TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Computer Inventoried **Drill-Stem Test Data**

Well Name J.R. EWING #5-8 Test No. 1 Date 3/23/95

Company VIKING RESOURCES Zone KC '70'

Address 105 S BROADWAY #1040 WICHITA KS 67202 Elevation 2675

Co. Rep./Geo. SCOTT OATSDEAN Cont. ABERCROMBIE #8 Est. Ft. of Pay

Location: Sec. 8 Twp. 16S Rge. 27W Co. LANE State KS

Interval Tested 4010-4030 Drill Pipe Size 4.5" XH

Anchor Length 20 Wt. Pipe I.D. - 2.7 Ft. Run 505

Top Packer Depth 4005 Drill Collar – 2.25 Ft. Run

Bottom Packer Depth 4010 Mud Wt. 8.6 lb/Gal.

Total Depth 4030 Viscosity 45 Filtrate 10.4

Tool Open @ 8:16 AM Initial Blow SURFACE BLOW BUILT TO 3/4"

ISI: NO RETURN BLOW

Final Blow NO BLOW

Recovery - Total Feet 8 Flush Tool? NO

Rec. 8 Feet of FREE OIL

Rec. 5 Feet of OIL CUT WATERY MUD 5%OIL/30%WATER/65%MUD

Rec. Feet of

Rec. Feet of

Rec. Feet of

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

RW @ °F Chlorides ppm Recovery Chlorides 4000 ppm System

(A) Initial Hydrostatic Mud 1936.30 PSI AK1 Recorder No. 11057 Range 4500

(B) First Initial Flow Pressure 37.80 PSI @ (depth) 4017 w / Clock No. 22347

(C) First Final Flow Pressure 37.80 PSI AK1 Recorder No. 11058 Range 4500

(D) Initial Shut-in Pressure 928.70 PSI @ (depth) 4025 w / Clock No. 21048

(E) Second Initial Flow Pressure 37.80 PSI AK1 Recorder No. 2341 Range 4995

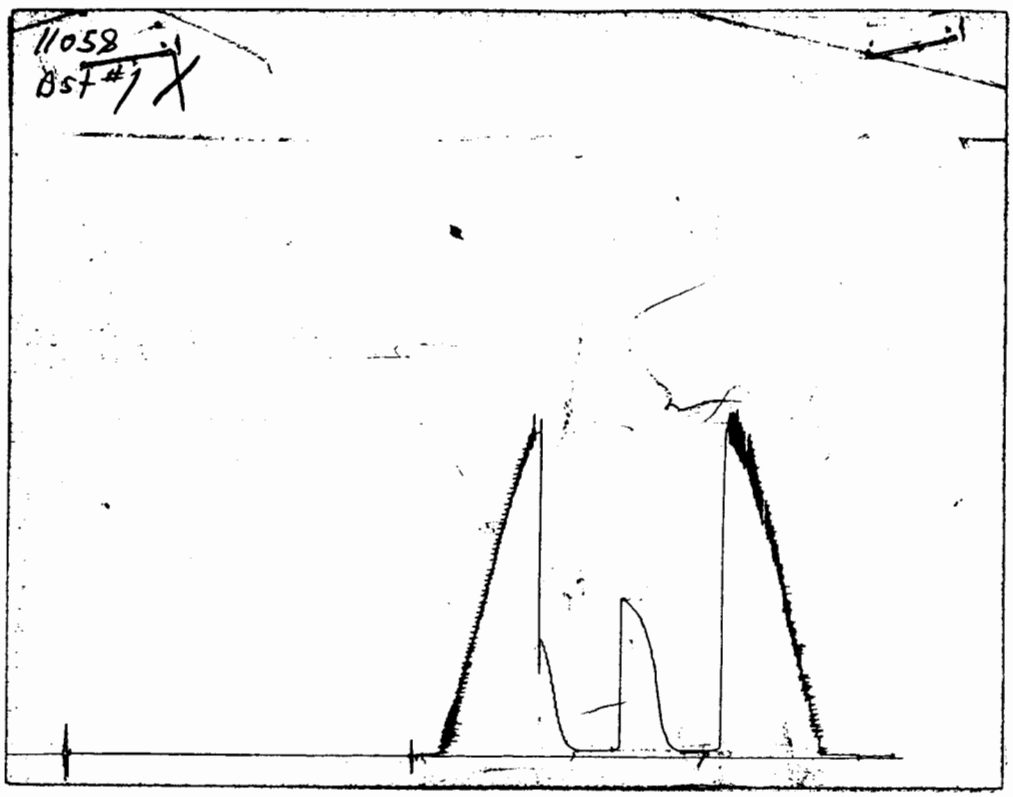
(F) Second Final Flow Pressure 37.80 PSI @ (depth) 4011 w / Clock No.

(G) Final Shut-in Pressure 686.60 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 1895.40 PSI Initial Shut-in 45 Final Shut-in 30

Our Representative SHANE MCBRIDE

CHART PAGE



This is an actual photograph of an AK1 recorder chart

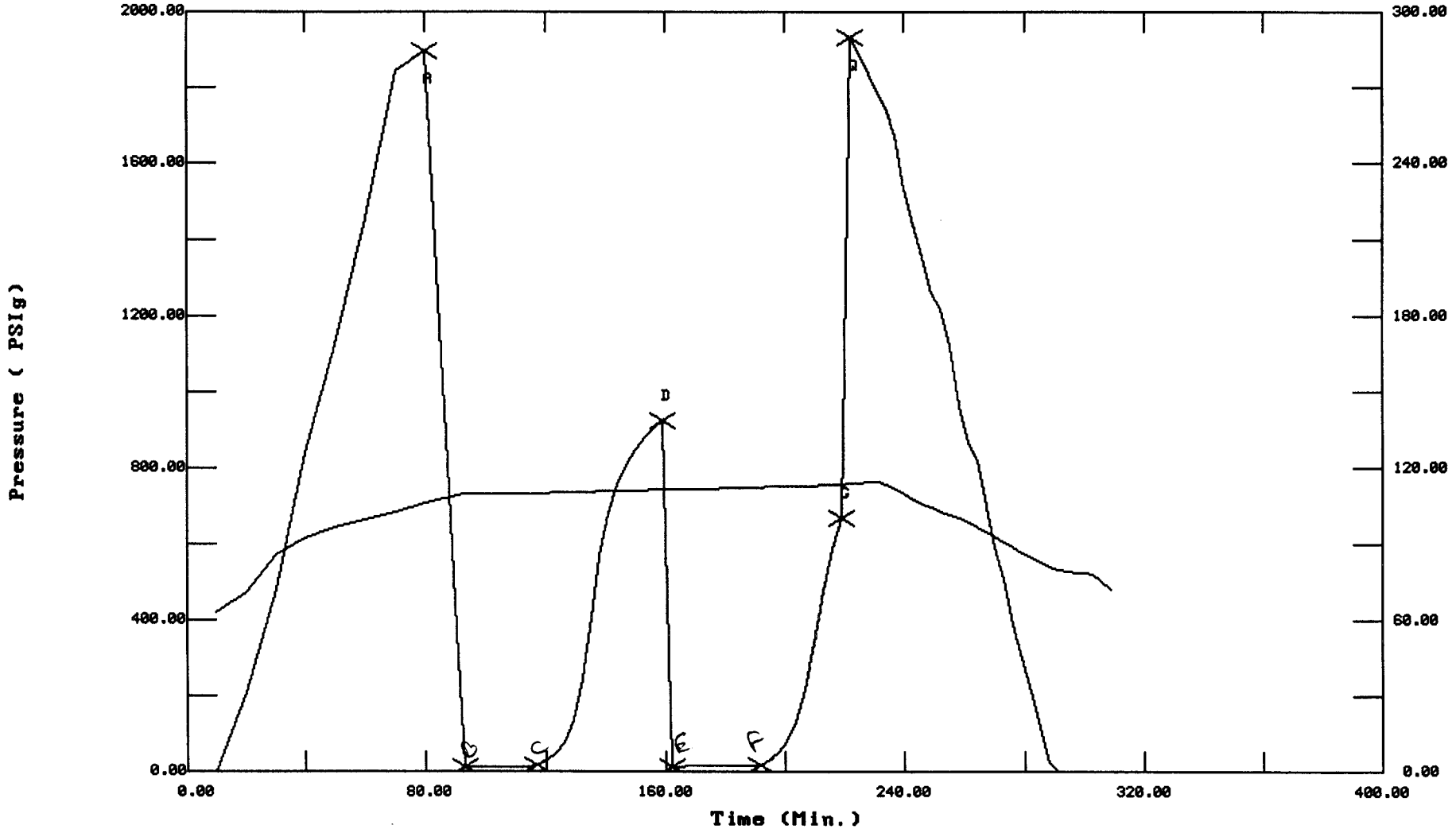
	AK1 READING	ALPINE READING
(A) INITIAL HYDROSTATIC MUD	1897.9	1936.30
(B) FIRST INITIAL FLOW PRESSURE	11.1	37.80
(C) FIRST FINAL FLOW PRESSURE	12.7	37.80
(D) INITIAL CLOSED-IN PRESSURE	925.3	928.70
(E) SECOND INITIAL FLOW PRESSURE	9.8	37.80
(F) SECOND FINAL FLOW PRESSURE	15.9	37.80
(G) FINAL CLOSED-IN PRESSURE	665.6	686.60
(H) FINAL HYDROSTATIC MUD	1934.1	1895.40

TEST HISTORY

Viking Resources J.R.Ewing #5 DST #1

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	1897.85
B:	0.00	11.07
C:	24.00	12.75
D:	42.00	925.30
E:	0.00	9.81
F:	30.00	15.85
G:	27.00	665.62
Q:	0.00	1934.11



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

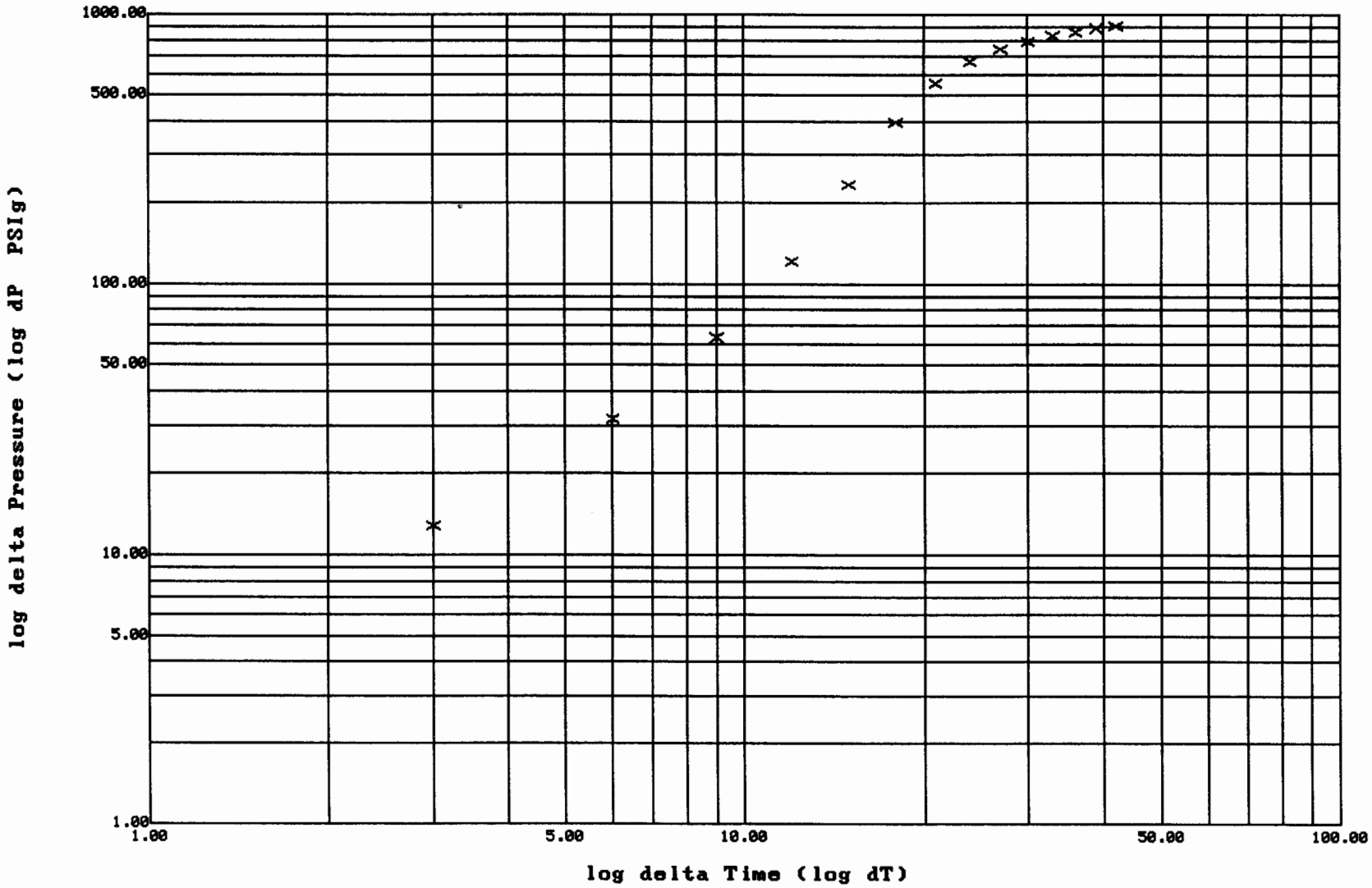
TEST: Viking Resources J.R.Ewing #5 DST #1

