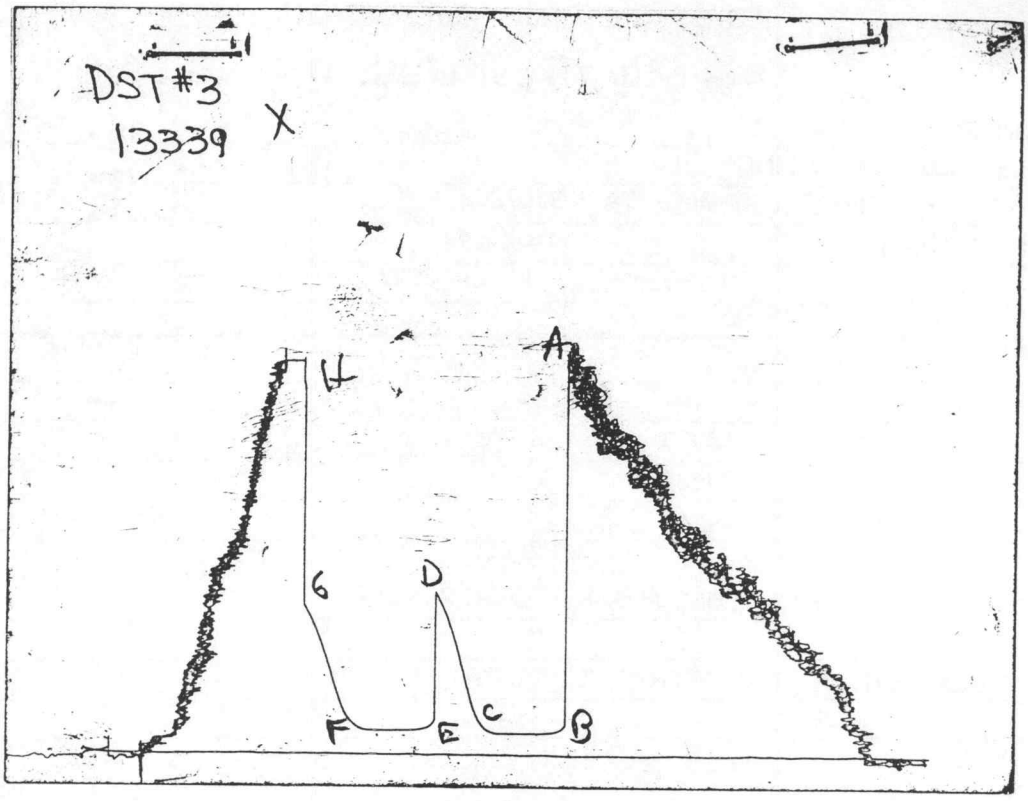
BHT 125 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 1200 ppm System

(A) Initial Hydrostatic Mud	2130.20 PSI	AK1 Recorder No.	13339	Range	4025
(B) First Initial Flow Pressure	124.80 PSI	@ (depth)	4016	w / Clock No.	17640
(C) First Final Flow Pressure	124.80 PSI	AK1 Recorder No.	13423	Range	5450
(D) Initial Shut-in Pressure	870.80 PSI	@ (depth)	4140	w / Clock No.	23832
(E) Second Initial Flow Pressure	133.10 PSI	AK1 Recorder No.		Range	
(F) Second Final Flow Pressure	133.10 PSI	@ (depth)		w / Clock No.	
(G) Final Shut-in Pressure	794.60 PSI	Initial Opening	30	Final Flow	30
(H) Final Hydrostatic Mud	2084.10 PSI	Initial Shut-in	30	Final Shut-in	30

Our Representative ROD STEINBRINK

CHART PAGE



This is an actual photograph of an AK1 recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2103	2130.20
(B) FIRST INITIAL FLOW PRESSURE	104	124.80
(C) FIRST FINAL FLOW PRESSURE	104	124.80
(D) INITIAL CLOSED-IN PRESSURE	839	870.80
(E) SECOND INITIAL FLOW PRESSURE	104	133.10
(F) SECOND FINAL FLOW PRESSURE	104	133.10
(G) FINAL CLOSED-IN PRESSURE	769	794.60
(H) FINAL HYDROSTATIC MUD	2073	2084.10

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 7764

Well Name & No. Teeter #2 Test No. 3 Date 3-28-95

Company Ritchie Exploration, Inc. Zone Tested KC. H thru L

Address 125 N. Market Ste. 1000 Wichita, KS. 67202 Elevation 2814 (KB)

Co. Rep./Geo. Jeff Christian Cont. Duke #4 Est. Ft. of Pay

Location: Sec. 34 Twp. 13S Rge. 30W Co. Gove State KS.

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

Interval Tested 3981 - 4145 Drill Pipe Size 4½" XH

Anchor Length 164' Top Choke — 1" Bottom Choke — ¾"

Top Packer Depth 3976 Hole Size — 7⅞" Rubber Size — 6¾"

Bottom Packer Depth 3981 Wt. Pipe I.D. — 2.7 Ft. Run —

Total Depth 4145 Drill Collar — 2.25 Ft. Run —

Mud Wt. 9.5 lb / gal. Viscosity 49 Filtrate 8.4

Tool Open @ 9:05 am Initial Blow Surface blow built to 2½"

ISI: no return.

Final Blow Very weak return steady thruout @ ½".

FSI: no return.

Recovery — Total Feet 70' Feet of Gas in Pipe — Flush Tool? No

Rec.		Feet Of		%gas	%oil	%water	%mud	
Rec.		Feet Of		%gas	%oil	%water	%mud	
Rec.	70'	Feet of	OCM	%gas	5 %oil	— %water	95 %mud	
Rec.		Feet Of		%gas	%oil	%water	%mud	
Rec.		Feet Of		%gas	%oil	%water	%mud	

BHT 125° °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 1,200 ppm System

(A) Initial Hydrostatic Mud	2103 PSI	AK1 Recorder No.	13339	Range	4025
(B) First Initial Flow Pressure	104 PSI	@ (depth)	4016	w/Clock No.	17640
(C) First Final Flow Pressure	104 PSI	AK1 Recorder No.	13823	Range	5450
(D) Initial Shut-In Pressure	839 PSI	@ (depth)	4140	w/Clock No.	23832
(E) Second Initial Flow Pressure	104 PSI	AK1 Recorder No.	—	Range	—
(F) Second Final Flow Pressure	104 PSI	@ (depth)	—	w/Clock No.	—
(G) Final Shut-In Pressure	769 PSI	Initial Opening	45	Test	600
(H) Final Hydrostatic Mud	2073 PSI	Initial Shut-In	45	Jars	
		Final Flow	45	Safety Joint	
		Final Shut-In	45	Straddle	
				Circ. Sub	X N/C
				Sampler	
				Extra Packer	
				Other	
				TOTAL PRICE $	600

Approved By Jeff Christian

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 TEETER #2 Test No. 4 Date 3/29/95

Company RITCHIE EXPLORATION, INC Zone FT. SCOTT-PAWN

Address 125 N MARKET #1000 WICHITA KS 67202 Elevation 2814

Co. Rep./Geo. JEFF CHRISTIAN Cont. DUKE #4 Est. Ft. of Pay

Location: Sec. 34 Twp. 13S Rge. 30W Co. GOVE State KS

Interval Tested 4245-4346 Drill Pipe Size 4.5" XH

Anchor Length 101 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 4240 Drill Collar – 2.25 Ft. Run

Bottom Packer Depth 4245 Mud Wt. 9.6 lb/Gal.

Total Depth 4346 Viscosity 50 Filtrate 8.8

Tool Open @ 9:30AM Initial Blow WEAK SURFACE BLOW DIED IN 5 MINUTES.

Final Blow WEAK SURGE AT OPEN - NO RETURN BLOW.

Recovery - Total Feet 20 Flush Tool? NO

Rec. 20 Feet of DRILLING MUD

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 121 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 1300 ppm System

(A) Initial Hydrostatic Mud 2172.13 PSI AK1 Recorder No. 2341 Range ELECTR

(B) First Initial Flow Pressure 18.88 PSI @ (depth) 4250 w / Clock No.

(C) First Final Flow Pressure 20.97 PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-in Pressure 802.84 PSI @ (depth) 4341 w / Clock No. 17640

(E) Second Initial Flow Pressure 22.74 PSI AK1 Recorder No. Range

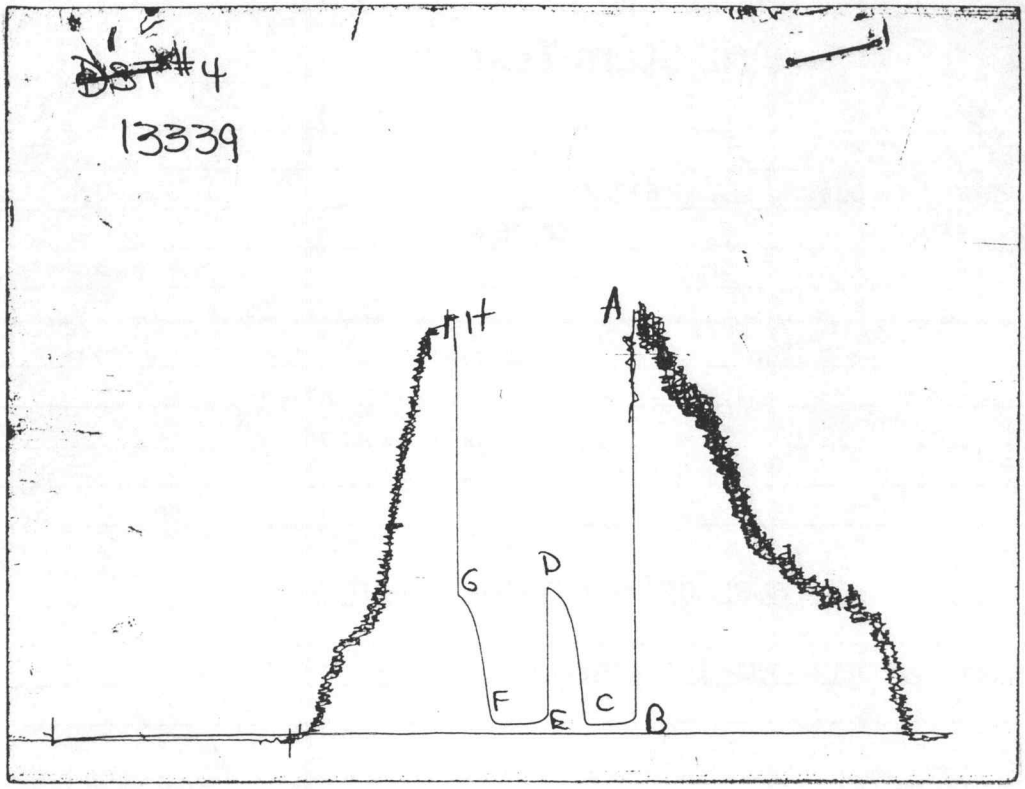
(F) Second Final Flow Pressure 34.82 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 758.78 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 2038.60 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative ROD STEINBRINK

CHART PAGE



This is an actual photograph of an AK1 recorder chart

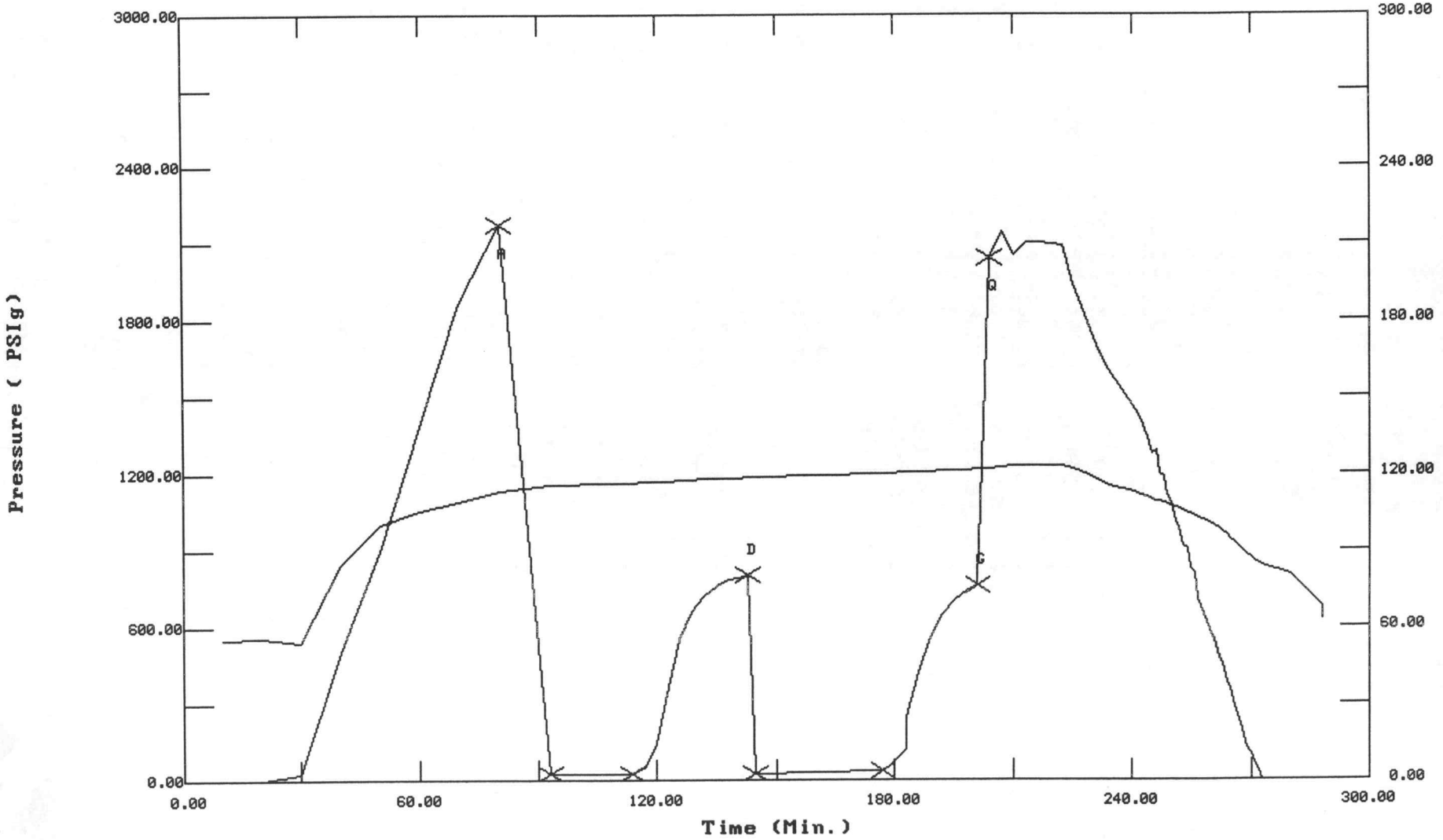
	FIELD READING	AK1 READING	ALPINE READING
(A) INITIAL HYDROSTATIC MUD	2172	2203.4	2172.13
(B) FIRST INITIAL FLOW PRESSURE	18	83.2	18.88
(C) FIRST FINAL FLOW PRESSURE	20	83.2	20.97
(D) INITIAL CLOSED-IN PRESSURE	802	811.6	802.84
(E) SECOND INITIAL FLOW PRESSURE	22	82.2	22.74
(F) SECOND FINAL FLOW PRESSURE	34	82.2	34.82
(G) FINAL CLOSED-IN PRESSURE	758	768.6	758.78
(H) FINAL HYDROSTATIC MUD	2038	2093.1	2038.60