DATE: 03/23/95 TIME: 06:51:13

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	80.00	1897.9	0.0	105.98		
****** Start Flow 1	0.00	11.1	0.0	109.58		
	3.00	11.2	0.2	109.58		
	6.00	11.6	0.5	109.58		
	9.00	12.1	1.0	109.76		
	12.00	12.1	1.0	109.76		
	15.00	11.8	0.8	109.76		
	18.00	11.9	0.8	109.76		
	21.00	12.1	1.0	109.94		
****** End Flow 1	24.00	12.7	1.7	109.94		
****** Start Shutin 1	0.00	12.7	0.0	109.94	0.0000	0.000
	3.00	25.6	12.8	109.94	9.0000	0.001
	6.00	44.5	31.7	110.12	5.0000	0.002
	9.00	75.9	63.1	110.12	3.6667	0.006
	12.00	134.0	121.3	110.30	3.0000	0.018
	15.00	244.4	231.6	110.30	2.6000	0.060
	18.00	408.5	395.7	110.48	2.3333	0.167
	21.00	568.2	555.4	110.66	2.1429	0.323
	24.00	678.5	665.8	110.84	2.0000	0.460
	27.00	754.7	741.9	110.84	1.8889	0.570
	30.00	808.4	795.6	111.02	1.8000	0.653
	33.00	847.7	835.0	111.20	1.7273	0.719
	36.00	879.2	866.5	111.20	1.6667	0.773
	39.00	904.3	891.6	111.38	1.6154	0.818
****** End Shut-in 1	42.00	925.3	912.5	111.56	1.5714	0.856
****** Start Flow 2	0.00	9.8	0.0	111.56		
	3.00	12.4	2.6	111.56		
	6.00	13.8	3.9	111.56		
	9.00	13.6	3.8	111.56		
	12.00	13.6	3.8	111.74		
	15.00	13.3	3.5	111.74		
	18.00	14.4	4.6	111.92		
	21.00	14.6	4.8	111.92		
	24.00	14.7	4.9	112.10		
	27.00	15.0	5.2	112.28		
****** End Flow 2	30.00	15.9	6.0	112.28		
****** Start Shutin 2	0.00	15.9	0.0	112.28	0.0000	0.000
	3.00	29.6	13.8	112.46	19.0000	0.001
	6.00	48.5	32.6	112.64	10.0000	0.002
	9.00	78.2	62.4	112.64	7.0000	0.006
	12.00	128.8	113.0	112.82	5.5000	0.017
	15.00	215.2	199.3	113.00	4.6000	0.046
	18.00	340.5	324.6	113.00	4.0000	0.116
	21.00	475.6	459.8	113.18	3.5714	0.226
	24.00	585.4	569.5	113.36	3.2500	0.343
****** End Shut-in 2	27.00	665.6	649.8	113.36	3.0000	0.443
****** Final Hydro.	222.00	1934.1	0.0	113.72		