TEST HISTORY

Ritchie Exploration Teeter #2 DST #4

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2172.13
B:	0.00	18.88
C:	21.00	20.97
D:	29.00	802.84
E:	0.00	22.74
F:	32.00	34.82
G:	24.00	758.78
Q:	0.00	2038.60



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Ritchie Exploration Teeter #2 DST #4

DATE: 03/29/95 TIME: 08:25:41

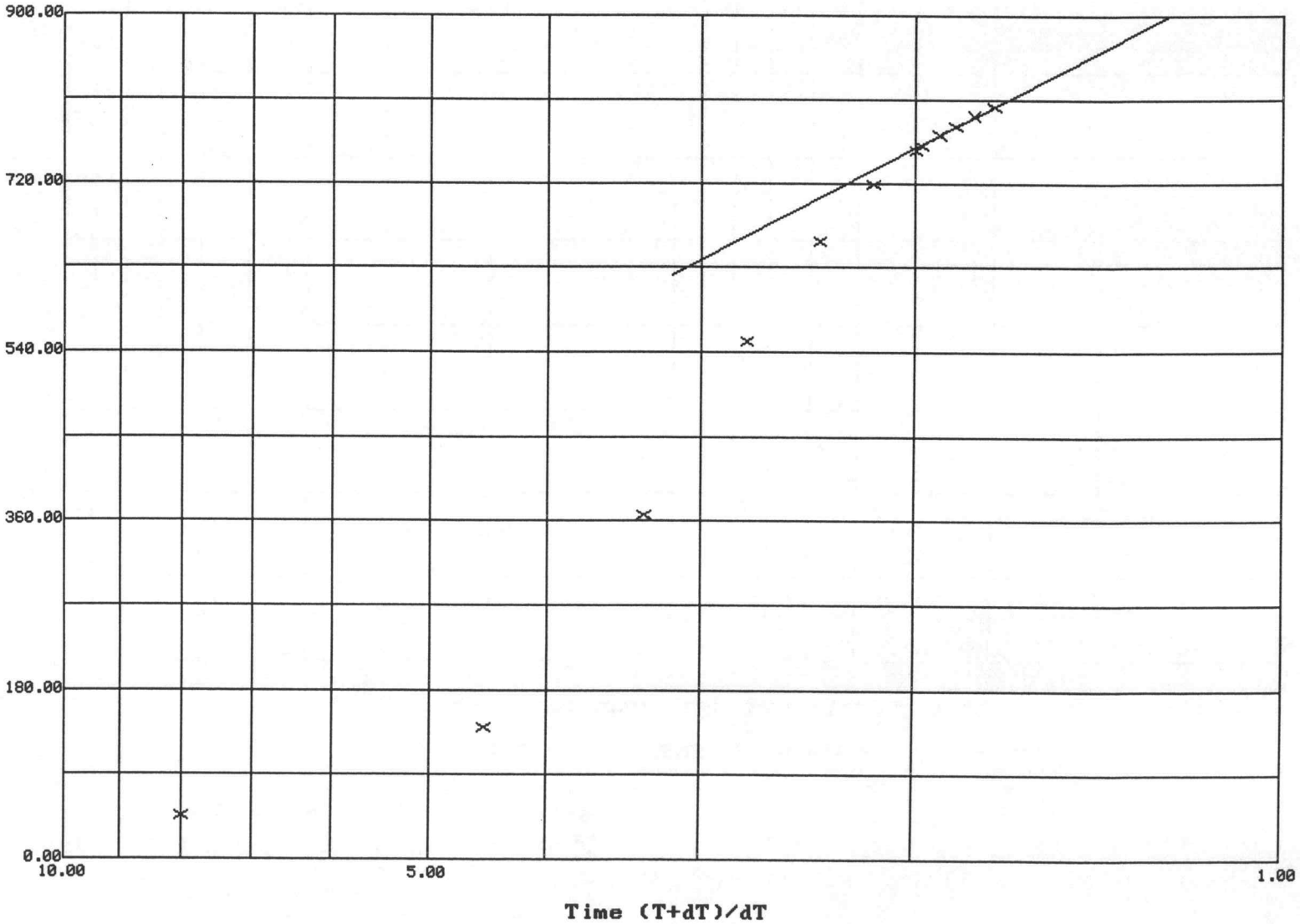
	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	80.00	2172.1	0.0	113.36		
****** Start Flow 1	0.00	18.9	0.0	115.70		
	3.00	19.2	0.3	115.88		
	6.00	19.7	0.8	115.88		
	9.00	20.1	1.2	116.06		
	12.00	20.3	1.4	116.24		
	15.00	20.5	1.6	116.42		
	18.00	21.0	2.1	116.42		
****** End Flow 1	21.00	21.0	2.1	116.60		
****** Start Shutin 1	0.00	21.0	0.0	116.60	0.0000	0.000
	3.00	46.6	25.6	116.78	8.0000	0.002
	6.00	140.4	119.4	116.96	4.5000	0.020
	9.00	366.3	345.3	117.14	3.3333	0.134
	12.00	551.8	530.8	117.50	2.7500	0.305
	15.00	657.2	636.3	117.68	2.4000	0.432
	18.00	718.2	697.2	117.86	2.1667	0.516
	21.00	754.8	733.8	118.04	2.0000	0.570
	21.50	760.0	739.0	118.04	1.9767	0.578
	23.00	771.8	750.8	118.22	1.9130	0.596
	24.50	782.0	761.1	118.22	1.8571	0.612
	26.50	792.7	771.7	118.40	1.7925	0.628
****** End Shut-in 1	29.00	802.8	781.9	118.58	1.7241	0.645
****** Start Flow 2	0.00	22.7	0.0	118.58		
****** End Flow 2	32.00	34.8	12.1	120.02		
****** Start Shutin 2	0.00	34.8	0.0	120.02	0.0000	0.001
	1.50	45.3	10.5	120.20	36.3333	0.002
	6.00	116.6	81.7	120.38	9.8333	0.014
	6.00	244.4	209.6	120.38	9.8333	0.060
	9.00	420.7	385.9	120.56	6.8889	0.177
	12.00	559.0	524.2	120.74	5.4167	0.313
	15.00	646.3	611.5	120.92	4.5333	0.418
	18.00	700.8	666.0	121.10	3.9444	0.491
	21.00	735.5	700.7	121.28	3.5238	0.541
****** End Shut-in 2	24.00	758.8	724.0	121.46	3.2083	0.576
****** Final Hydro.	204.00	2038.6	0.0	121.64		

Horner Plot: shut-in #1

Ritchie Exploration Teeter #2 DST #4

Slope: 685.8105 PSIg/cycle

Ext. Pressure: 965.7512 PSIg

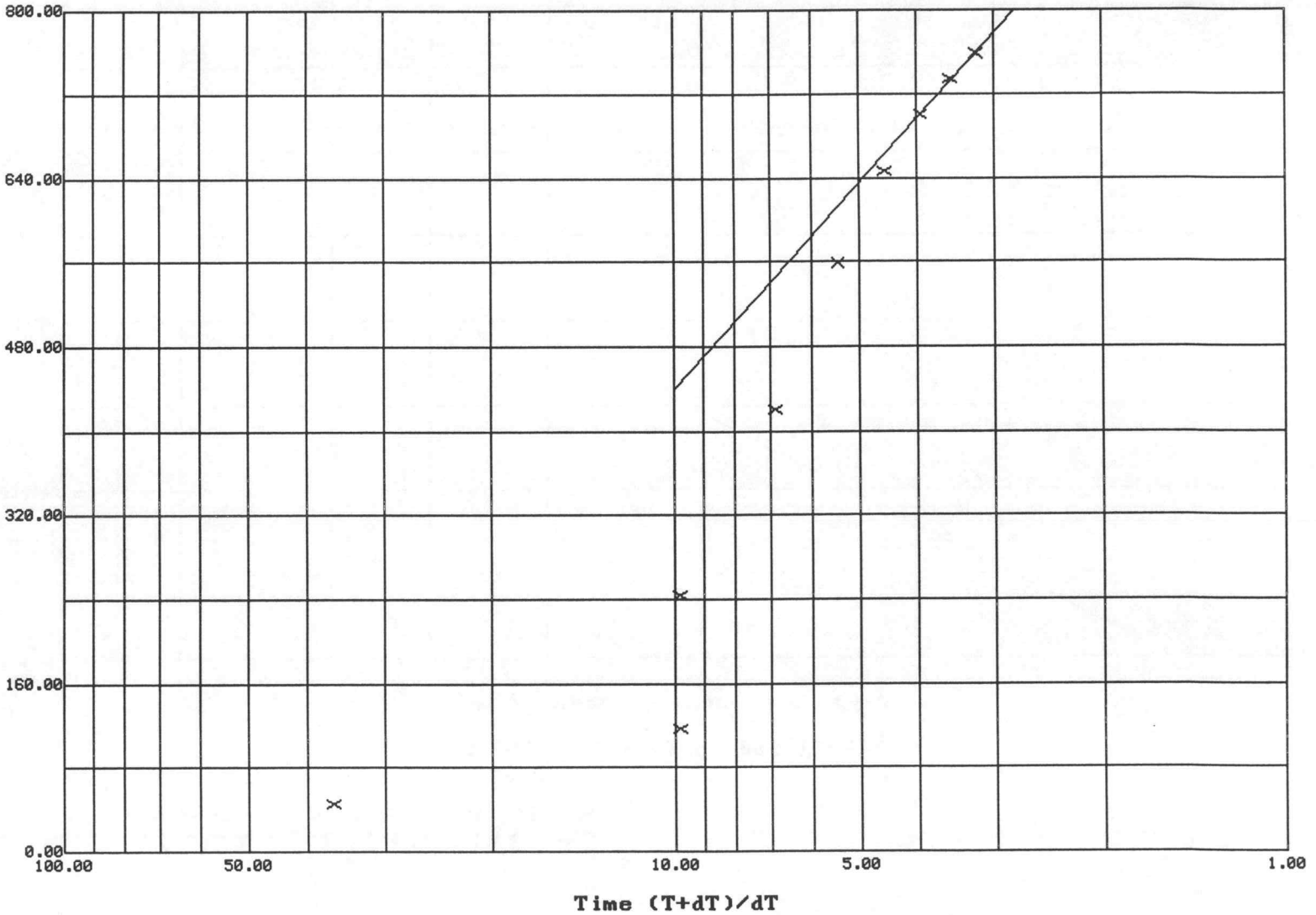


Horner Plot: shut-in #2

Ritchie Exploration Teeter #2 DST #4

Slope: 648.5695 PSIg/cycle

Ext. Pressure: 1088.2592 PSIg



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 7765

Well Name & No. Teeter #2 Test No. 4 Date 3-29-95

Company Ritchie Exploration, Inc. Zone Tested Ft. Scott - Pawnee

Address 125 N. Market Ste. 1000 Wichita, KS. 67202 Elevation 2814 (KB)

Co. Rep./Geo. Jeff Christian Cont. Duke #4 Est. Ft. of Pay

Location: Sec. 34 Twp. 13S Rge. 30W Co. Gove State KS

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

Interval Tested 4245 - 4346 Drill Pipe Size 4½" XH

Anchor Length 101' Top Choke — 1" Bottom Choke — ¾"

Top Packer Depth 4240 Hole Size — 7⅞" Rubber Size — 6¾"

Bottom Packer Depth 4245 Wt. Pipe I.D. — 2.7 Ft. Run —

Total Depth 4346 Drill Collar — 2.25 Ft. Run —

Mud Wt. 9.6 lb/gal. Viscosity 50 Filtrate 8.8

Tool Open @ 9:50 am Initial Blow Weak surface blow died in 5 mins

Final Blow Weak surge @ open - no return blow.

Recovery — Total Feet 20' Feet of Gas in Pipe — Flush Tool? No

Rec.	Feet Of		%gas	%oil	%water	%mud
Rec.	Feet Of		%gas	%oil	%water	%mud
Rec. 20'	Feet Of	Drlg. Mud	%gas	%oil	%water	%mud
Rec.	Feet Of		%gas	%oil	%water	%mud
Rec.	Feet Of		%gas	%oil	%water	%mud

BHT 121° °F Gravity ____ °API @ ____ °F Corrected Gravity ____ °API

RW ____ @ ____ °F Chlorides ____ ppm Recovery Chlorides 1,300 ppm System

(A) Initial Hydrostatic Mud	2172 PSI	AK1 Recorder No.	2341	Range	Electronic
(B) First Initial Flow Pressure	18 PSI	@ (depth)	4250	w/Clock No.	
(C) First Final Flow Pressure	20 PSI	AK1 Recorder No.	13339	Range	4025
(D) Initial Shut-In Pressure	802 PSI	@ (depth)	4341	w/Clock No.	17640
(E) Second Initial Flow Pressure	22 PSI	AK1 Recorder No.	—	Range	—
(F) Second Final Flow Pressure	34 PSI	@ (depth)	—	w/Clock No.	—
(G) Final Shut-In Pressure	758 PSI	Initial Opening	30	Test	600
(H) Final Hydrostatic Mud	2038 PSI	Initial Shut-In	30	Jars	
		Final Flow	30	Safety Joint	
		Final Shut-In	30	Straddle	
				Circ. Sub	X N/C
				Sampler	
				Extra Packer	
				Other	Elec. Rec. - Demo. n/c
				TOTAL PRICE $	600

Approved By Jeff Christian

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 TEETER #2 Test No. 5 Date 3/30/95

Company RITCHIE EXPLORATION, INC Zone MISSISSIPPI

Address 125 N MARKET #1000 WICHITA KS 67202 Elevation 2814

Co. Rep./Geo. JEFF CHRISTIAN Cont. DUKE #4 Est. Ft. of Pay

Location: Sec. 34 Twp. 13S Rge. 30W Co. GOVE State KS

Interval Tested 4411-4425 Drill Pipe Size 4.5" XH

Anchor Length 14 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 4406 Drill Collar – 2.25 Ft. Run

Bottom Packer Depth 4411 Mud Wt. 9.7 lb/Gal.

Total Depth 4425 Viscosity 48 Filtrate 9.0

Tool Open @ 2:20AM Initial Blow VERY WEAK SURFACE BLOW DIED IN 9 MINUTES

Final Blow NO RETURN BLOW

Recovery - Total Feet 5 Flush Tool? NO

Rec. 5 Feet of DRILLING MUD

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 121 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 1300 ppm System

(A) Initial Hydrostatic Mud 2206.54 PSI AK1 Recorder No. ELECTRONIC Range 2341

(B) First Initial Flow Pressure 7.72 PSI @ (depth) 4416 w / Clock No.

(C) First Final Flow Pressure 10.82 PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-in Pressure 1039.35 PSI @ (depth) 4420 w / Clock No. 17640

(E) Second Initial Flow Pressure 6.54 PSI AK1 Recorder No. Range

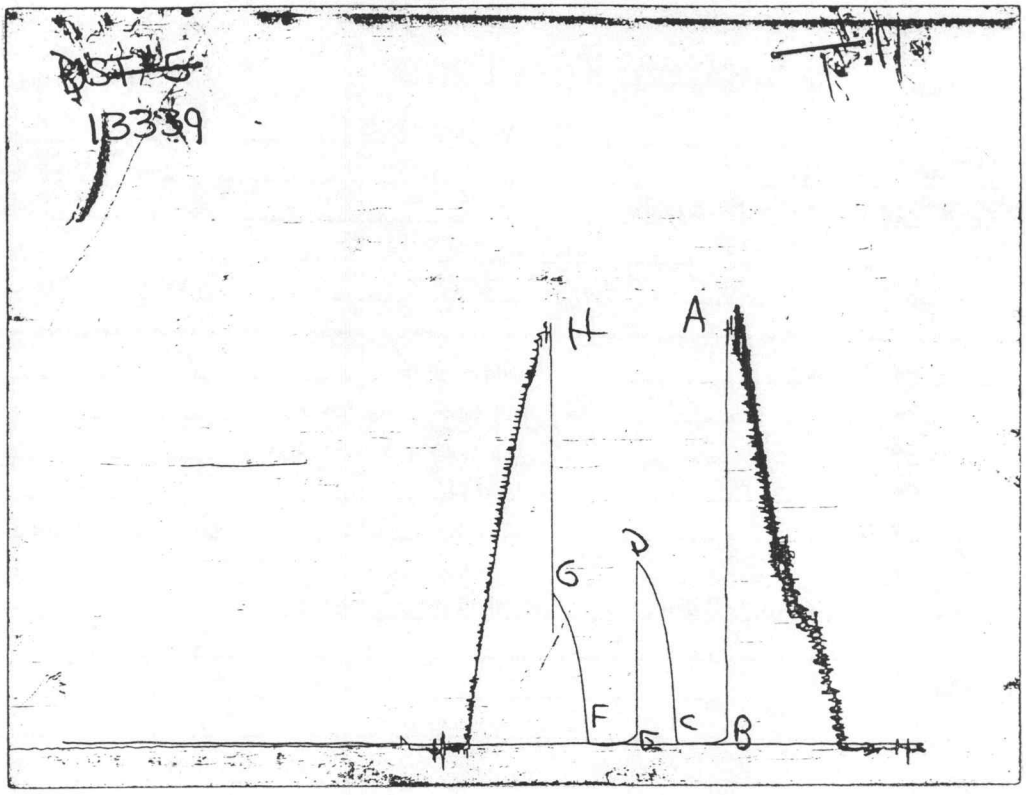
(F) Second Final Flow Pressure 19.71 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 857.06 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 2185.81 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative ROD STEINBRINK

CHART PAGE



This is an actual photograph of an AK1 recorder chart

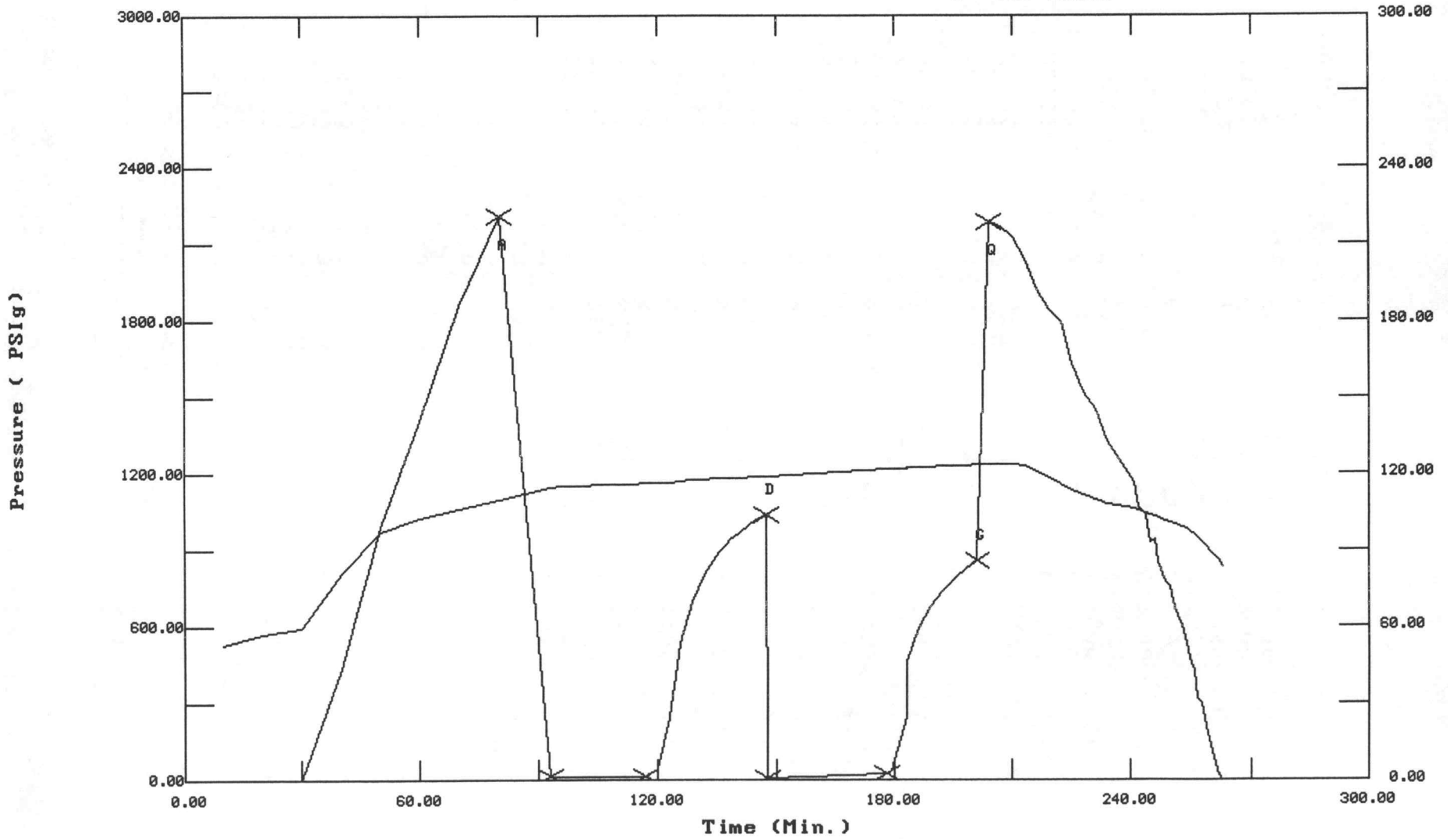
	FIELD READING	AK1 READING	ALPINE READING
(A) INITIAL HYDROSTATIC MUD	2206	2261.5	2206.54
(B) FIRST INITIAL FLOW PRESSURE	7	28.1	7.72
(C) FIRST FINAL FLOW PRESSURE	10	28.1	10.82
(D) INITIAL CLOSED-IN PRESSURE	1039	998	1039.35
(E) SECOND INITIAL FLOW PRESSURE	6	14.6	6.54
(F) SECOND FINAL FLOW PRESSURE	19	28.1	19.71
(G) FINAL CLOSED-IN PRESSURE	857	826.6	857.06
(H) FINAL HYDROSTATIC MUD	2185	2213.4	2185.81

TEST HISTORY

Ritchie Exploration Teeter #2 DST #5

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2206.54
B:	0.00	7.72
C:	24.00	10.82
D:	30.50	1039.35
E:	0.00	6.54
F:	30.00	19.71
G:	23.00	857.06
Q:	0.00	2185.81



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

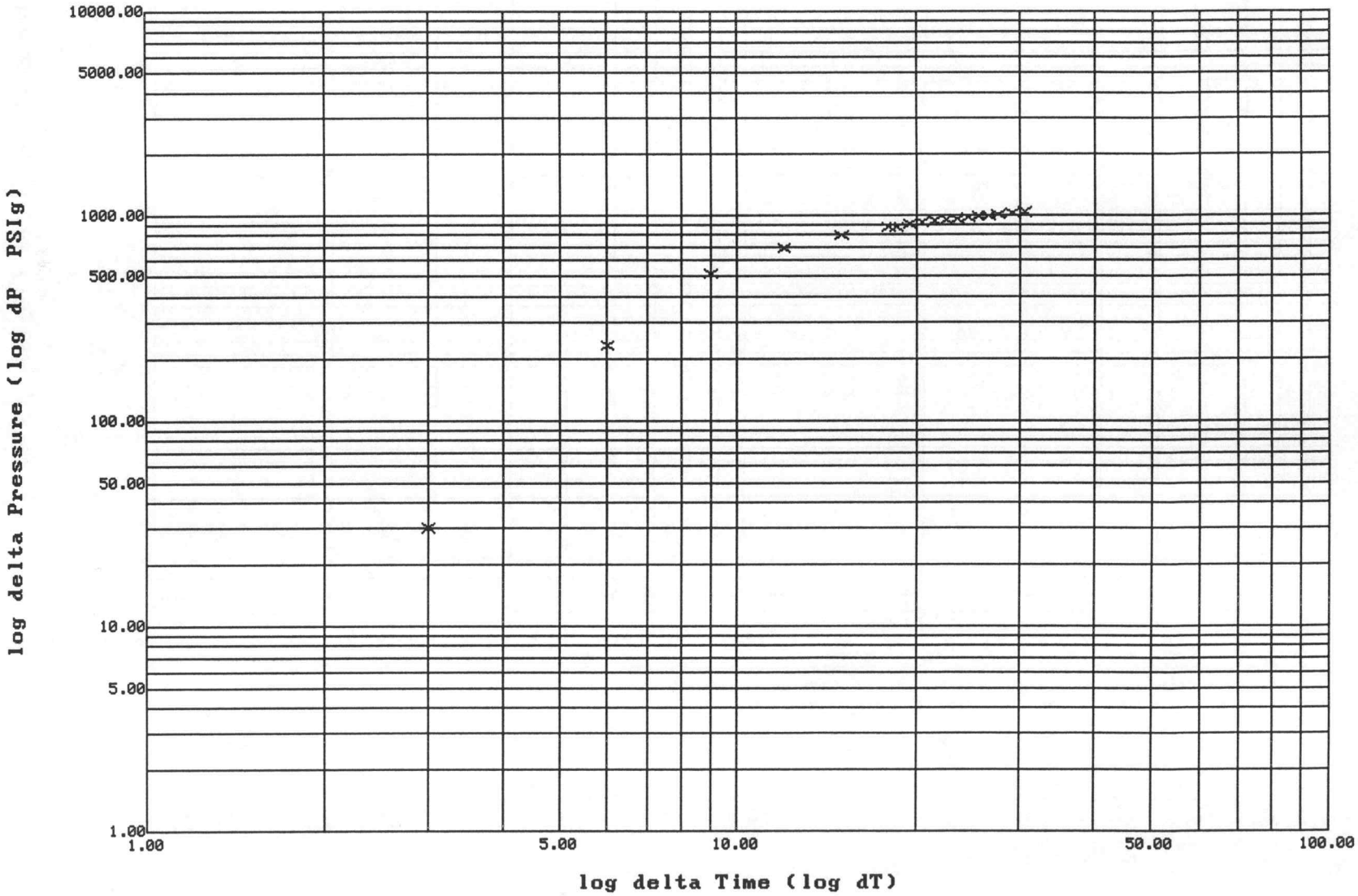
TEST: Ritchie Exploration Teeter #2 DST #5