Ramey Plot: shut-in #1

Viking Resources J.R.Ewing #5 DST #1

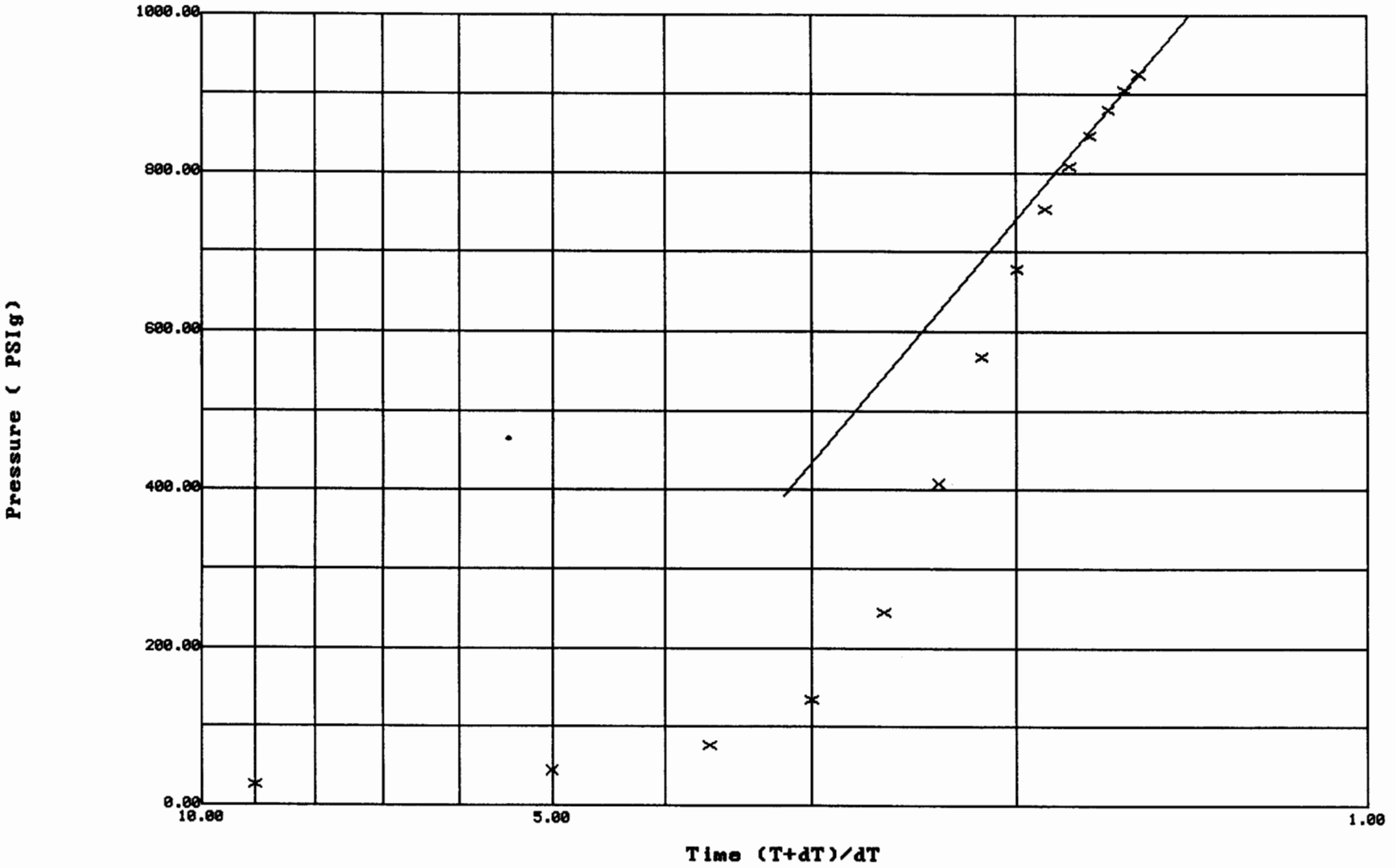


Horner Plot: shut-in #1

Viking Resources J.R.Ewing #5 DST #1

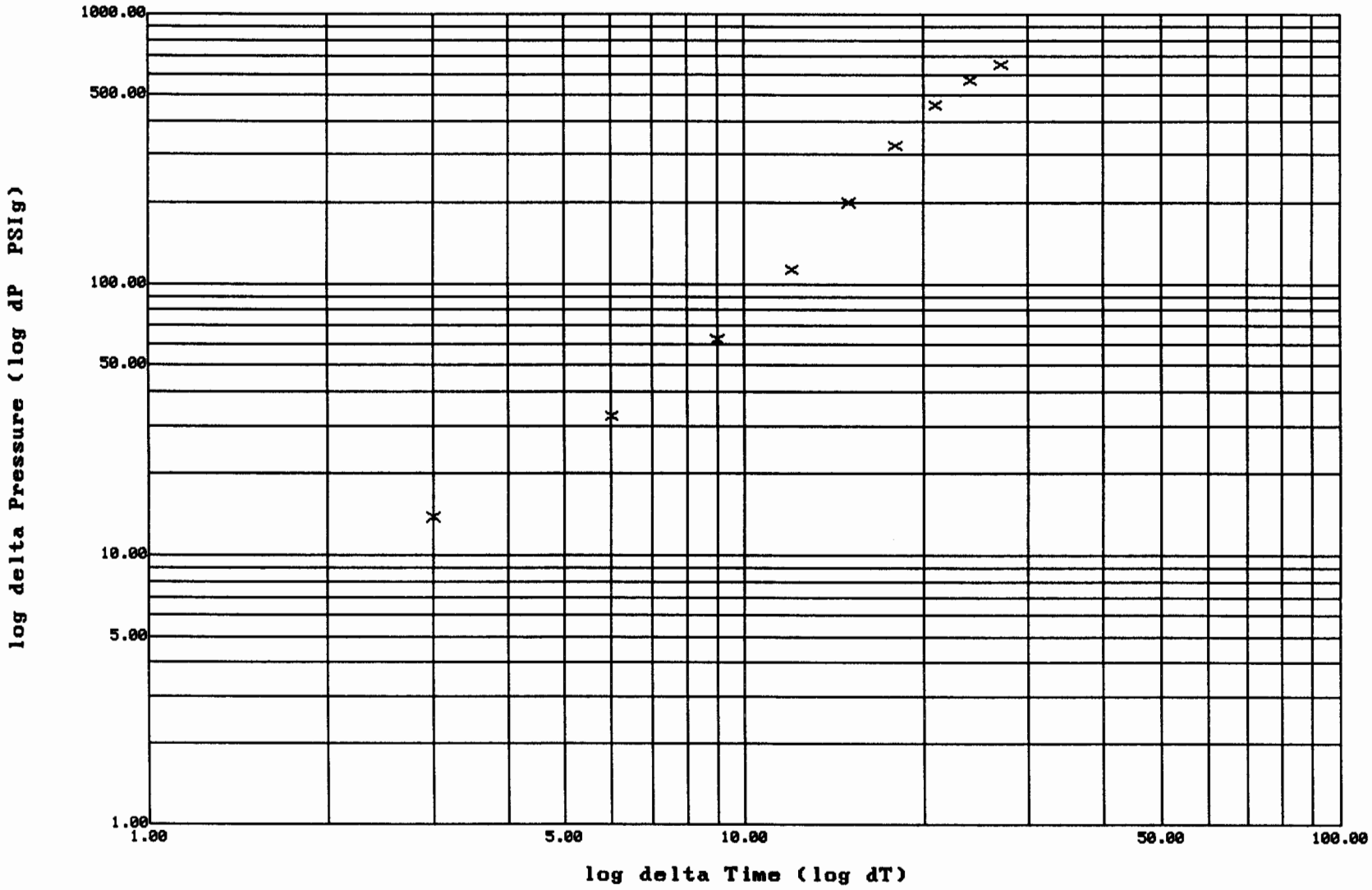
Slope: 1751.1105 PSIg/cycle

Ext. Pressure: 1269.0286 PSIg



Ramey Plot: shut-in #2

Viking Resources J.R.Ewing #5 DST #1

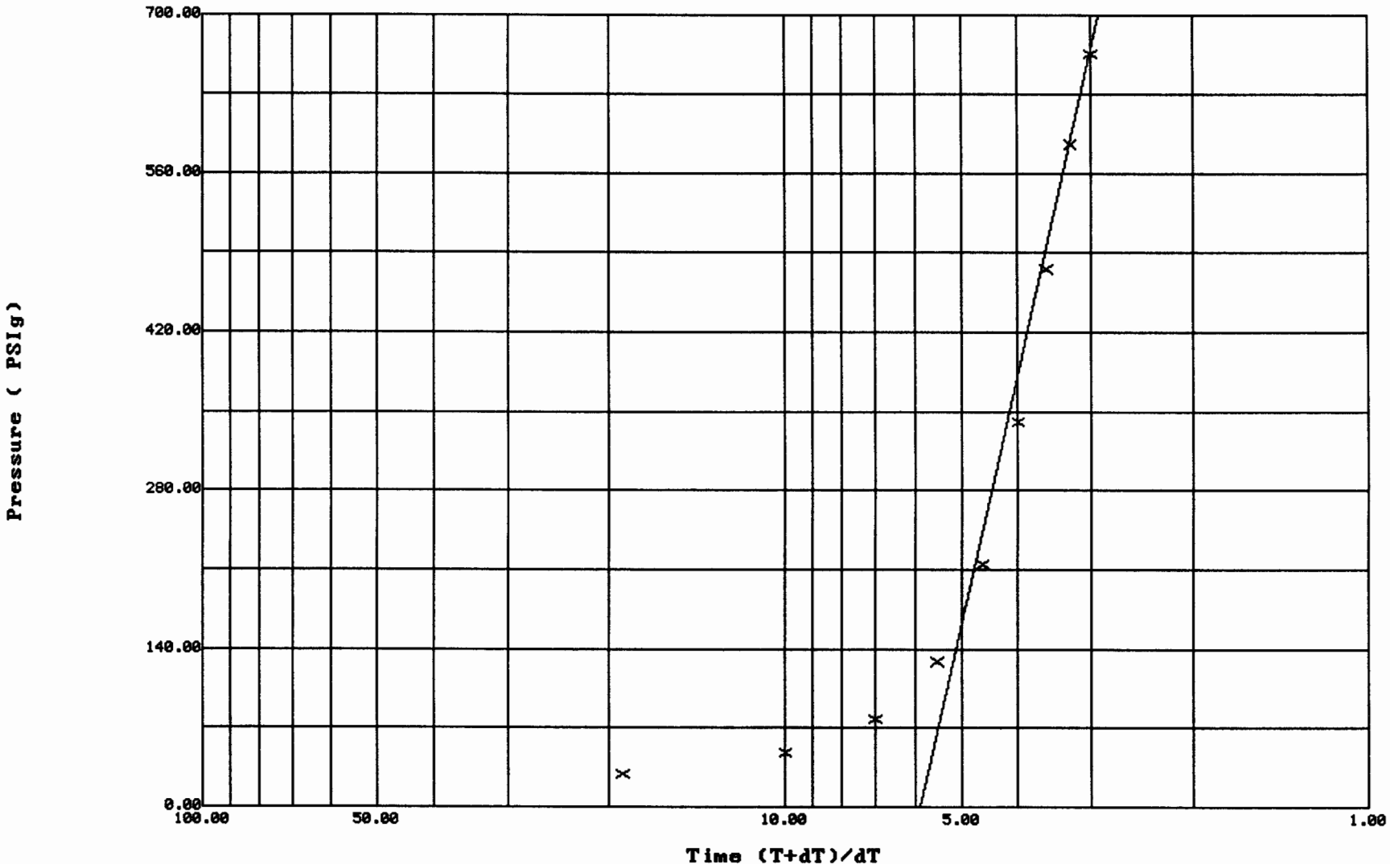


Horner Plot: shut-in #2

Viking Resources J.R.Ewing #5 DST #1

Slope: 2308.0579 PSIg/cycle

Ext. Pressure: 1766.8455 PSIg



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 7513

Well Name & No. J.R. Ewing # 5-8 Test No. #1 Date 3-23-95

Company Viking Resources Zone Tested 70' Zone K.C.

Address 105 S. Broadway Ste. 1040 Wichita KS. 67202. Elevation 2675 KB

Co. Rep./Geo. Scott A. Datsdean Cont. Abercrombie Rig #8 Est. Ft. of Pay

Location: Sec. 8 Twp. 16 S Rge. 27 W Co. Lane State KS

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

Interval Tested 4010 - 4030 Drill Pipe Size 4½ XH

Anchor Length 20' Top Choke — 1" ____ Bottom Choke — ¾" ____

Top Packer Depth 4005 Hole Size — 7⅞" ____ Rubber Size — 6¾" ____

Bottom Packer Depth 4010 Wt. Pipe I.D. — 2.7 Ft. Run 505'

Total Depth 4030 Drill Collar — 2.25 Ft. Run ____

Mud Wt. 8.6 lb / gal. Viscosity 45 Filtrate 10.4

Tool Open @ 8:16 AM Initial Blow Surface Blow build to ¾ in.

I.S.I No return Blow

Final Blow Bubble @ tool open - No Blow

F.S.I No Blow

Recovery — Total Feet 3' Feet of Gas in Pipe ____ Flush Tool? No

Rec. 3'	Feet Of Free oil	%gas 100	%oil	%water	%mud
Rec. 5'	Feet Of WOCM	%gas 5	%oil 30	%water 65	%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 4,000 ppm System

(A) Initial Hydrostatic Mud	1929 PSI	AK1 Recorder No.	11057	Range	4500
(B) First Initial Flow Pressure	33 PSI	@ (depth)	4017	w/Clock No.	22347
(C) First Final Flow Pressure	33 PSI	AK1 Recorder No.	11058	Range	4500
(D) Initial Shut-In Pressure	941 PSI	@ (depth)	4025	w/Clock No.	21048
(E) Second Initial Flow Pressure	33 PSI	AK1 Recorder No.	Electronic	Range	
(F) Second Final Flow Pressure	33 PSI	@ (depth)	4011	w/Clock No.	
(G) Final Shut-In Pressure	681 PSI	Initial Opening	30	Test	X
(H) Final Hydrostatic Mud	1906 PSI	Initial Shut-In	45	Jars	
		Final Flow	30	Safety Joint	X
		Final Shut-In	30	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 Scott A Datsdean

Our Representative Shane McBride

Printcraft Printers - Hays, KS

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name J.R. EWING #5-8 Test No. 2 Date 3/23/95

Company VIKING RESOURCES Zone KC '140'

Address 105 S BROADWAY #1040 WICHITA KS 67202 Elevation 2675

Co. Rep./Geo. SCOTT OATSDEAN Cont. ABERCROMBIE #8 Est. Ft. of Pay

Location: Sec. 8 Twp. 16S Rge. 27W Co. LANE State KS

Interval Tested 4075-4110 Drill Pipe Size 4.5" XH

Anchor Length 35 Wt. Pipe I.D. - 2.7 Ft. Run 505

Top Packer Depth 4070 Drill Collar – 2.25 Ft. Run

Bottom Packer Depth 4075 Mud Wt. 9.2 lb/Gal.

Total Depth 4110 Viscosity 47 Filtrate 11.2

Tool Open @ 9:27PM Initial Blow SURFACE BLOW BUILT TO 7-1/2 INCHES

ISI: BLED OFF BLOW - RETURN SURFACE BLOW 10 MINUTES AFTER SHUT IN- WEAK THROUGHOUT

Final Blow SURFACE BLOW BUILT TO 5 INCHES.

FSI: BLED OFF BLOW - RETURN BLOW 15 MINUTES AFTER SHUT IN-WEAK THROUGHOUT.

Recovery - Total Feet 210 300 FEET GAS IN PIPE Flush Tool? NO

Rec. 20 Feet of FREE OIL. 100% OIL.

Rec. 10 Feet of GASSY OIL CUT MUD & WTR. 10%GAS; 40%OIL; 2%WTR; 48%MUD.

Rec. 60 Feet of SLIGHT WTR OIL CUT MUD. 25%OIL; 10%WTR; 65%MUD.

Rec. 60 Feet of SLIGHT OIL CUT MUDDY WTR. 4%OIL; 46%WTR; 50%MUD.

Rec. 60 Feet of SLIGHT OIL MUD CUT WTR. 3%OIL; 66%WTR; 30%MUD.

BHT 118 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides ppm System

(A) Initial Hydrostatic Mud 1973.47 PSI AK1 Recorder No. 11057 Range 4500

(B) First Initial Flow Pressure 38.18 PSI @ (depth) 4082 w / Clock No. 22347

(C) First Final Flow Pressure 63.36 PSI AK1 Recorder No. 11058 Range 4500

(D) Initial Shut-in Pressure 661.09 PSI @ (depth) 4105 w / Clock No. 21048

(E) Second Initial Flow Pressure 85.54 PSI AK1 Recorder No. ELECTRONIC Range

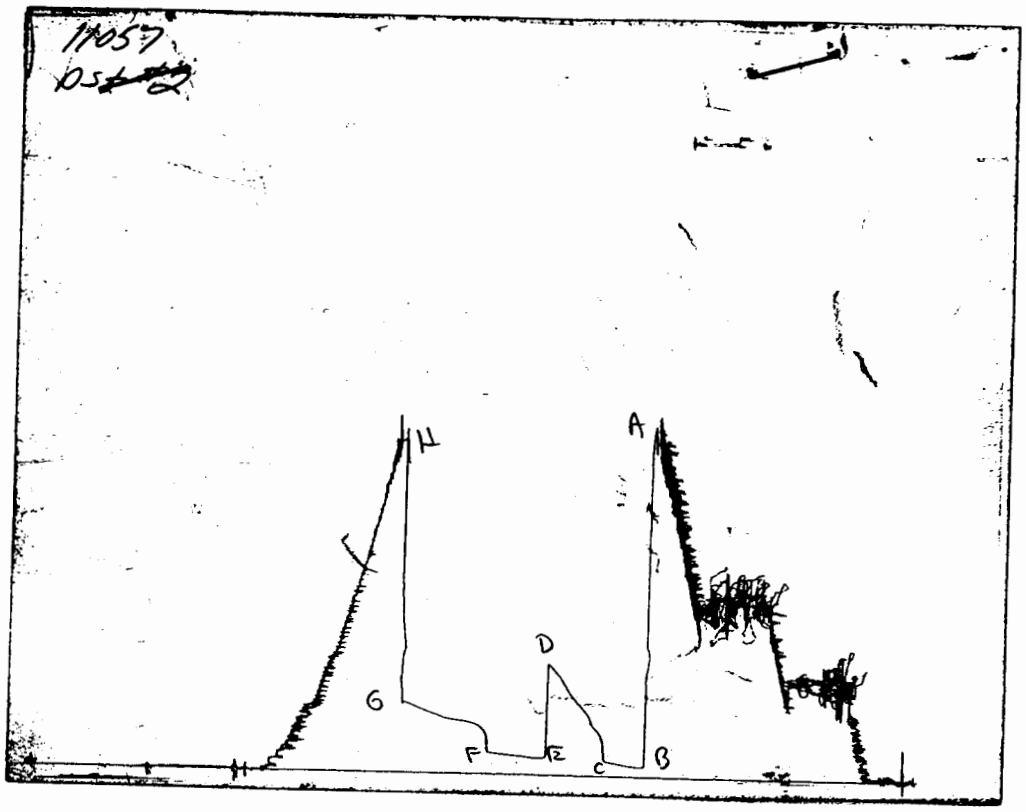
(F) Second Final Flow Pressure 111.87 PSI @ (depth) 4076 w / Clock No.