DATE: 03/30/95 TIME: 00:52:36

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	80.00	2206.5	0.0	109.76		
****** Start Flow 1	0.00	7.7	0.0	114.80		
	3.00	7.8	0.1	115.16		
	6.00	7.8	0.1	115.34		
	9.00	7.8	0.1	115.34		
	12.00	7.6	-0.1	115.52		
	15.00	7.9	0.2	115.52		
	18.00	8.0	0.3	115.70		
	21.00	8.1	0.4	115.88		
****** End Flow 1	24.00	10.8	3.1	116.06		
****** Start Shutin 1	0.00	10.8	0.0	116.06	0.0000	0.000
	3.00	40.9	30.1	116.42	9.0000	0.002
	6.00	244.7	233.9	116.60	5.0000	0.060
	9.00	530.9	520.1	116.96	3.6667	0.282
	12.00	696.2	685.4	117.32	3.0000	0.485
	15.00	801.3	790.4	117.50	2.6000	0.642
	18.00	874.6	863.8	117.86	2.3333	0.765
	18.50	885.6	874.8	117.86	2.2973	0.784
	19.50	904.7	893.9	117.86	2.2308	0.819
	20.50	922.2	911.4	118.04	2.1707	0.850
	21.50	938.2	927.4	118.22	2.1163	0.880
	22.50	953.0	942.2	118.22	2.0667	0.908
	23.50	966.6	955.8	118.22	2.0213	0.934
	24.50	979.3	968.5	118.40	1.9796	0.959
	25.50	991.0	980.2	118.40	1.9412	0.982
	26.50	1002.1	991.3	118.58	1.9057	1.004
	27.50	1012.3	1001.5	118.58	1.8727	1.025
	29.00	1026.5	1015.7	118.76	1.8276	1.054
****** End Shut-in 1	30.50	1039.4	1028.5	118.94	1.7869	1.080
****** Start Flow 2	0.00	6.5	0.0	118.94		
****** End Flow 2	30.00	19.7	13.2	121.64		
****** Start Shutin 2	0.00	19.7	0.0	121.64	0.0000	0.000
	1.00	31.2	11.5	121.64	55.0000	0.001
	5.00	246.0	226.3	121.82	11.8000	0.061
	5.00	459.9	440.2	122.18	11.8000	0.212
	8.00	589.8	570.1	122.36	7.7500	0.348
	11.00	675.9	656.2	122.54	5.9091	0.457
	14.00	739.1	719.3	122.72	4.8571	0.546
	17.00	787.1	767.4	122.90	4.1765	0.619
	20.00	825.6	805.9	123.08	3.7000	0.682
****** End Shut-in 2	23.00	857.1	837.3	123.26	3.3478	0.735
****** Final Hydro.	204.00	2185.8	0.0	123.62		

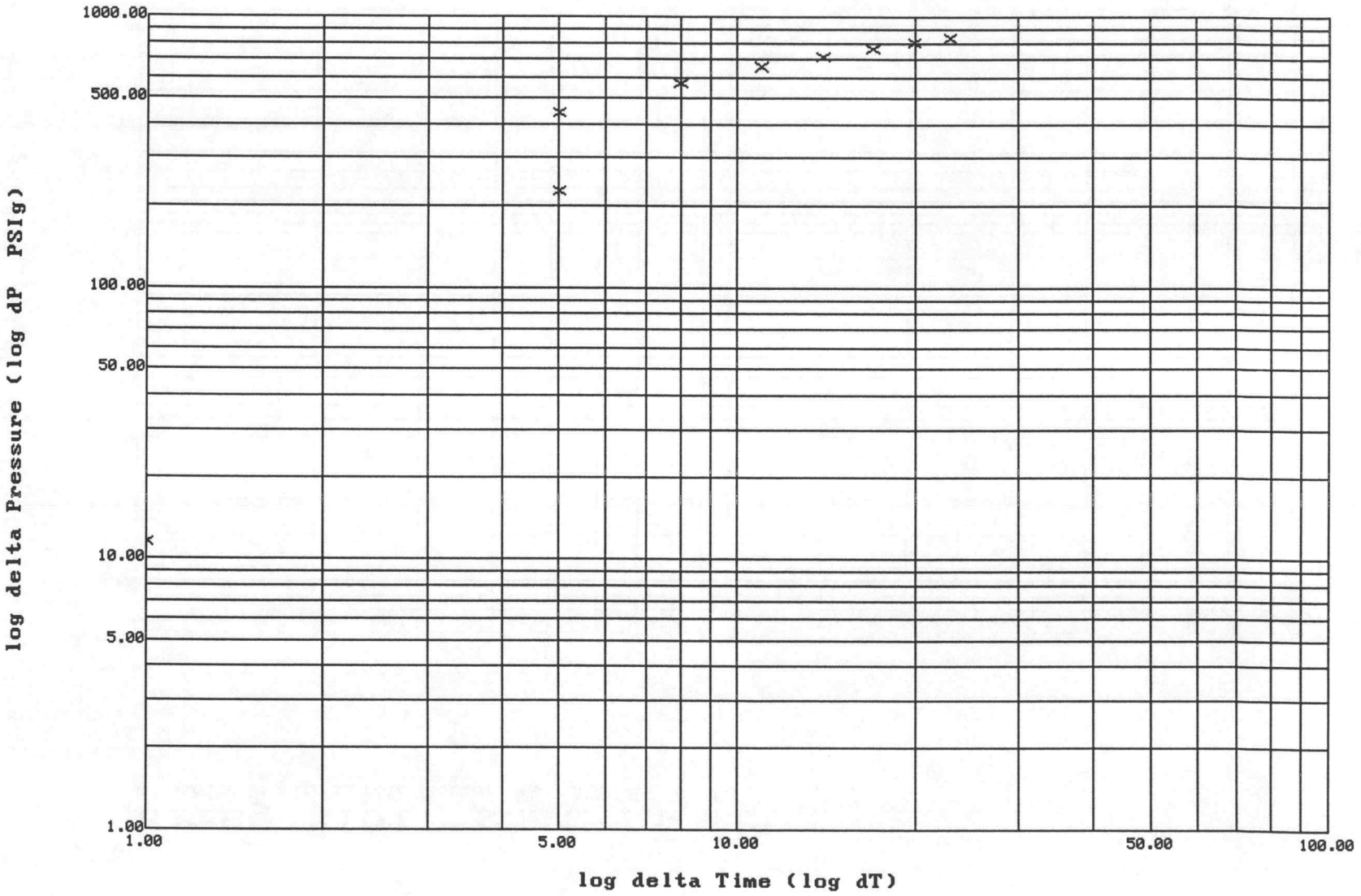
Ramey Plot: shut-in #1

Ritchie Exploration Teeter #2 DST #5



Ramey Plot: shut-in #2

Ritchie Exploration Teeter #2 DST #5

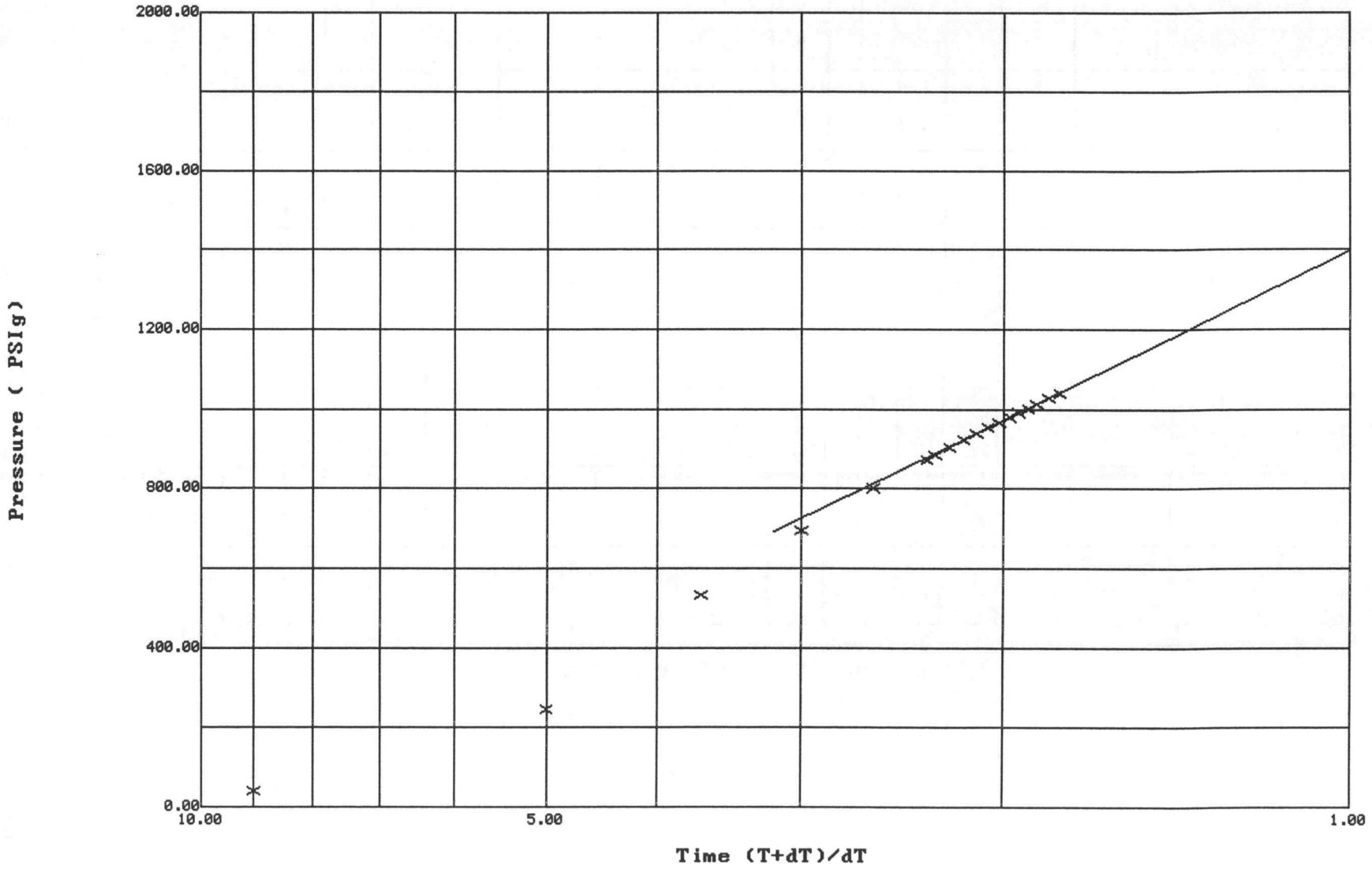


Horner Plot: shut-in #1

Ritchie Exploration Teeter #2 DST #5

Slope: 1408.5895 PSIg/cycle

Ext. Pressure: 1396.1414 PSIg

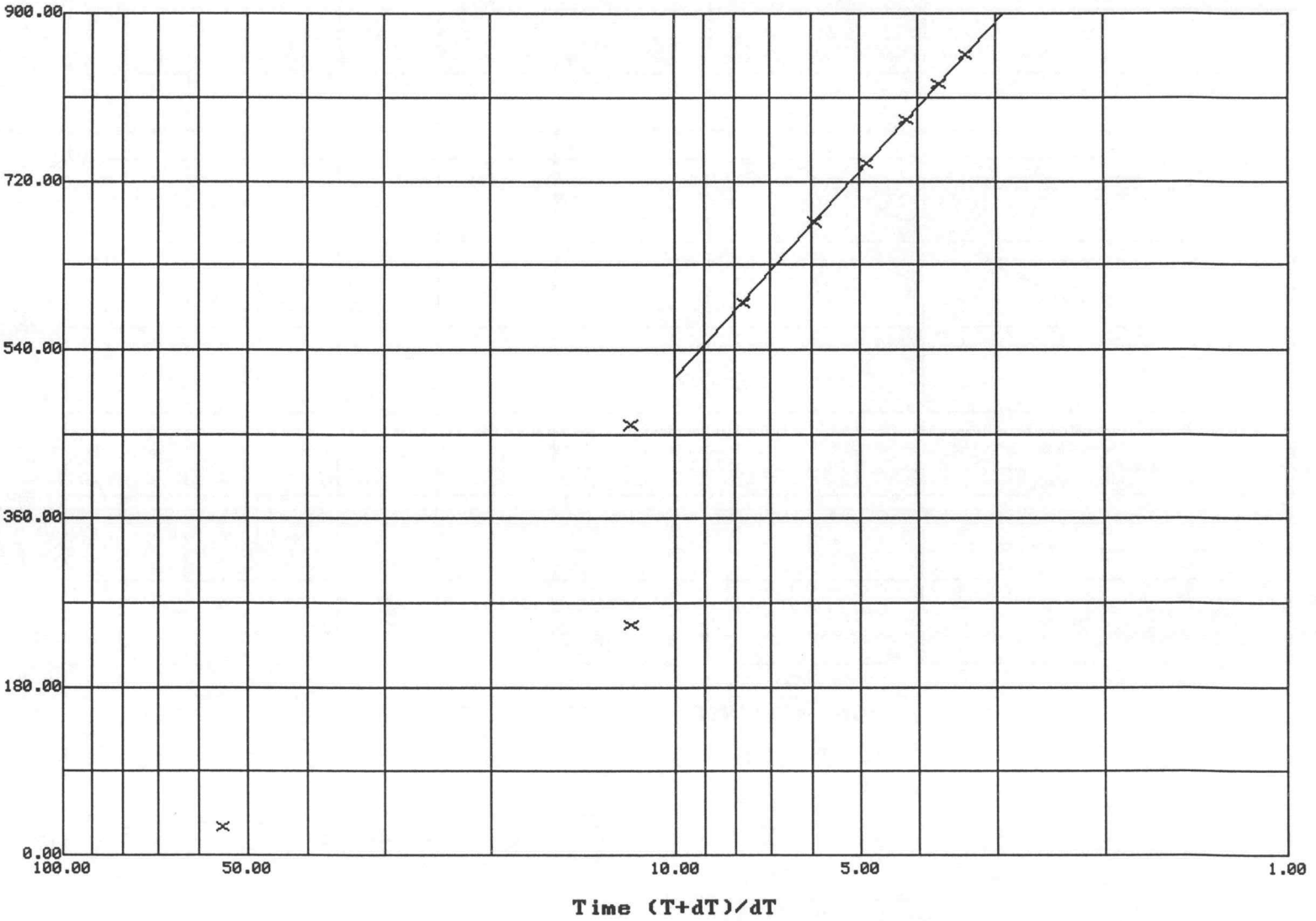


Horner Plot: shut-in #2

Ritchie Exploration Teeter #2 DST #5

Slope: 727.7903 PSIg/cycle

Ext. Pressure: 1238.5887 PSIg



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 7766

Well Name & No. Teeter #2 Test No. 5 Date 3-30-95

Company Ritchie Exploration, Inc. Zone Tested Mississippian

Address 125 N. Market Ste. 1000 Wichita, KS. 67202 Elevation 2814 (KB)

Co. Rep./Geo. Jeff Christian Cont. Duke #4 Est. Ft. of Pay

Location: Sec. 34 Twp. 13S Rge. 30W Co. Gove State KS.

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

Interval Tested 4411 - 4425 Drill Pipe Size 4½" XH

Anchor Length 14' Top Choke — 1" Bottom Choke — ¾"

Top Packer Depth 4406 Hole Size — 7⅞" Rubber Size — 6¾"

Bottom Packer Depth 4411 Wt. Pipe I.D. — 2.7 Ft. Run —

Total Depth 4425 Drill Collar — 2.25 Ft. Run —

Mud Wt. 9.7 lb / gal. Viscosity 48 Filtrate 9.0

Tool Open @ 2:20 am Initial Blow Very weak surface blow died 9 mins.

Final Blow No return blow.

Recovery — Total Feet 5' Feet of Gas in Pipe — Flush Tool? No

Rec.	Feet Of	%gas	%oil	%water	%mud
Rec. 5'	Feet Of Drlg. Mud.	%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 121° °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 1,300 ppm System

(A) Initial Hydrostatic Mud	2206 PSI	AK1 Recorder No.	Elec. Rec.	Range	#2341
(B) First Initial Flow Pressure	7 PSI	@ (depth)	4416	w/Clock No.	
(C) First Final Flow Pressure	10 PSI	AK1 Recorder No.	13339	Range	4025
(D) Initial Shut-In Pressure	1039 PSI	@ (depth)	4420	w/Clock No.	17640
(E) Second Initial Flow Pressure	6 PSI	AK1 Recorder No.	—	Range	—
(F) Second Final Flow Pressure	19 PSI	@ (depth)	—	w/Clock No.	—
(G) Final Shut-In Pressure	857 PSI	Initial Opening	30	Test	600
(H) Final Hydrostatic Mud	2185 PSI	Initial Shut-In	30	Jars	
		Final Flow	30	Safety Joint	
		Final Shut-In	30	Straddle	
				Circ. Sub	X N/C
				Sampler	
				Extra Packer	
				Other	Elec. Rec. Demo.
				TOTAL PRICE $	600

Approved By Jeff Christian

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 TEETER #2 Test No. 6 Date 3/30/95

Company RITCHIE EXPLORATION, INC Zone MISSISSIPPI

Address 125 N MARKET #1000 WICHITA KS 67202 Elevation 2814

Co. Rep./Geo. JEFF CHRISTIAN Cont. DUKE #4 Est. Ft. of Pay

Location: Sec. 34 Twp. 13S Rge. 30W Co. GOVE State KS

Interval Tested 4427-4441 Drill Pipe Size 4.5" XH

Anchor Length 14 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth SINGLE PACKER Drill Collar – 2.25 Ft. Run

Bottom Packer Depth 4427 Mud Wt. 9.7 lb/Gal.

Total Depth 4441 Viscosity 49 Filtrate 9.0

Tool Open @ 1:20PM Initial Blow VERY WEAK SURFACE BLOW DEAD @ 3 MINUTES

Final Blow NO RETURN - FLUSHED TOOL - GOOD SURGE - NO HELP

Recovery - Total Feet 5 Flush Tool? NO

Rec. 5 Feet of DRILLING MUD

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 119 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 1400 ppm System

(A) Initial Hydrostatic Mud 2252.61 PSI AK1 Recorder No. 2341 Range ELECTR

(B) First Initial Flow Pressure 8.47 PSI @ (depth) 4431 w / Clock No.

(C) First Final Flow Pressure 8.38 PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-in Pressure 30.63 PSI @ (depth) 4436 w / Clock No. 17640

(E) Second Initial Flow Pressure 9.64 PSI AK1 Recorder No. Range

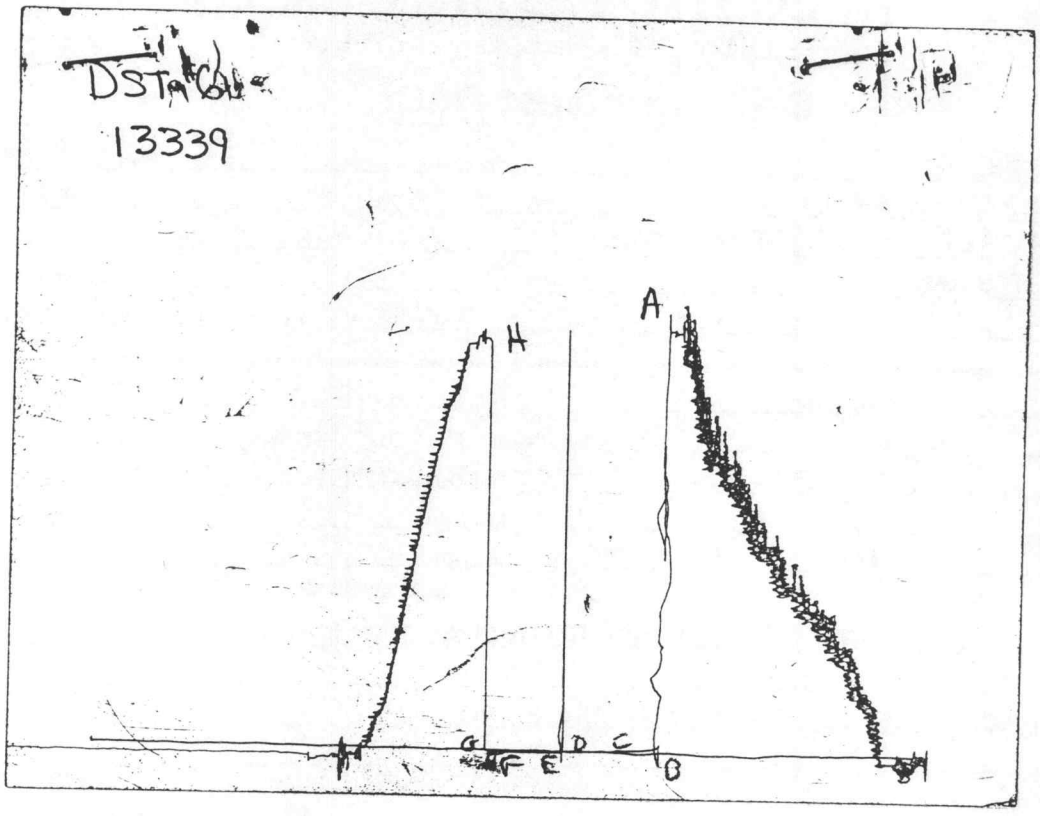
(F) Second Final Flow Pressure 4.27 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 30.54 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 2220.64 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative ROD STEINBRINK

CHART PAGE



This is an actual photograph of an AK1 recorder chart

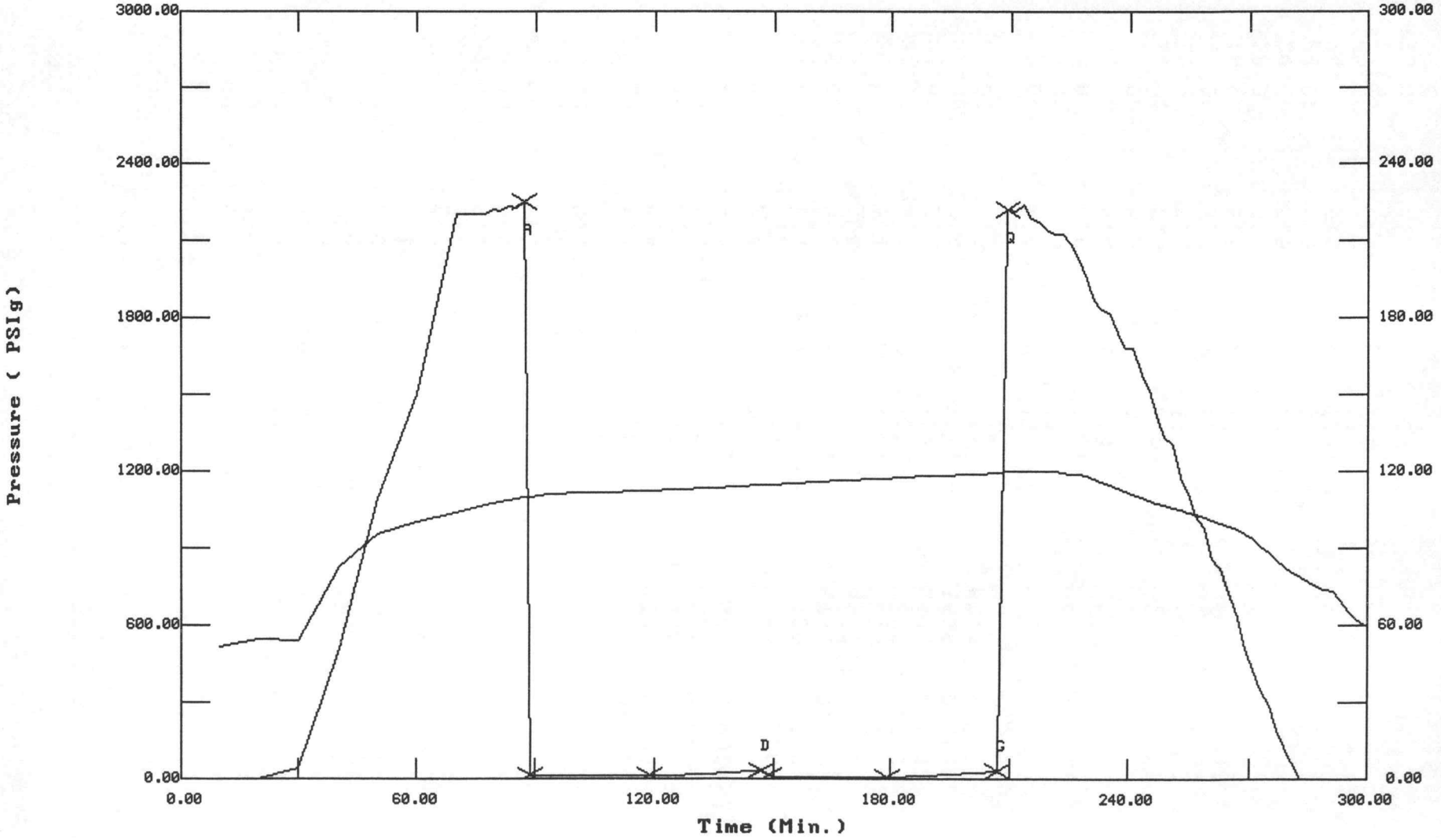
	FIELD READING	AK1 READING	ALPINE READING
(A) INITIAL HYDROSTATIC MUD	2252	2352.7	2252.61
(B) FIRST INITIAL FLOW PRESSURE	8	22.9	8.47
(C) FIRST FINAL FLOW PRESSURE	8	225.9	8.38
(D) INITIAL CLOSED-IN PRESSURE	30	36.4	30.63
(E) SECOND INITIAL FLOW PRESSURE	9	22.9	9.64
(F) SECOND FINAL FLOW PRESSURE	8	22.9	4.27
(G) FINAL CLOSED-IN PRESSURE	30	37.4	30.54
(H) FINAL HYDROSTATIC MUD	2220	2212.4	2220.64

TEST HISTORY

Ritchie Exploration Teeter #2 DST #6

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2252.61
B:	0.00	8.47
C:	30.00	8.38
D:	28.00	30.63
E:	0.00	9.64
F:	30.00	4.27
G:	28.00	30.54
Q:	0.00	2220.64



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Ritchie Exploration Teeter #2 DST #6

DATE: 03/30/95 TIME: 11:51:14

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	87.00	2252.6	0.0	109.76		
****** Start Flow 1	0.00	8.5	0.0	109.94		
	2.00	8.6	0.2	110.48		
	4.00	8.6	0.2	110.84		
	6.00	8.9	0.4	111.20		
	8.00	8.9	0.4	111.20		
	10.00	8.9	0.4	111.38		
	12.00	9.0	0.5	111.38		
	14.00	9.0	0.5	111.56		
	16.00	9.1	0.6	111.56		
	18.00	9.1	0.6	111.56		
	20.00	9.1	0.6	111.74		
	22.00	9.1	0.7	111.74		
	24.00	9.0	0.5	111.92		
	26.00	9.1	0.7	111.92		
	28.00	9.1	0.7	112.10		
****** End Flow 1	30.00	8.4	-0.1	112.28		
****** Start Shutin 1	0.00	8.4	0.0	112.28	0.0000	0.000
	2.00	9.3	0.9	112.28	16.0000	0.000
	4.00	10.4	2.0	112.46	8.5000	0.000
	6.00	11.4	3.0	112.64	6.0000	0.000
	8.00	12.3	3.9	112.82	4.7500	0.000
	10.00	13.4	5.0	113.00	4.0000	0.000
	12.00	14.8	6.4	113.18	3.5000	0.000
	14.00	16.4	8.1	113.36	3.1429	0.000
	16.00	18.0	9.6	113.36	2.8750	0.000
	18.00	19.6	11.2	113.54	2.6667	0.000
	20.00	21.1	12.8	113.72	2.5000	0.000
	22.00	23.2	14.9	113.90	2.3636	0.001
	24.00	25.5	17.1	114.08	2.2500	0.001
	26.00	27.9	19.5	114.26	2.1538	0.001
****** End Shut-in 1	28.00	30.6	22.2	114.44	2.0714	0.001
****** Start Flow 2	0.00	9.6	0.0	114.62		
	2.00	4.9	-4.8	114.80		
	4.00	5.0	-4.6	114.98		
	6.00	5.4	-4.3	115.16		
	8.00	5.4	-4.3	115.34		
	10.00	5.3	-4.4	115.52		
	12.00	5.5	-4.2	115.70		
	14.00	5.5	-4.2	115.88		
	16.00	5.5	-4.2	116.06		
	18.00	5.5	-4.1	116.24		
	20.00	5.5	-4.1	116.42		
	22.00	5.6	-4.0	116.60		
	24.00	5.6	-4.0	116.78		
	26.00	5.7	-3.9	116.96		
	28.00	5.7	-3.9	117.14		
****** End Flow 2	30.00	4.3	-5.4	117.14		
****** Start Shutin 2	0.00	4.3	0.0	117.14	0.0000	0.000
	2.00	5.0	0.8	117.32	31.0000	0.000
	4.00	6.2	1.9	117.50	16.0000	0.000