(G) Final Shut-in Pressure 417.11 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 2001.59 PSI Initial Shut-in 45 Final Shut-in 60

Our Representative SHANE MCBRIDE

CHART PAGE



This is an actual photograph of an AK1 recorder chart

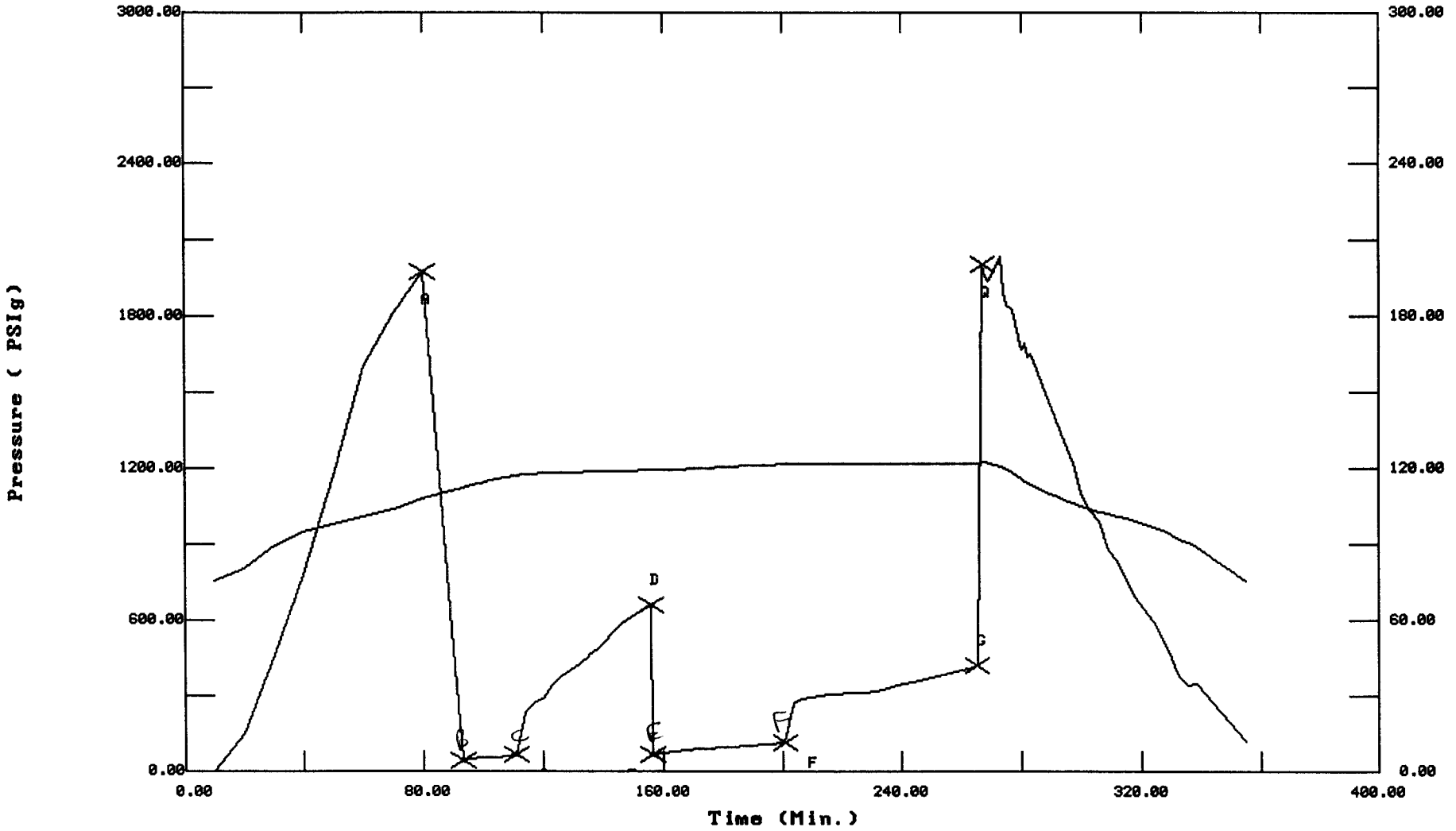
	AK1 READING	ALPINE READING
(A) INITIAL HYDROSTATIC MUD	2038.5	1973.47
(B) FIRST INITIAL FLOW PRESSURE	41.5	38.18
(C) FIRST FINAL FLOW PRESSURE	71.7	63.36
(D) INITIAL CLOSED-IN PRESSURE	641.8	661.09
(E) SECOND INITIAL FLOW PRESSURE	86.3	85.54
(F) SECOND FINAL FLOW PRESSURE	116.6	111.87
(G) FINAL CLOSED-IN PRESSURE	409.2	417.11
(H) FINAL HYDROSTATIC MUD	2001.2	2001.59

TEST HISTORY

Viking Resources J R Ewing 5-8 DST#2

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	1973.47
B:	0.00	38.18
C:	18.00	63.36
D:	45.00	661.09
E:	0.00	65.54
F:	44.50	111.87
G:	64.00	417.11
Q:	0.00	2001.59



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Viking Resources J R Ewing 5-8 DST#2

DATE: 03/23/95 TIME: 20:06:46

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	80.00	1973.5	0.0	107.78		
****** Start Flow 1	0.00	38.2	0.0	112.10		
	3.00	44.1	5.9	113.18		
	6.00	49.3	11.1	114.08		
	9.00	49.8	11.6	114.98		
	12.00	54.5	16.4	115.88		
	15.00	59.2	21.0	116.42		
****** End Flow 1	18.00	63.4	25.2	116.96		
****** Start Shutin 1	0.00	63.4	0.0	116.96	0.0000	0.004
	3.00	231.0	167.6	117.32	7.0000	0.053
	6.00	267.7	204.4	117.68	4.0000	0.072
	9.00	286.1	222.7	118.04	3.0000	0.082
	12.00	342.2	278.8	118.22	2.5000	0.117
	15.00	376.4	313.1	118.22	2.2000	0.142
	18.00	401.4	338.1	118.40	2.0000	0.161
	21.00	427.1	363.7	118.40	1.8571	0.182
	24.00	453.5	390.1	118.58	1.7500	0.206
	24.50	458.6	395.2	118.58	1.7347	0.210
	26.00	470.0	406.6	118.58	1.6923	0.221
	27.50	483.2	419.9	118.76	1.6545	0.234
	28.50	495.8	432.4	118.76	1.6316	0.246
	29.50	510.4	447.1	118.76	1.6102	0.261
	30.50	522.8	459.4	118.76	1.5902	0.273
	31.50	536.6	473.3	118.76	1.5714	0.288
	32.50	550.3	486.9	118.76	1.5538	0.303
	33.50	562.9	499.5	118.76	1.5373	0.317
	34.50	574.6	511.2	118.94	1.5217	0.330
	35.50	584.9	521.5	118.94	1.5070	0.342
	37.00	598.6	535.2	118.94	1.4865	0.358
	38.50	611.4	548.0	118.94	1.4675	0.374
	40.00	624.4	561.1	118.94	1.4500	0.390
	41.50	636.2	572.8	119.12	1.4337	0.405
	43.00	648.1	584.7	119.12	1.4186	0.420
****** End Shut-in 1	45.00	661.1	597.7	119.12	1.4000	0.437
****** Start Flow 2	0.00	65.5	0.0	119.12		
	7.00	75.8	10.2	119.30		
	16.00	85.6	20.1	119.84		
	26.50	95.8	30.3	120.74		
	32.50	101.5	35.9	120.92		
	38.50	106.7	41.2	121.10		
****** End Flow 2	44.50	111.9	46.3	121.46		
****** Start Shutin 2	0.00	111.9	0.0	121.46	0.0000	0.013
	3.00	268.5	156.6	121.64	21.8333	0.072
	6.00	283.6	171.7	121.64	11.4167	0.080
	9.00	291.6	179.8	121.82	7.9444	0.085
	12.00	297.2	185.3	121.82	6.2083	0.088
	15.00	301.5	189.6	122.00	5.1667	0.091
	18.00	304.6	192.8	122.00	4.4722	0.093
	21.00	307.7	195.8	122.00	3.9762	0.095
	27.00	312.5	200.7	122.00	3.3148	0.098
	30.00	317.8	206.0	122.00	3.0833	0.101

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

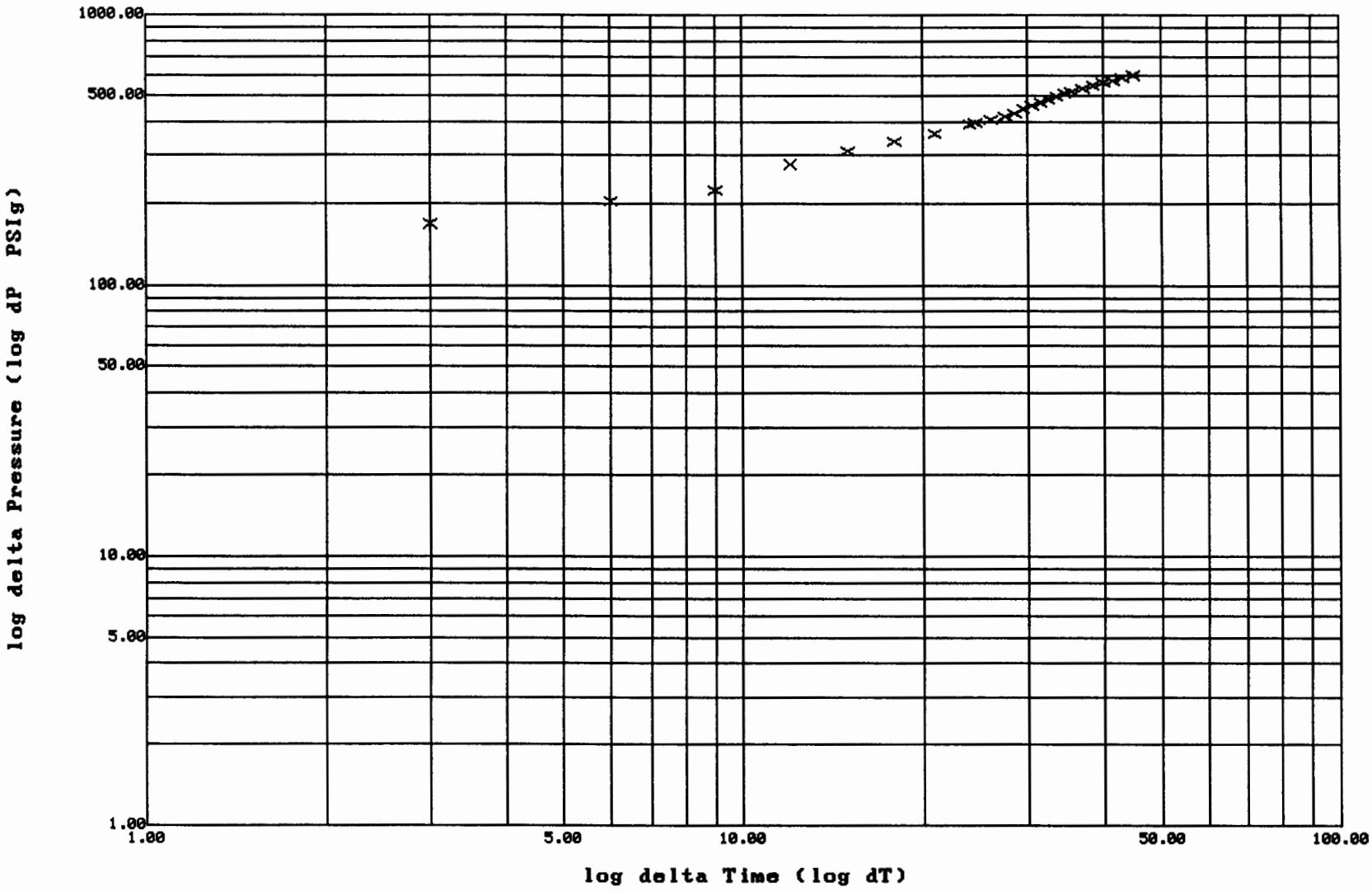
TEST: Viking Resources J R Ewing 5-8 DST#2

DATE: 03/23/95 TIME: 20:06:46

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	33.00	324.0	212.1	121.82	2.8939	0.105
	36.00	332.2	220.3	121.82	2.7361	0.110
	40.00	344.9	233.0	121.82	2.5625	0.119
	45.00	357.0	245.2	122.00	2.3889	0.127
	49.00	368.1	256.2	122.00	2.2755	0.135
	53.00	380.9	269.0	122.00	2.1792	0.145
	57.00	394.4	282.5	122.00	2.0965	0.156
	61.00	406.4	294.5	122.00	2.0246	0.165
****** End Shut-in 2	64.00	417.1	305.2	122.00	1.9766	0.174
****** Final Hydro.	267.00	2001.6	0.0	122.18		