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

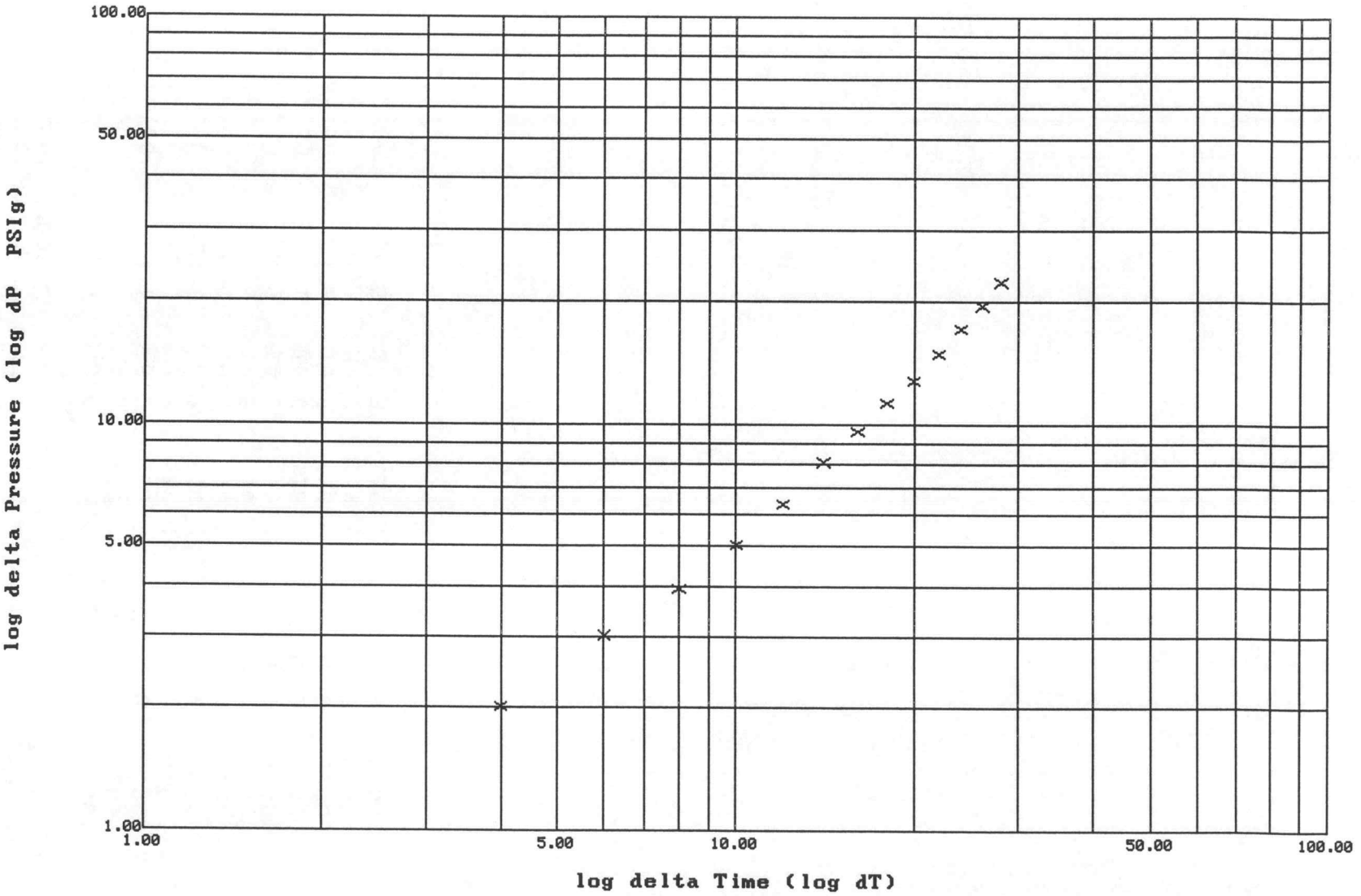
TEST: Ritchie Exploration Teeter #2 DST #6

DATE: 03/30/95 TIME: 11:51:14

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	6.00	7.3	3.0	117.68	11.0000	0.000
	8.00	8.8	4.5	117.86	8.5000	0.000
	10.00	10.1	5.8	118.04	7.0000	0.000
	12.00	11.6	7.3	118.04	6.0000	0.000
	14.00	13.1	8.8	118.22	5.2857	0.000
	16.00	14.8	10.6	118.40	4.7500	0.000
	18.00	16.6	12.3	118.58	4.3333	0.000
	20.00	18.7	14.4	118.76	4.0000	0.000
	22.00	21.1	16.8	118.76	3.7273	0.000
	24.00	23.8	19.6	118.94	3.5000	0.001
	26.00	27.0	22.7	119.12	3.3077	0.001
****** End Shut-in 2	28.00	30.5	26.3	119.30	3.1429	0.001
****** Final Hydro.	209.00	2220.6	0.0	119.66		

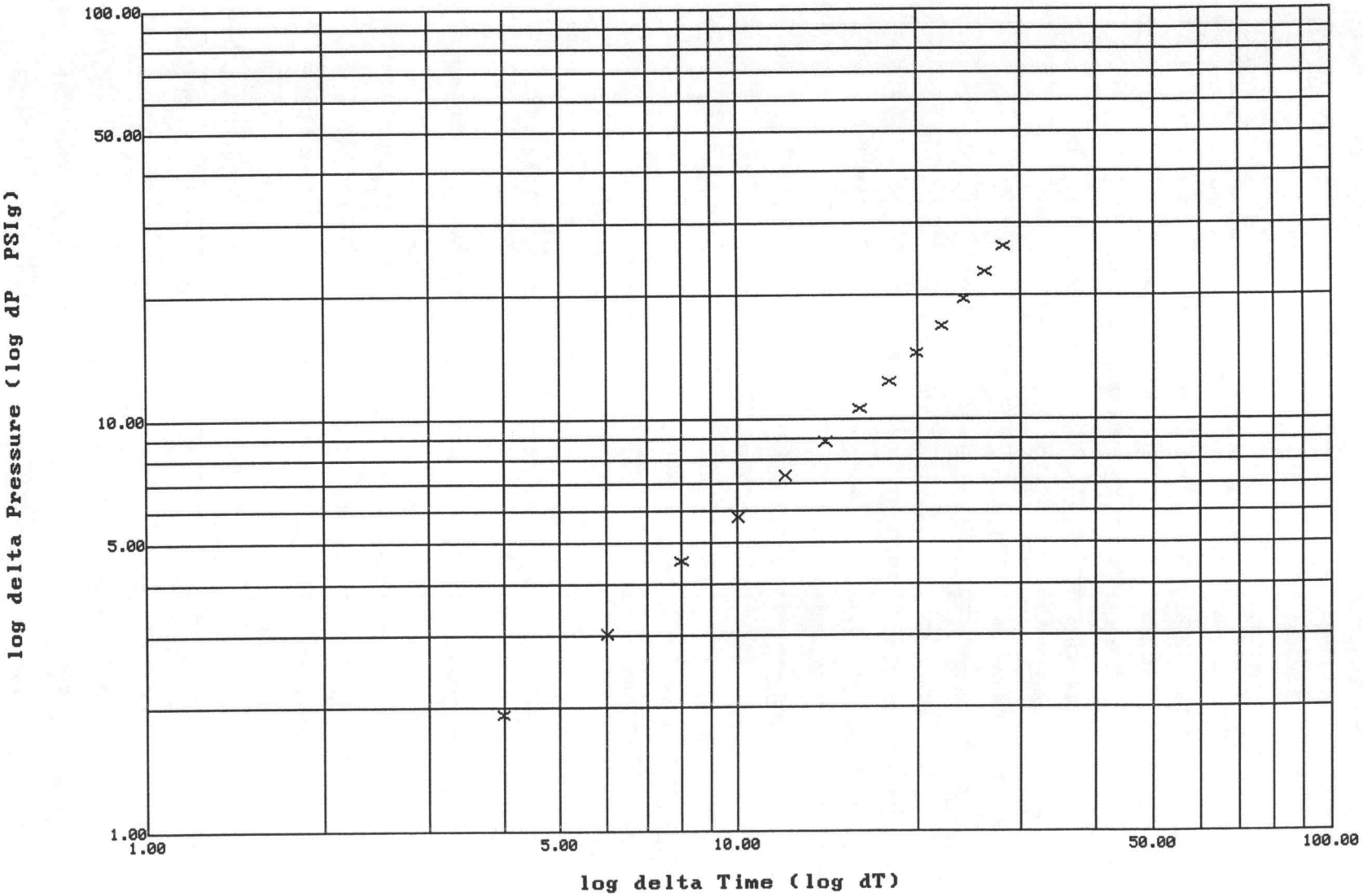
Ramey Plot: shut-in #1

Ritchie Exploration Teeter #2 DST #6



Ramey Plot: shut-in #2

Ritchie Exploration Teeter #2 DST #6



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 7767

Well Name & No. Teeter #2 Test No. 6 Date 3-30-95

Company Ritchie Exploration, Inc. Zone Tested Mississippian

Address 125 N. Market Ste. 1000 Wichita, KS. 67202 Elevation 2814 (KB)

Co. Rep./Geo. Jeff Christian Cont. Duke #4 Est. Ft. of Pay

Location: Sec. 34 Twp. 13S Rge. 30W Co. Gove State KS.

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

Interval Tested 4427 - 4441 Drill Pipe Size 4½" XH

Anchor Length 14' Top Choke — 1" Bottom Choke — ¾"

Top Packer Depth single packer Hole Size — 7⅞" Rubber Size — 6¾"

Bottom Packer Depth 4427 Wt. Pipe I.D. — 2.7 Ft. Run —

Total Depth 4441 Drill Collar — 2.25 Ft. Run —

Mud Wt. 9.7 lb / gal. Viscosity 49 Filtrate 9.0

Tool Open @ 1:20 pm Initial Blow Very weak surface blow dead @ 3 mins

Final Blow no return Flushtool - good surge - no help

Recovery — Total Feet 5' Feet of Gas in Pipe — Flush Tool? Yes

Rec.	Feet Of		%gas	%oil	%water	%mud
Rec.	Feet Of		%gas	%oil	%water	%mud
Rec. 5'	Feet Of	Drlg. Mud	%gas	%oil	%water	%mud
Rec.	Feet Of		%gas	%oil	%water	%mud
Rec.	Feet Of		%gas	%oil	%water	%mud

BHT 119° °F Gravity ____ °API @ ____ °F Corrected Gravity ____ °API

RW ____ @ ____ °F Chlorides ____ ppm Recovery Chlorides 1,400 ppm System

(A) Initial Hydrostatic Mud	2252 PSI	AK1 Recorder No.	2341	Range	Electronic
(B) First Initial Flow Pressure	8 PSI	@ (depth)	4431	w/Clock No.	—
(C) First Final Flow Pressure	8 PSI	AK1 Recorder No.	13339	Range	4025
(D) Initial Shut-In Pressure	30 PSI	@ (depth)	4436	w/Clock No.	17640
(E) Second Initial Flow Pressure	9 PSI	AK1 Recorder No.	—	Range	—
(F) Second Final Flow Pressure	8 PSI	@ (depth)	—	w/Clock No.	—
(G) Final Shut-In Pressure	30 PSI	Initial Opening	30	Test	600
(H) Final Hydrostatic Mud	2220 PSI	Initial Shut-In	30	Jars	
		Final Flow	30	Safety Joint	
		Final Shut-In	30	Straddle	
				Circ. Sub	X N/C
				Sampler	
				Extra Packer	
				Other	Elec. Rec. Demo
				TOTAL PRICE $	600

Approved By Jeff Christian

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 TEETER #2 Test No. 7 Date 3/31/95

Company RITCHIE EXPLORATION, INC Zone MISSISSIPPI

Address 125 N MARKET #1000 WICHITA KS 67202 Elevation 2814

Co. Rep./Geo. JEFF CHRISTIAN Cont. DUKE #4 Est. Ft. of Pay

Location: Sec. 34 Twp. 13S Rge. 30W Co. GOVE State KS

Interval Tested 4441-4470 Drill Pipe Size 4.5" XH

Anchor Length 29 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 4436 Drill Collar – 2.25 Ft. Run

Bottom Packer Depth 4441 Mud Wt. 9.7 lb/Gal.

Total Depth 4470 Viscosity 49 Filtrate 9.0

Tool Open @ 2:27AM Initial Blow WEAK SURFACE BLOW DIED IN 2 MINUTES

ISI: BLED OFF BLOW - NO RETURN BLOW

Final Blow NO RETURN BLOW

Recovery - Total Feet 5 Flush Tool? NO

Rec. 5 Feet of DRILLING MUD

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 121 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides ppm System

(A) Initial Hydrostatic Mud 2208.89 PSI AK1 Recorder No. 2341 Range ELECTR

(B) First Initial Flow Pressure 13.42 PSI @ (depth) 4443 w / Clock No.