Ramey Plot: shut-in #1

Viking Resources J R Ewing 5-8 DST#2

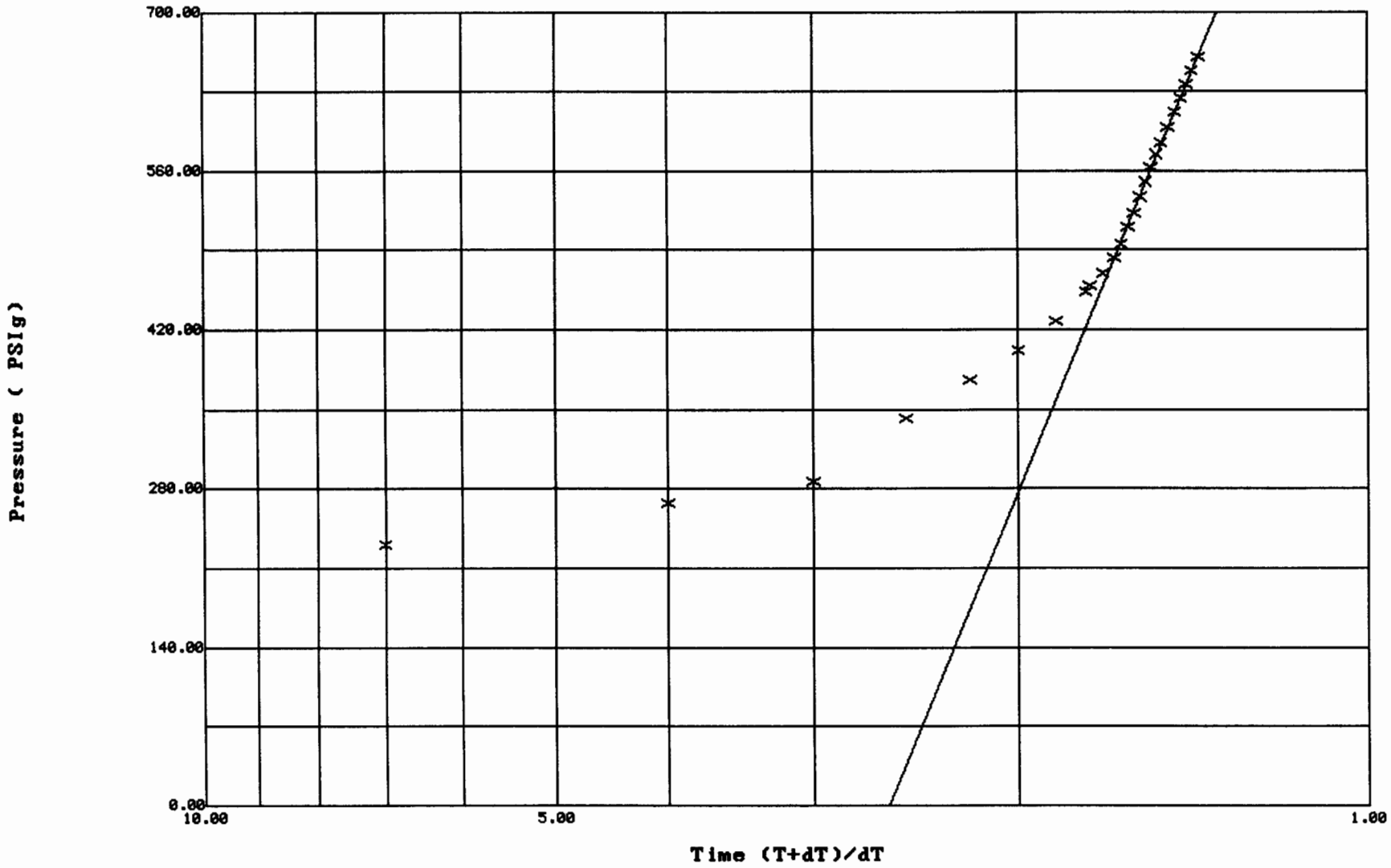


Horner Plot: shut-in #1

Viking Resources J R Ewing 5-8 DST#2

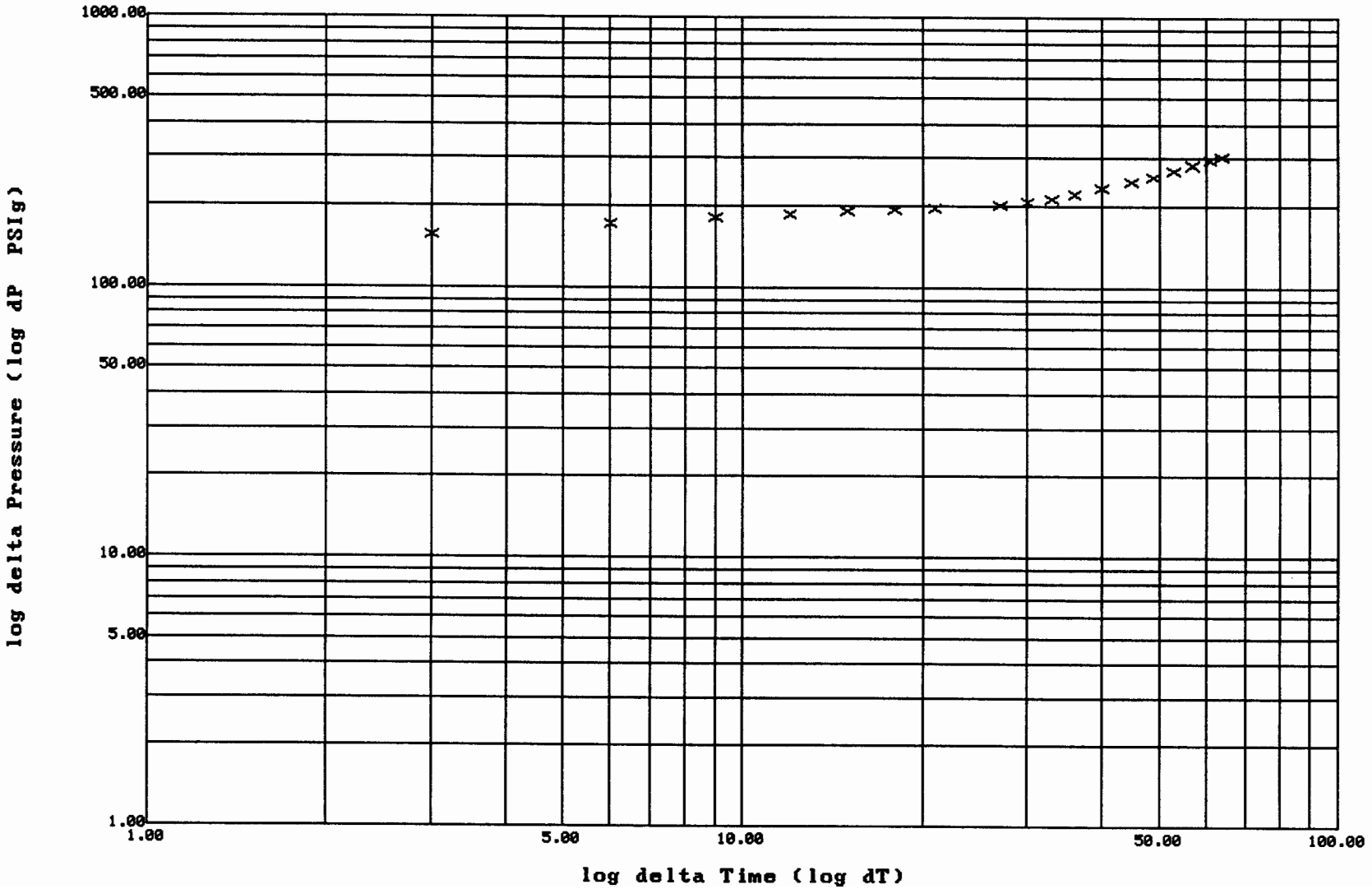
Slope: 2488.1321 PSIg/cycle

Ext. Pressure: 1026.1060 PSIg



Ramey Plot: shut-in #2

Viking Resources J R Ewing 5-8 DST#2

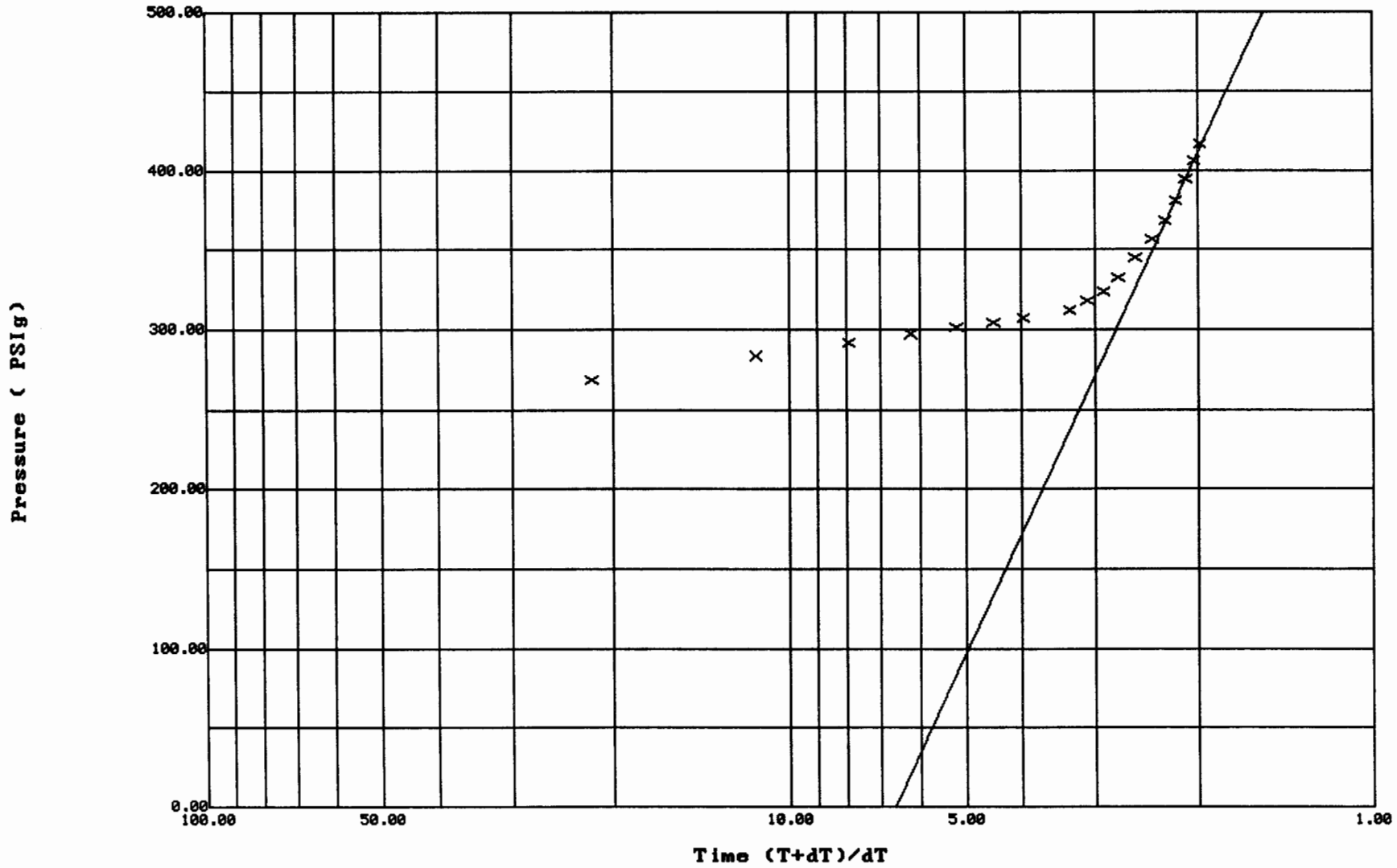


Horner Plot: shut-in #2

Viking Resources J R Ewing 5-8 DST#2

Slope: 795.4863 PSIg/cycle

Ext. Pressure: 650.9596 PSIg



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 7514

Well Name & No. J.R. Ewing #5-8 Test No. #2 Date 3-23-95

Company Viking Resources Zone Tested KC 140

Address 155 S Broadway Ste. 1040 Wichita, KS 67202 Elevation 2675 (KB)

Co. Rep./Geo. Scott Oatsdean Cont. Abercrombie Rig #8 Est. Ft. of Pay

Location: Sec. 8 Twp. 16S Rge. 27W Co. LANE State KS

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

Interval Tested 4075' - 4110' Drill Pipe Size 4½ XH

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

Top Packer Depth 4070' Hole Size — 7⅞" ____ Rubber Size — 6¾" ____

Bottom Packer Depth 4075' Wt. Pipe I.D. — 2.7 Ft. Run 505'

Total Depth 4110 Drill Collar — 2.25 Ft. Run ____

Mud Wt. 9.2 lb / gal. Viscosity 47 Filtrate 11.2

Tool Open @ 9:27 pm Initial Blow Surface Blow Build to 7½" in

F.S.I Bleed off Blow (3 min) — return Surface Blow 10 min after shut in weak throughout

Final Blow Surface Blow Built to 5" IN.

F.S.I Bleed off Blow (3 min) — return Blow 15 min after shut in weak throughout

Recovery — Total Feet 210' Feet of Gas in Pipe 300' Flush Tool? No

Rec. 20'	Feet Of	Free oil	%gas		%oil 100	%water		%mud	
Rec. 10'	Feet Of	GOCM ⅓ w	%gas 10		%oil 40	%water 2		%mud 48	
Rec. 60'	Feet Of	SWOCM	%gas		%oil 25	%water 10		%mud 65	
Rec. 60'	Feet Of	SOCMW	%gas	4	%oil	46	%water	50	%mud
Rec. 60'	Feet Of	SOMCW	%gas	3	%oil	66	%water	30	%mud

BHT 118 °F Gravity ____ °API @ ____ °F Corrected Gravity ____ °API

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

(A) Initial Hydrostatic Mud	1973 PSI	AK1 Recorder No.	11057	Range	4500
(B) First Initial Flow Pressure	38 PSI	@ (depth)	4082	w/Clock No.	22347
(C) First Final Flow Pressure	63 PSI	AK1 Recorder No.	11058	Range	4500
(D) Initial Shut-In Pressure	661 PSI	@ (depth)	4105	w/Clock No.	21048
(E) Second Initial Flow Pressure	65 PSI	AK1 Recorder No.	Electronic	Range	
(F) Second Final Flow Pressure	111 PSI	@ (depth)	4076	w/Clock No.	
(G) Final Shut-In Pressure	417 PSI	Initial Opening	30	Test	X
(H) Final Hydrostatic Mud	2001 PSI	Initial Shut-In	45	Jars	
		Final Flow	45	Safety Joint	X
		Final Shut-In	60	Straddle	
				Circ. Sub	X X/C
				Sampler	
				Extra Packer	
				Other	
				TOTAL PRICE $	

Approved By Scott A. Oatsdean

Our Representative Shane McBride

Printcraft Printers - Hays, KS

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name J.R. EWING #5-8 Test No. 3 Date 3/24/95

Company VIKING RESOURCES Zone KC '160'

Address 105 S BROADWAY #1040 WICHITA KS 67202 Elevation 2675

Co. Rep./Geo. SCOTT OATSDEAN Cont. ABERCROMBIE #8 Est. Ft. of Pay

Location: Sec. 8 Twp. 16S Rge. 27W Co. LANE State KS

Interval Tested 4110-4150 Drill Pipe Size 4.5" XH

Anchor Length 40 Wt. Pipe I.D. - 2.7 Ft. Run 505

Top Packer Depth 4105 Drill Collar – 2.25 Ft. Run

Bottom Packer Depth 4110 Mud Wt. 9.3 lb/Gal.

Total Depth 4150 Viscosity 57 Filtrate 12.8

Tool Open @ 1:26PM Initial Blow SURFACE BLOW BUILD TO BOTTOM OF BUCKET IN 5 MINUTES.

ISI: BLED OFF BLOW 6 MINUTES. RETURN BLOW IN 3 MINUTES-BUILD TO 2 INCHES.

Final Blow 2 INCH BLOW AT TOOL OPEN, BUILD TO BOTTOM OF BUCKET IN 13 MINUTES.

FSI: BLED OFF BLOW 6 MINUTES, RETURN BLOW IN 5 MINUTES-BUILD TO 5-1/2 INCH.

Recovery - Total Feet 575 Flush Tool? NO

Rec. 695 Feet of GAS IN PIPE

Rec. 95 Feet of GASSY OIL. 5% GAS; 95% OIL.

Rec. 180 Feet of GASSY OIL CUT MUD. 30% GAS; 35% OIL; 5% MUD.

Rec. 100 Feet of GASSY OIL CUT MUDDY WTR. 10%GAS; 20%OIL; 50% WTR; 20% MUD.

Rec. 200 Feet of GASSY MUDDY WATER. 5% GAS; 75% WATER; 20% MUD.

BHT 124 °F Gravity 41.5 °API @ 60 °F Corrected Gravity 41.5 API

RW 0.1 @ 65 °F Chlorides 80,000 ppm Recovery Chlorides 6,500 ppm System

(A) Initial Hydrostatic Mud 1945.44 PSI AK1 Recorder No. 11057 Range 4500

(B) First Initial Flow Pressure 51.19 PSI @ (depth) 4122 w / Clock No. 22347

(C) First Final Flow Pressure 137.97 PSI AK1 Recorder No. 11058 Range 4500

(D) Initial Shut-in Pressure 1065.54 PSI @ (depth) 4125 w / Clock No. 21048

(E) Second Initial Flow Pressure 153.41 PSI AK1 Recorder No. ELECTRONIC Range

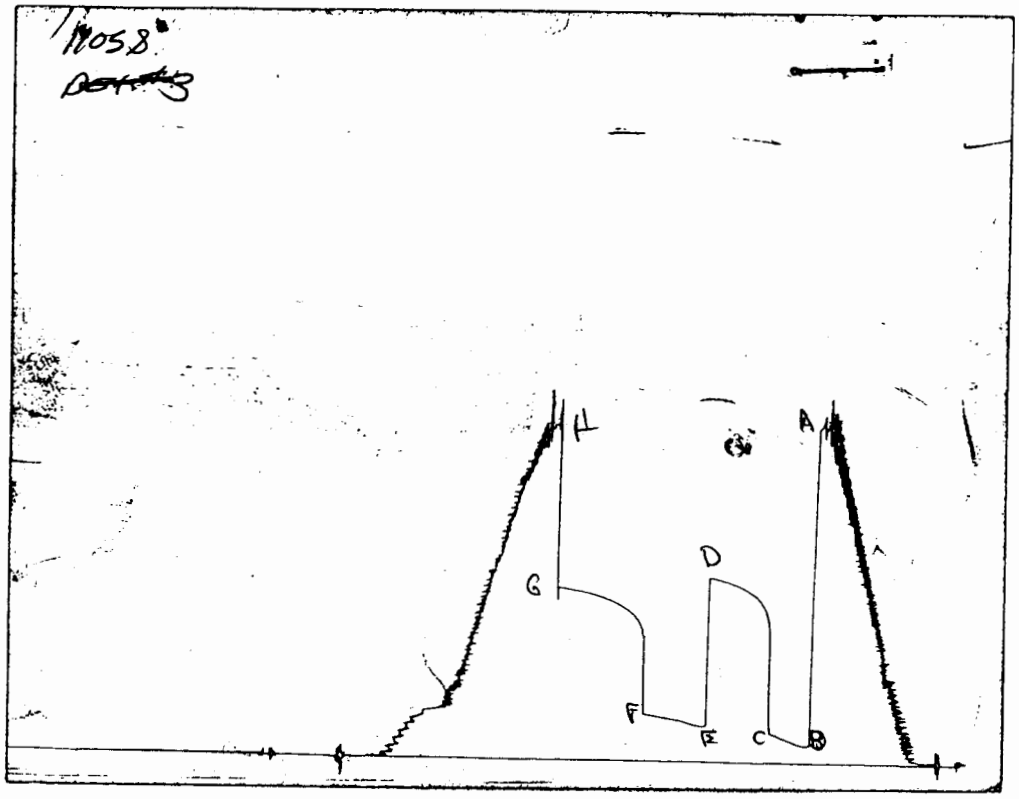
(F) Second Final Flow Pressure 248.08 PSI @ (depth) 4111 w / Clock No.

(G) Final Shut-in Pressure 1005.03 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 1969.86 PSI Initial Shut-in 45 Final Shut-in 60

Our Representative SHANE MCBRIDE

CHART PAGE



This is an actual photograph of an AK1 recorder chart

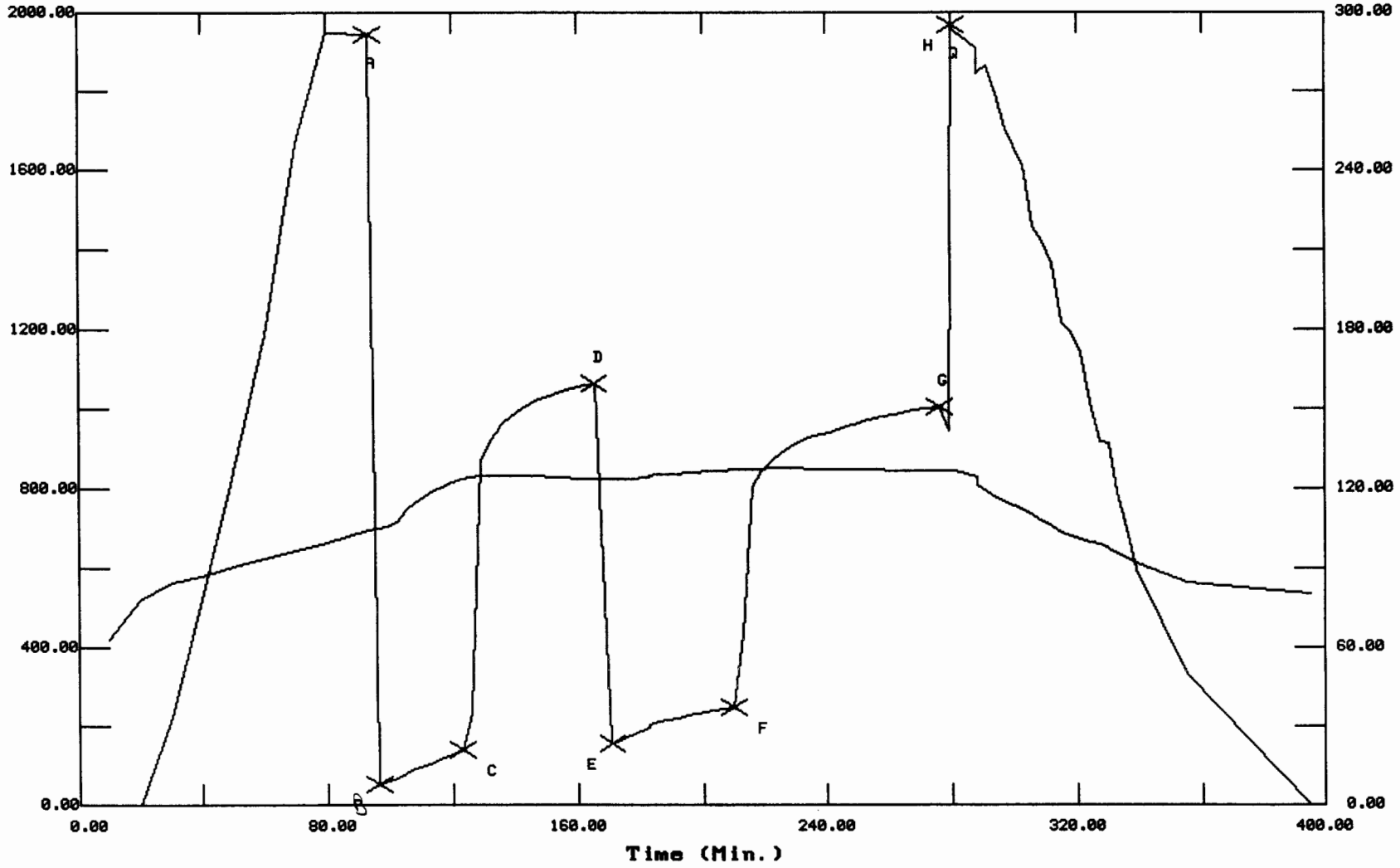
	AK1 READING	ALPINE READING
(A) INITIAL HYDROSTATIC MUD	1949.9	1945.44
(B) FIRST INITIAL FLOW PRESSURE	86.7	51.19
(C) FIRST FINAL FLOW PRESSURE	158.9	137.97
(D) INITIAL CLOSED-IN PRESSURE	1073.4	1065.54
(E) SECOND INITIAL FLOW PRESSURE	197.8	153.41
(F) SECOND FINAL FLOW PRESSURE	260	248.08
(G) FINAL CLOSED-IN PRESSURE	1116.7	1005.03
(H) FINAL HYDROSTATIC MUD	2104.3	1969.86

TEST HISTORY

Viking Resources J.R. Ewing #5-8 DST#3

Flag Points

	t(Min.)	P(PSIg)		t(Min.)	P(PSIg)
A:	0.00	1945.44	Q:	0.00	1969.86
B:	0.00	51.19			
C:	27.00	137.97			
D:	42.50	1065.54			
E:	0.00	153.41			
F:	39.00	248.08			
G:	66.00	1005.03			
H:	0.00	1969.86			



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Viking Resources J.R. Ewing #5-8 DST#3