(C) First Final Flow Pressure 9.89 PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-in Pressure 992.27 PSI @ (depth) 4465 w / Clock No. 17640

(E) Second Initial Flow Pressure 10.65 PSI AK1 Recorder No. Range

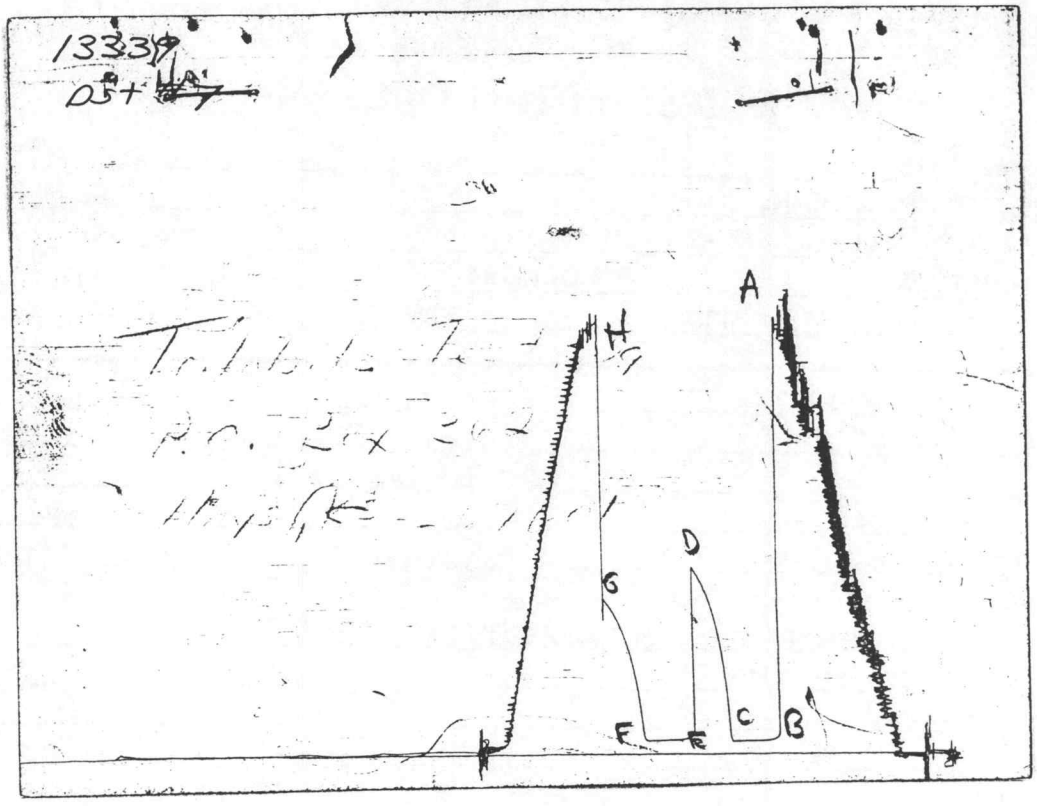
(F) Second Final Flow Pressure 10.99 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 826.01 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 2203.26 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative ROD STEINBRINK

CHART PAGE



This is an actual photograph of an AK1 recorder chart

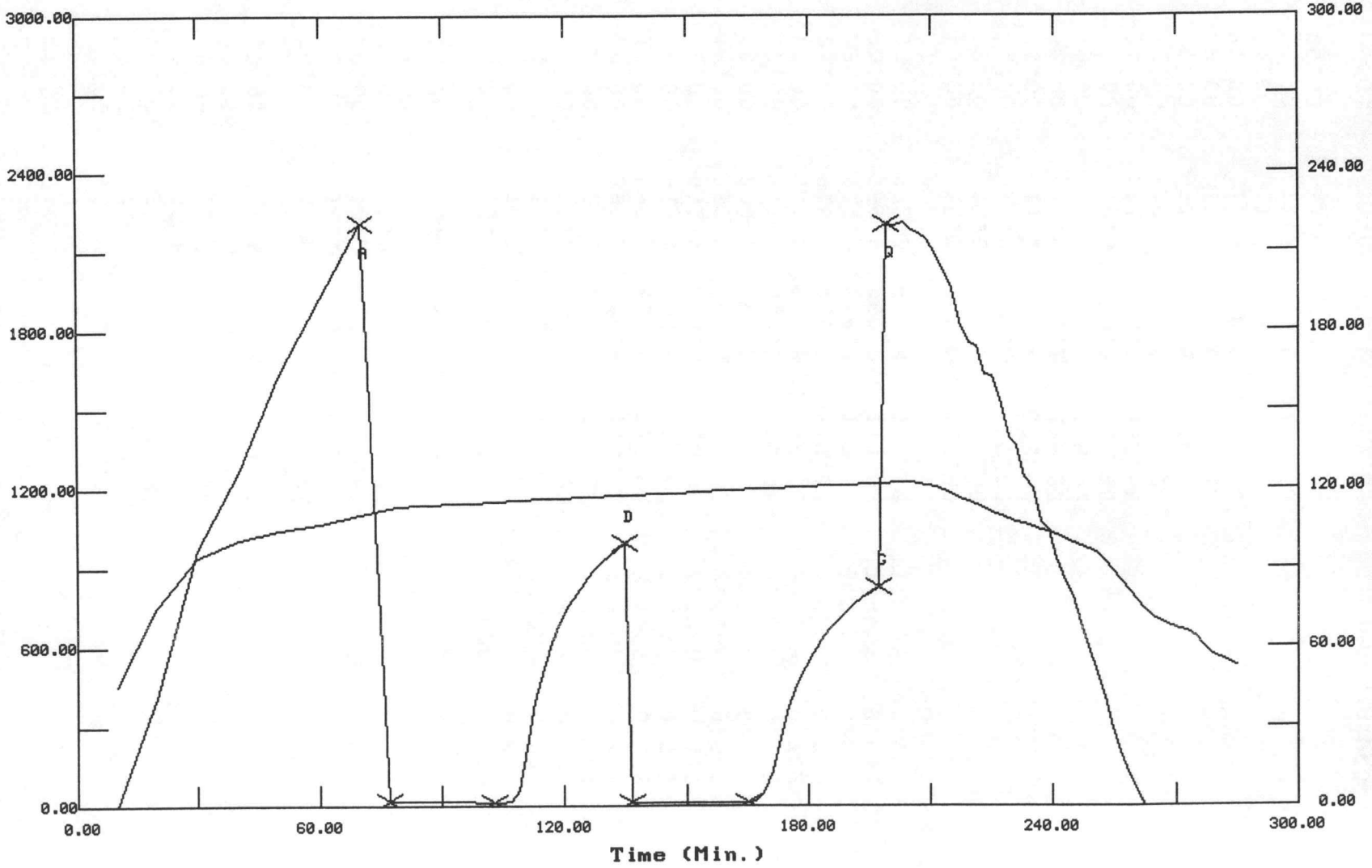
	FIELD READING	AK1 READING	ALPINE READING
(A) INITIAL HYDROSTATIC MUD	2208	2301.6	2208.89
(B) FIRST INITIAL FLOW PRESSURE	13	69.7	13.42
(C) FIRST FINAL FLOW PRESSURE	9	58.2	9.89
(D) INITIAL CLOSED-IN PRESSURE	992	995	992.27
(E) SECOND INITIAL FLOW PRESSURE	10	70.7	10.65
(F) SECOND FINAL FLOW PRESSURE	10	70.7	10.99
(G) FINAL CLOSED-IN PRESSURE	826	828.6	826.01
(H) FINAL HYDROSTATIC MUD	2203	2223.6	2203.26

TEST HISTORY

Ritchie Exploration Teeter #2 DST #7

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2208.89
B:	0.00	13.42
C:	26.00	9.89
D:	32.00	992.27
E:	0.00	10.65
F:	28.00	10.99
G:	32.00	826.01
Q:	0.00	2203.26



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Ritchie Exploration Teeter #2 DST #7

DATE: 03/31/95 TIME: 01:12:59

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	70.00	2208.9	0.0	110.48		
****** Start Flow 1	0.00	13.4	0.0	112.64		
	2.00	13.4	0.0	113.18		
	4.00	13.5	0.1	113.36		
	6.00	13.6	0.2	113.72		
	8.00	13.8	0.3	113.90		
	10.00	13.8	0.3	114.08		
	12.00	13.8	0.4	114.08		
	14.00	13.9	0.5	114.26		
	16.00	13.9	0.5	114.44		
	18.00	14.1	0.7	114.44		
	20.00	14.1	0.7	114.62		
	22.00	9.7	-3.7	114.80		
	24.00	9.6	-3.9	114.98		
****** End Flow 1	26.00	9.9	-3.5	115.16		
****** Start Shutin 1	0.00	9.9	0.0	115.16	0.0000	0.000
	2.00	10.1	0.2	115.34	14.0000	0.000
	4.00	13.5	3.6	115.52	7.5000	0.000
	6.00	57.0	47.1	115.70	5.3333	0.003
	8.00	222.5	212.6	115.88	4.2500	0.049
	10.00	396.3	386.4	116.06	3.6000	0.157
	12.00	522.4	512.5	116.24	3.1667	0.273
	14.00	617.4	607.6	116.42	2.8571	0.381
	16.00	692.2	682.3	116.42	2.6250	0.479
	18.00	753.2	743.3	116.60	2.4444	0.567
	20.00	804.1	794.2	116.78	2.3000	0.647
	22.00	847.2	837.3	116.96	2.1818	0.718
	24.00	884.2	874.3	116.96	2.0833	0.782
	26.00	916.1	906.2	117.14	2.0000	0.839
	28.00	944.7	934.8	117.32	1.9286	0.892
	30.00	969.9	960.0	117.32	1.8667	0.941
****** End Shut-in 1	32.00	992.3	982.4	117.50	1.8125	0.985
****** Start Flow 2	0.00	10.7	0.0	117.50		
	2.00	10.6	-0.1	117.68		
	4.00	10.9	0.3	117.86		
	6.00	11.1	0.4	118.04		
	8.00	10.9	0.3	118.22		
	10.00	10.9	0.3	118.22		
	12.00	10.9	0.3	118.40		
	14.00	11.0	0.3	118.58		
	16.00	10.6	-0.1	118.76		
	18.00	11.0	0.3	118.94		
	20.00	11.1	0.4	119.12		
	22.00	11.3	0.7	119.12		
	24.00	11.2	0.6	119.30		
	26.00	11.2	0.5	119.48		
****** End Flow 2	28.00	11.0	0.3	119.66		
****** Start Shutin 2	0.00	11.0	0.0	119.66	0.0000	0.000
	2.00	15.8	4.8	119.84	28.0000	0.000
	4.00	43.6	32.6	120.02	14.5000	0.002
	6.00	130.4	119.4	120.20	10.0000	0.017

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

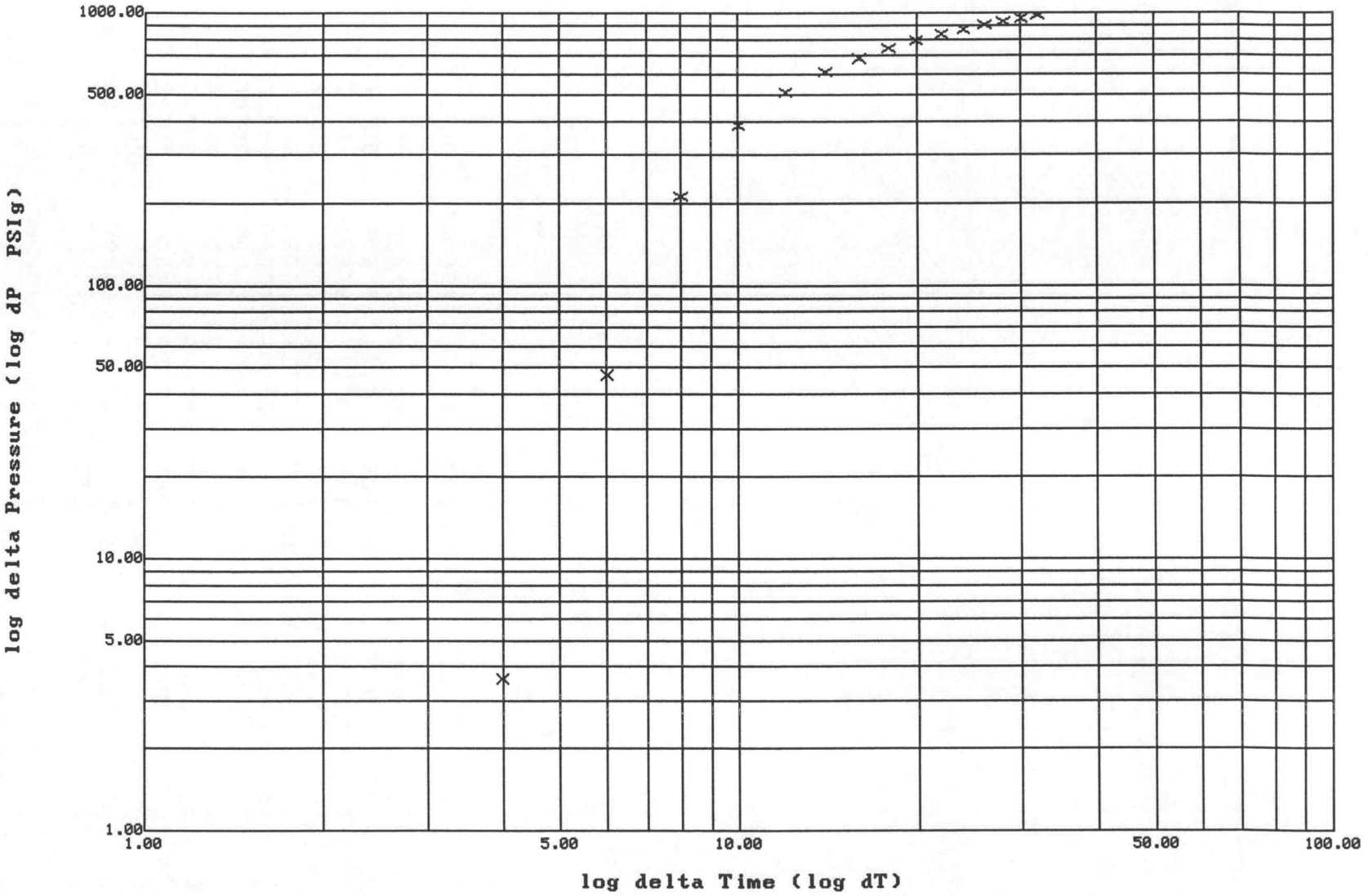
TEST: Ritchie Exploration Teeter #2 DST #7

DATE: 03/31/95 TIME: 01:12:59

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	8.00	258.4	247.4	120.20	7.7500	0.067
	10.00	368.0	357.0	120.38	6.4000	0.135
	12.00	452.9	441.9	120.56	5.5000	0.205
	14.00	520.8	509.8	120.74	4.8571	0.271
	16.00	576.8	565.8	120.74	4.3750	0.333
	18.00	624.1	613.1	120.92	4.0000	0.389
	20.00	664.2	653.2	120.92	3.7000	0.441
	22.00	699.7	688.7	121.10	3.4545	0.490
	24.00	730.8	719.8	121.28	3.2500	0.534
	26.00	758.2	747.2	121.28	3.0769	0.575
	28.00	783.0	772.0	121.46	2.9286	0.613
	30.00	805.5	794.5	121.46	2.8000	0.649
****** End Shut-in 2	32.00	826.0	815.0	121.64	2.6875	0.682
****** Final Hydro.	199.00	2203.3	0.0	122.00		