DATE: 03/24/95 TIME: 11:53:49

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	93.00	1945.4	0.0	104.54		
****** Start Flow 1	0.00	51.2	0.0	104.72		
	3.00	58.8	7.6	105.26		
	6.00	66.3	15.1	107.60		
	9.00	79.6	28.5	111.38		
	12.00	91.7	40.5	114.62		
	15.00	98.2	47.0	116.96		
	18.00	107.8	56.7	119.12		
	21.00	117.2	66.0	120.74		
	24.00	128.1	77.0	122.18		
****** End Flow 1	27.00	138.0	86.8	123.26		
****** Start Shutin 1	0.00	138.0	0.0	123.26	0.0000	0.019
	3.00	235.4	97.4	123.98	10.0000	0.055
	6.00	868.3	730.3	124.52	5.5000	0.754
	9.00	919.7	781.7	124.88	4.0000	0.846
	12.00	950.6	812.7	124.88	3.2500	0.904
	12.50	955.0	817.0	124.88	3.1600	0.912
	14.00	966.5	828.5	124.88	2.9286	0.934
	15.50	976.8	838.9	124.88	2.7419	0.954
	17.50	989.0	851.0	124.88	2.5429	0.978
	19.50	999.8	861.9	124.70	2.3846	1.00
	22.00	1011.5	873.5	124.52	2.2273	1.023
	25.00	1023.2	885.3	124.52	2.0800	1.047
	28.00	1033.3	895.3	124.34	1.9643	1.068
	32.00	1044.3	906.3	123.98	1.8438	1.091
	37.00	1055.2	917.2	123.80	1.7297	1.113
****** End Shut-in 1	42.50	1065.5	927.6	123.62	1.6353	1.135
****** Start Flow 2	0.00	153.4	0.0	123.26		
	3.00	164.4	11.0	123.26		
	6.00	175.2	21.8	123.44		
	12.00	195.3	41.9	124.34		
	12.00	204.4	50.9	124.70		
	15.00	210.9	57.5	125.06		
	18.00	215.3	61.9	125.24		
	21.00	220.1	66.7	125.60		
	24.00	225.1	71.7	125.78		
	27.00	230.0	76.6	126.14		
	30.00	234.7	81.3	126.32		
	33.00	239.4	86.0	126.50		
	36.00	243.6	90.2	126.68		
****** End Flow 2	39.00	248.1	94.7	126.86		
****** Start Shutin 2	0.00	248.1	0.0	126.86	0.0000	0.062
	3.00	431.3	183.2	127.04	23.0000	0.186
	6.00	801.9	553.8	127.22	12.0000	0.643
	9.00	842.5	594.4	127.40	8.3333	0.710
	12.00	868.1	620.0	127.58	6.5000	0.754
	15.00	887.5	639.4	127.76	5.4000	0.788
	18.00	903.1	655.0	127.58	4.6667	0.816
	21.00	916.3	668.2	127.58	4.1429	0.840
	24.00	927.7	679.6	127.40	3.7500	0.861
	31.00	940.7	692.6	127.40	3.1290	0.885

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

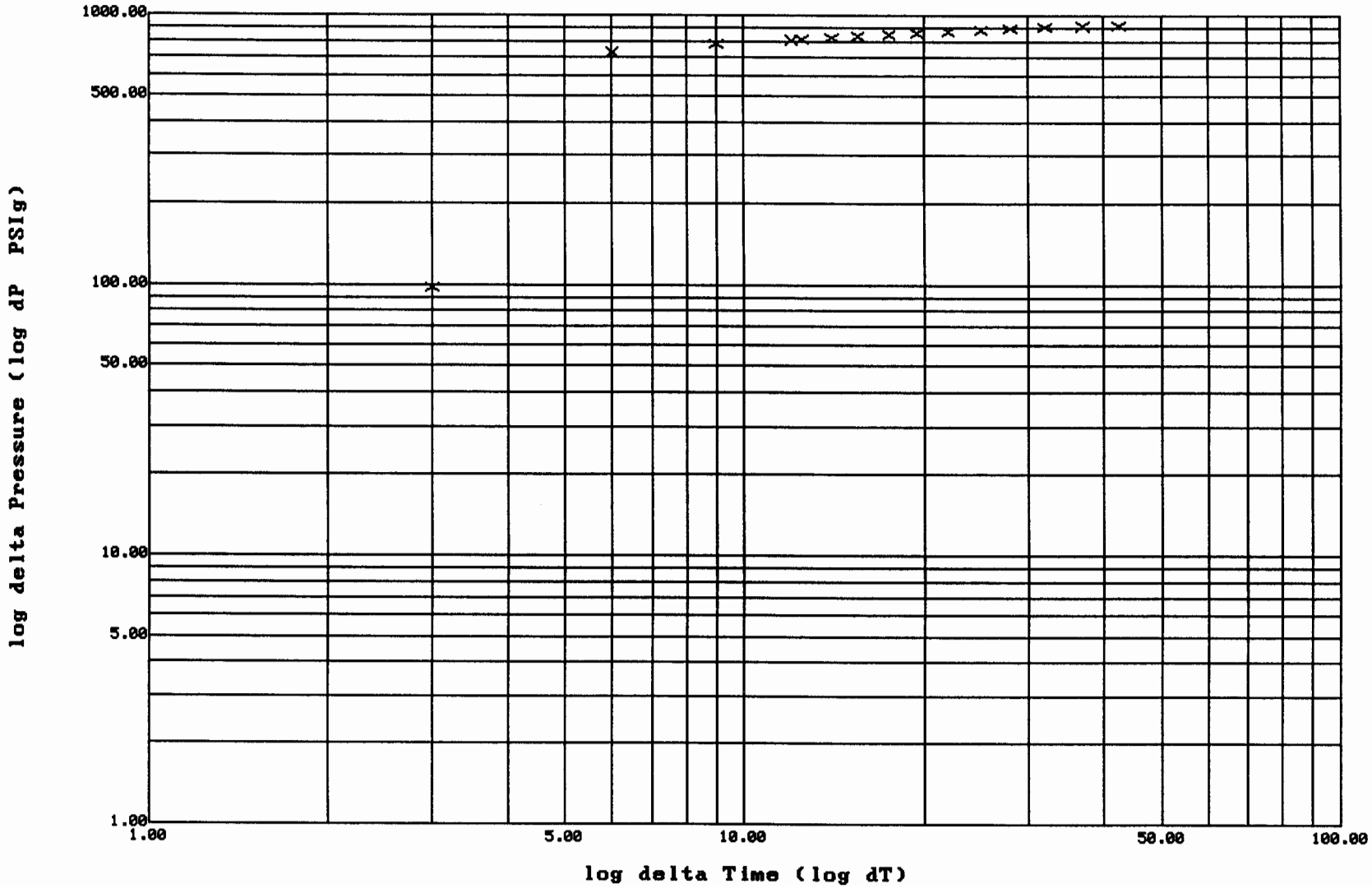
TEST: Viking Resources J.R. Ewing #5-8 DST#3

DATE: 03/24/95 TIME: 11:53:49

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	35.00	952.0	703.9	127.22	2.8857	0.906
	40.00	963.7	715.7	127.04	2.6500	0.929
	45.00	973.8	725.7	126.86	2.4667	0.948
	51.00	984.3	736.2	126.68	2.2941	0.969
	58.00	994.9	746.8	126.50	2.1379	0.990
****** End Shut-in 2	66.00	1005.0	756.9	126.32	2.0000	1.010
****** Start Flow 3	0.00	1969.9	0.0	126.32		
****** End Flow 3	1.00	1951.5	-18.4	126.32		
****** End Shut-in 3	1.00	1951.5	0.0	126.32	67.0000	3.808
****** Final Hydro.	281.00	1951.5	0.0	126.32		