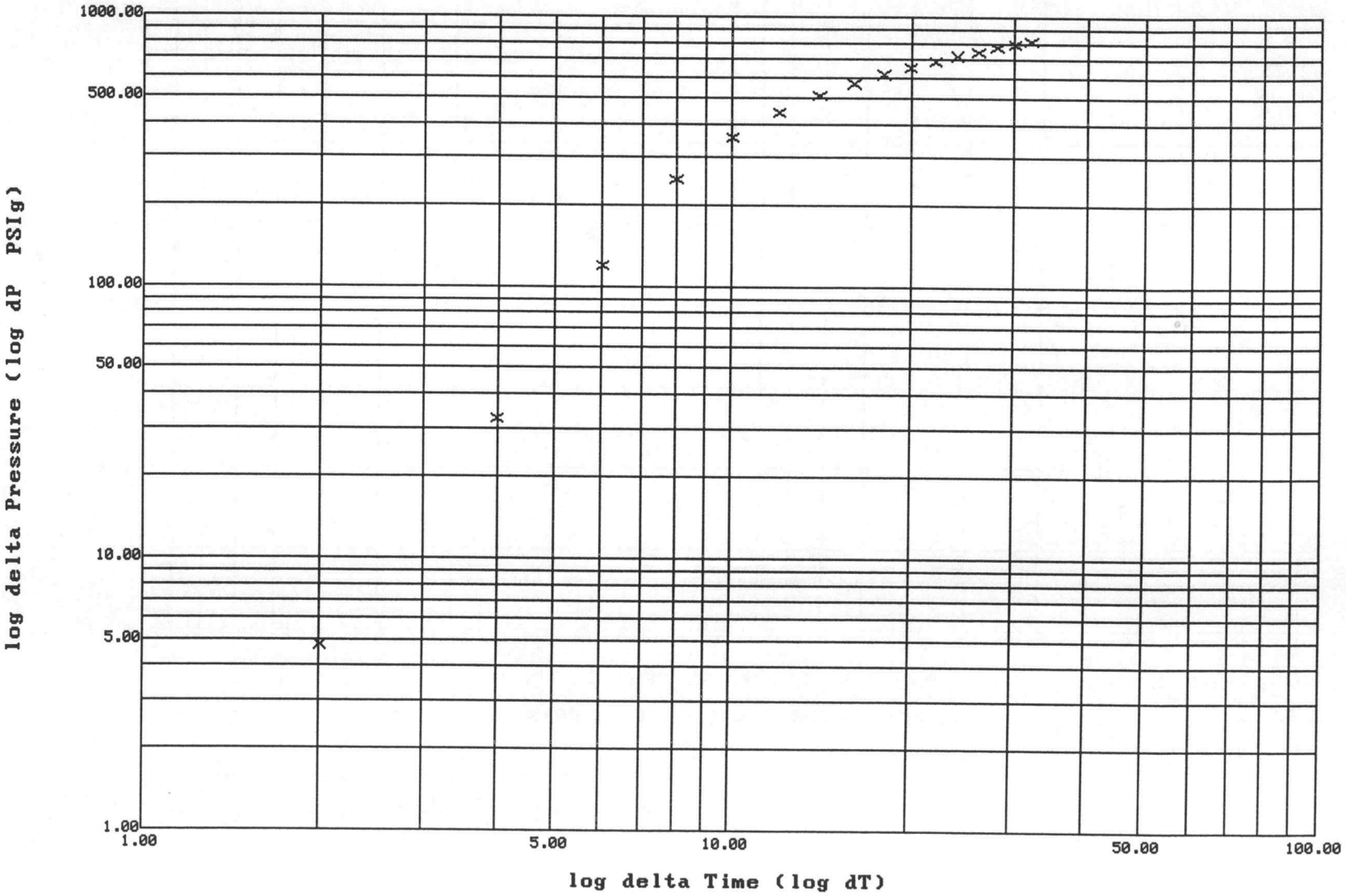
Ramey Plot: shut-in #1

Ritchie Exploration Teeter #2 DST #7



Ramey Plot: shut-in #2

Ritchie Exploration Teeter #2 DST #7

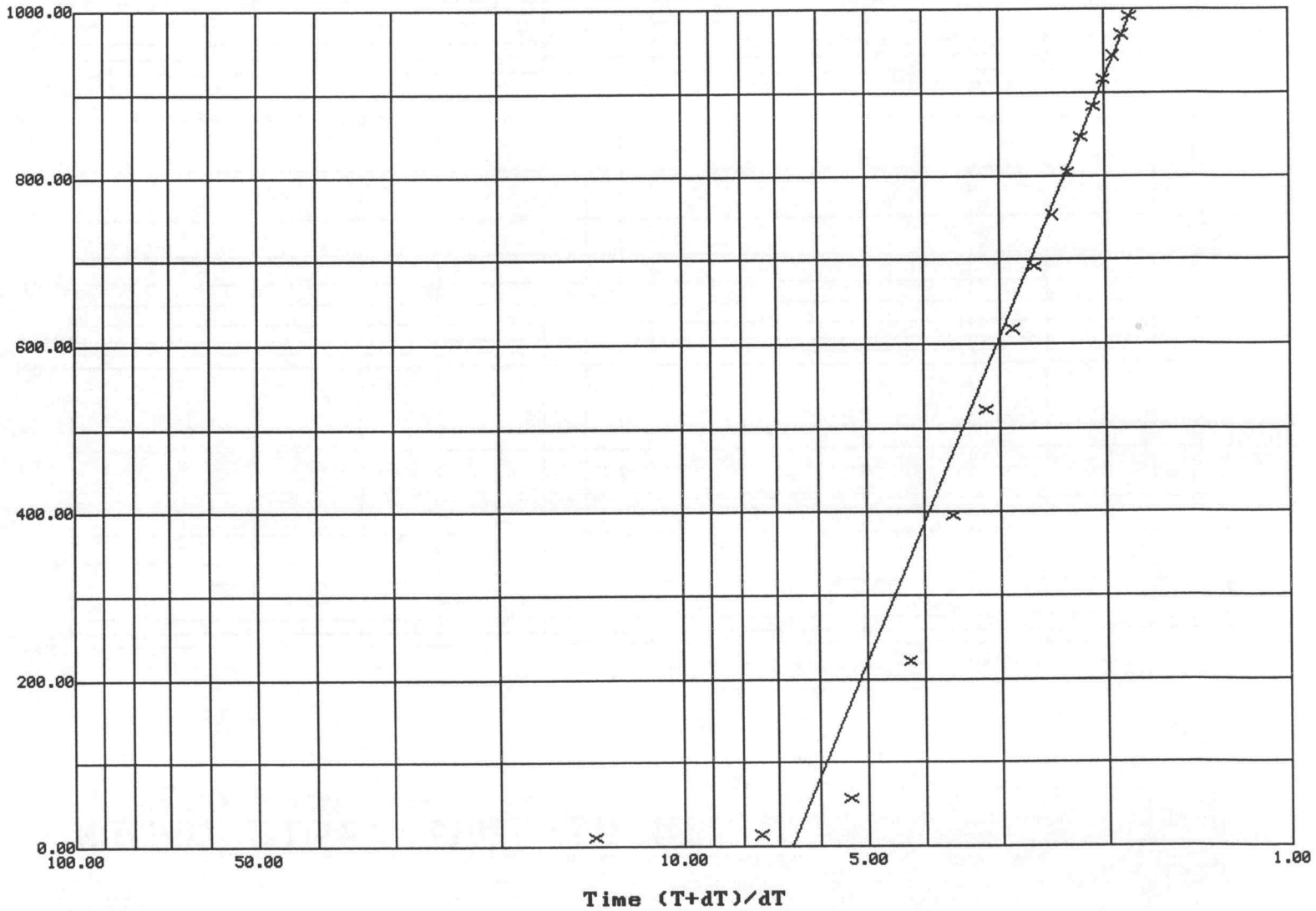


Horner Plot: shut-in #1

Ritchie Exploration Teeter #2 DST #7

Slope: 1765.5601 PSIg/cycle

Ext. Pressure: 1448.3351 PSIg

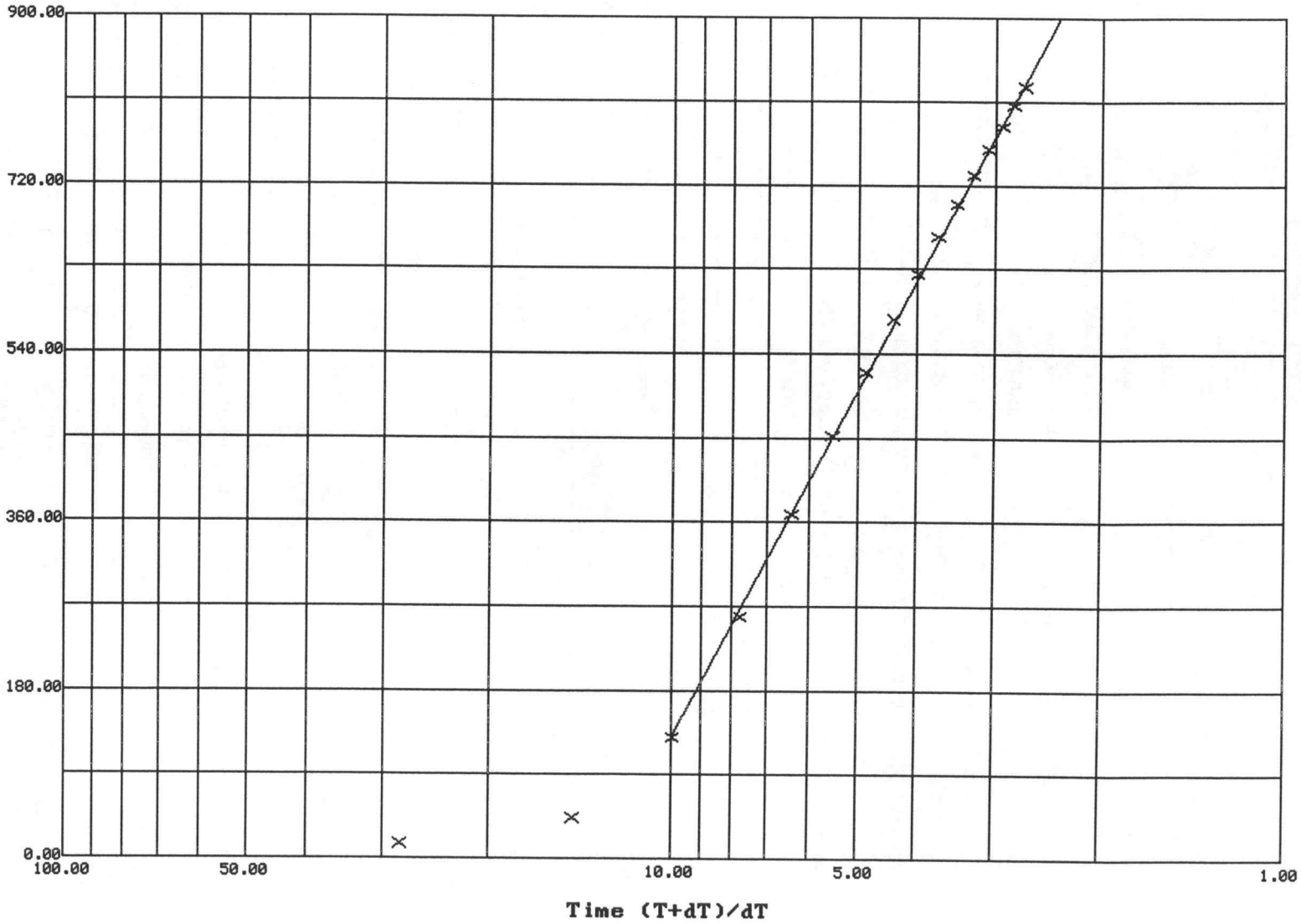


Horner Plot: shut-in #2

Ritchie Exploration Teeter #2 DST #7

Slope: 1227.5742 PSIg/cycle

Ext. Pressure: 1358.5566 PSIg



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 7768

Well Name & No. Tecter #2 Test No. 7 Date 3-31-95

Company Ritchie Exploration, Inc. Zone Tested Mississippian

Address 125 N. Market Ste 1000 Wichita, KS 67202 Elevation 2814 (KB)

Co. Rep./Geo. Jeff Christian Cont. Duke #4 Est. Ft. of Pay

Location: Sec. 34 Twp. 13S Rge. 30W Co. Gove State KS

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

Interval Tested 4441' – 4470 Drill Pipe Size 4½ XH

Anchor Length 29' Top Choke — 1" ____ Bottom Choke — ¾" ____

Top Packer Depth 4436' Hole Size — 7⅞" ____ Rubber Size — 6¾" ____

Bottom Packer Depth 4441' Wt. Pipe I.D. — 2.7 Ft. Run —

Total Depth 4470 Drill Collar — 2.25 Ft. Run —

Mud Wt. 9.7 lb / gal. Viscosity 49 Filtrate 9.0

Tool Open @ 2:27AM Initial Blow Weak surface blow died 2 m.i.w.

I.S.I. Bleed of Blow no return Blow

Final Blow No return Blow

F.S.I.

Recovery — Total Feet 5' Feet of Gas in Pipe — Flush Tool? No

Rec. 5' Feet Of Mud %gas %oil %water 100 %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 121 °F Gravity ____ °API @ ____ °F Corrected Gravity ____ °API

RW ____ @ ____ °F Chlorides ____ ppm Recovery Chlorides ____ ppm System

(A) Initial Hydrostatic Mud	2208 PSI	AK1 Recorder No.	2341	Range	Electronic
(B) First Initial Flow Pressure	13 PSI	@ (depth)	4443	w/Clock No.	—
(C) First Final Flow Pressure	9 PSI	AK1 Recorder No.	13339	Range	4025
(D) Initial Shut-In Pressure	992 PSI	@ (depth)	4465	w/Clock No.	17640
(E) Second Initial Flow Pressure	10 PSI	AK1 Recorder No.	—	Range	—
(F) Second Final Flow Pressure	10 PSI	@ (depth)	—	w/Clock No.	—
(G) Final Shut-In Pressure	826 PSI	Initial Opening	30	Test X	600
(H) Final Hydrostatic Mud	2203 PSI	Initial Shut-In	30	Jars	
		Final Flow	30	Safety Joint	
		Final Shut-In	30	Straddle	
				Circ. Sub X	N/C
				Sampler	
				Extra Packer	
				Other Elec. Rec. Demo	
				TOTAL PRICE $	600

Approved By Jeff Christian

Our Representative Duke Mallard

Printcraft Printers - Hays, KS