Ramey Plot: shut-in #1

Viking Resources J.R. Ewing #5-8 DST#3

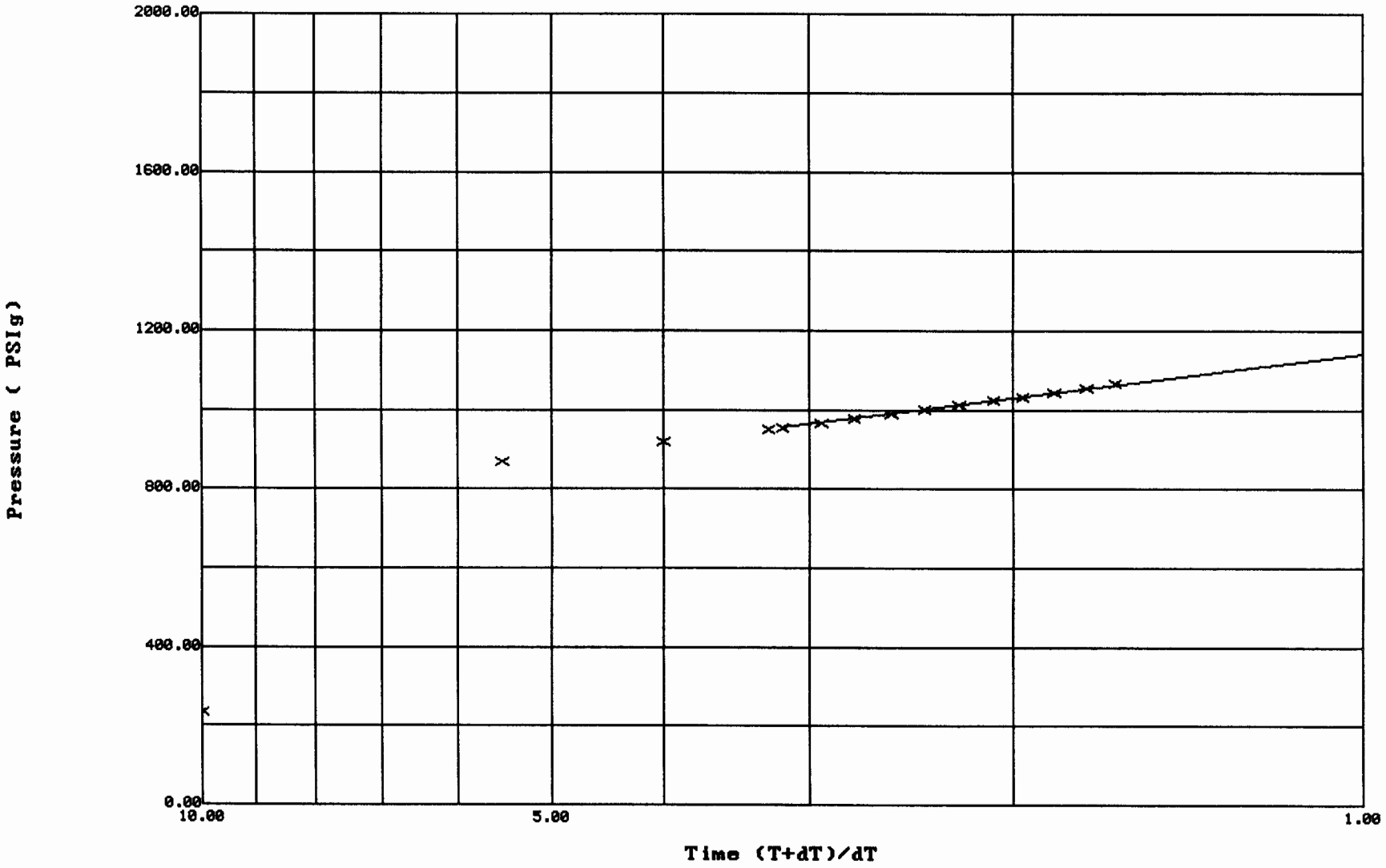


Horner Plot: shut-in #1

Viking Resources J.R. Ewing #5-8 DST#3

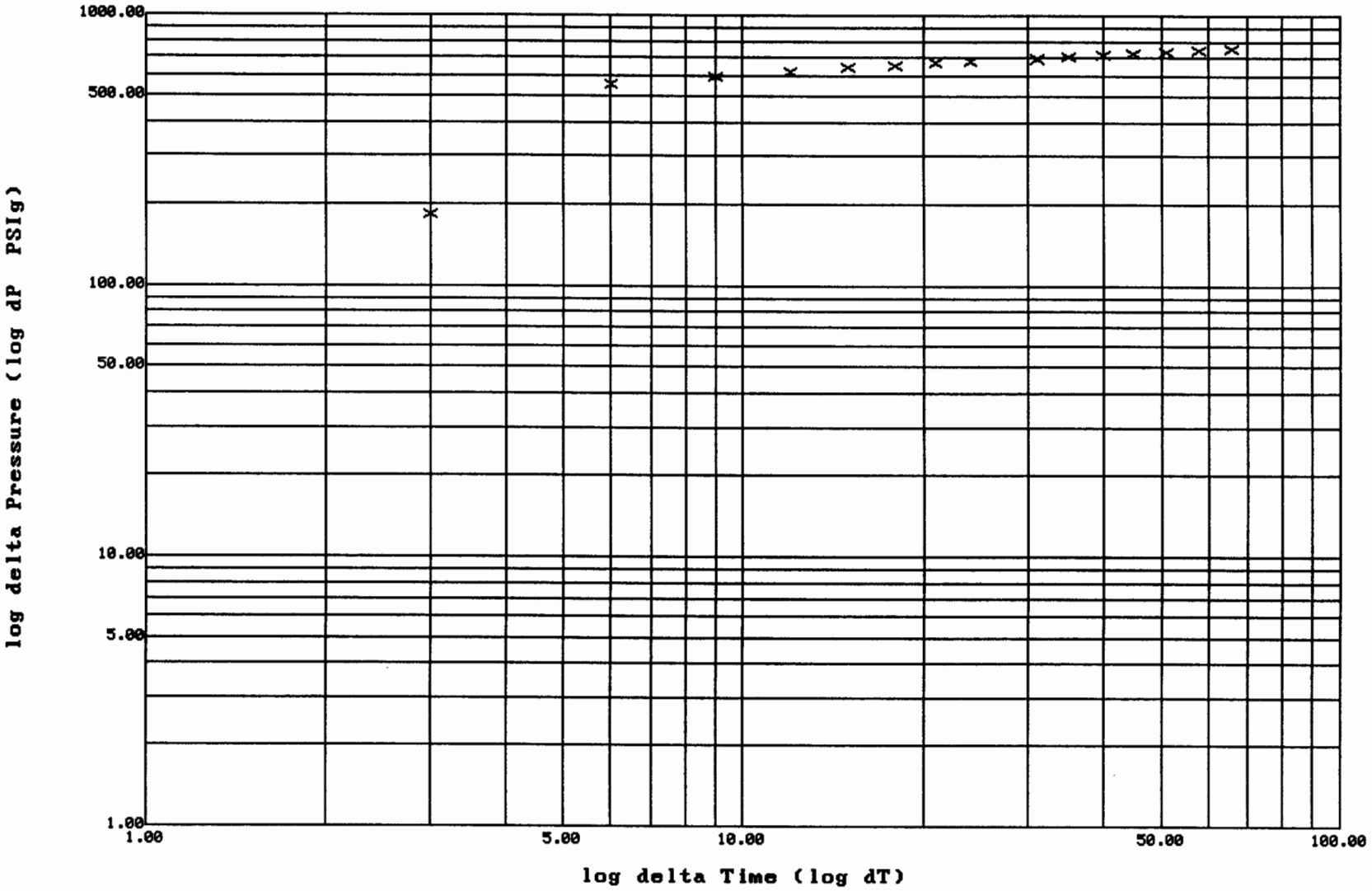
Slope: 373.4153 PSIg/cycle

Ext. Pressure: 1142.4271 PSIg



Ramey Plot: shut-in #2

Viking Resources J.R. Ewing #5-8 DST#3

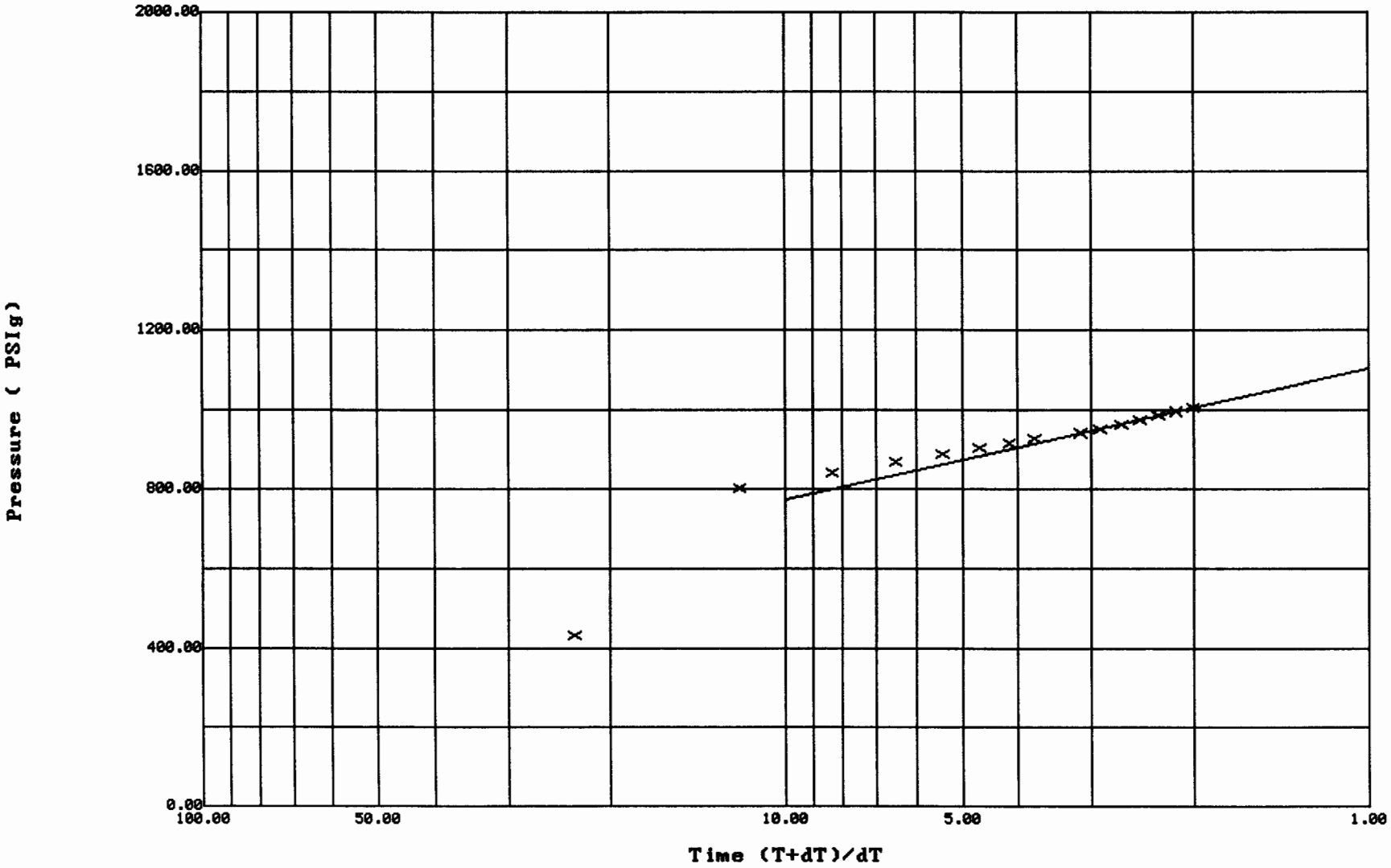


Horner Plot: shut-in #2

Viking Resources J.R. Ewing #5-8 DST#3

Slope: 330.1769 PSIg/cycle

Ext. Pressure: 1103.7917 PSIg



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 7515

Well Name & No. J.R. Ewing #5-8 Test No. #3 Date 3-24-95

Company Viking Resources Zone Tested KC 160

Address 1655 Broadway Ste. 1040 Wichita, Ks 67202 Elevation 2675 (KB)

Co. Rep./Geo. Scott Oatsdean Cont. Abercrombie Rig #8 Est. Ft. of Pay

Location: Sec. 8 Twp. 16S Rge. 27W Co. LANE State Ks

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

Interval Tested 4110' – 4150' Drill Pipe Size 4½ XH

Anchor Length 40' Top Choke — 1" ____ Bottom Choke — ¾" ____

Top Packer Depth 4105' Hole Size — 7⅞" ____ Rubber Size — 6¾" ____

Bottom Packer Depth 4110' Wt. Pipe I.D. — 2.7 Ft. Run 505'

Total Depth 4150' Drill Collar — 2.25 Ft. Run ____

Mud Wt. 9.3 lb / gal. Viscosity 57 Filtrate 12.8

Tool Open @ 1:26 pm Initial Blow Surface Blow Built to Bottom of Bucket 5 min. I.S.I. Bleed off Blow 6 min, return Blow in 3 min Build to 2" in.

Final Blow 2" in. Blow @ tool open Build to Bottom of Bucket in 13 min F.S.I. Bleed off Blow 6 min, return Blow in 5 min. Build to 5½ in

Recovery — Total Feet 575' Feet of Gas in Pipe 695' Flush Tool? NO

Rec. 95'	Feet Of GO	5 %gas	95 %oil	%water	%mud	
Rec. 180'	Feet Of GOCM	30 %gas	35 %oil	%water	5 %mud	
Rec. 100'	Feet Of GOCMW	10 %gas	20 %oil	50 %water	20 %mud	
Rec. 200'	Feet Of GMW	5 %gas	%oil	75 %water	20 %mud	
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud	

BHT 124 °F Gravity 41.5 °API @ 60 °F Corrected Gravity 41.5 °API

RW .1 @ 65 °F Chlorides 80,000 ppm Recovery Chlorides 6500 ppm System

(A) Initial Hydrostatic Mud	1945 PSI	AK1 Recorder No.	11057	Range	4500
(B) First Initial Flow Pressure	51 PSI	@ (depth)	4122'	w/Clock No.	22347
(C) First Final Flow Pressure	137 PSI	AK1 Recorder No.	11058	Range	4500
(D) Initial Shut-In Pressure	1065 PSI	@ (depth)	4145'	w/Clock No.	21048
(E) Second Initial Flow Pressure	153 PSI	AK1 Recorder No.	Electronic	Range	
(F) Second Final Flow Pressure	248 PSI	@ (depth)	4111'	w/Clock No.	
(G) Final Shut-In Pressure	1005 PSI	Initial Opening	30	Test	X
(H) Final Hydrostatic Mud	1969 PSI	Initial Shut-In	45	Jars	
		Final Flow	45	Safety Joint	X
		Final Shut-In	60	Straddle	
				Circ. Sub	X N/C
				Sampler	
				Extra Packer	
				Other	
				TOTAL PRICE $	

Approved By Scott A Oatsdean

Our Representative Shane McGinnis

Printcraft Printers - Hays, KS

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name J.R. EWING #5-8 Test No. 4 Date 3/25/95

Company VIKING RESOURCES Zone KC 200

Address 105 S BROADWAY #1040 WICHITA KS 67202 Elevation 2675

Co. Rep./Geo. SCOTT OATSDEAN Cont. ABERCROMBIE #8 Est. Ft. of Pay

Location: Sec. 8 Twp. 16S Rge. 27W Co. LANE State KS

Interval Tested 4180-4200 Drill Pipe Size 4.5" XH

Anchor Length 20 Wt. Pipe I.D. - 2.7 Ft. Run 505

Top Packer Depth 4175 Drill Collar -- 2.25 Ft. Run

Bottom Packer Depth 4180 Mud Wt. 9.3 lb/Gal.

Total Depth 4200 Viscosity 46 Filtrate 12.8

Tool Open @ 6:47AM Initial Blow SURFACE BLOW TO BOTTOM OF BUCKET IN 2-1/2 MINUTES.

ISI: 6 MINUTED BLED OFF, BOTTOM OF BUCKET IN 11-1/2 MINUTES AFTER BLED OFF.

Final Blow BOTTOM OF BUCKET AT OPEN.

FSI: BLED OFF BLOW 3 MINUTES RETURN BLOW BUILD TO BOTTOM OF BUCKET IN 11 MINUTES.

Recovery - Total Feet 570 Flush Tool? NO

Rec. 2310 Feet of GAS IN PIPE

Rec. 390 Feet of CLEAN GASSY OIL. 30%GAS; 70%OIL.

Rec. 60 Feet of GASSY OIL CUT MUD & WTR. 59%GAS; 24%OIL; 2%WTR; 15% MUD.

Rec. 60 Feet of GASSY OIL CUT WATERY MUD. 44%GAS; 30%OIL; 10% WTR; 16%MUD

Rec. 60 Feet of GASSY WTR OIL CUT MUD. 24%GAS; 10%OIL; 15% WTR; 51%MUD

BHT 124 °F Gravity 39 °API @ 70 °F Corrected Gravity 38 API

RW 0.12 @ 70 °F Chlorides 69000 ppm Recovery Chlorides 7000 ppm System

(A) Initial Hydrostatic Mud 1975.82 PSI AK1 Recorder No. 11057 Range 4500

(B) First Initial Flow Pressure 36.50 PSI @ (depth) 4187 w / Clock No. 22347

(C) First Final Flow Pressure 132.60 PSI AK1 Recorder No. 11058 Range 4500

(D) Initial Shut-in Pressure 465.79 PSI @ (depth) 4195 w / Clock No. 21048

(E) Second Initial Flow Pressure 137.55 PSI AK1 Recorder No. ELECTRONIC Range

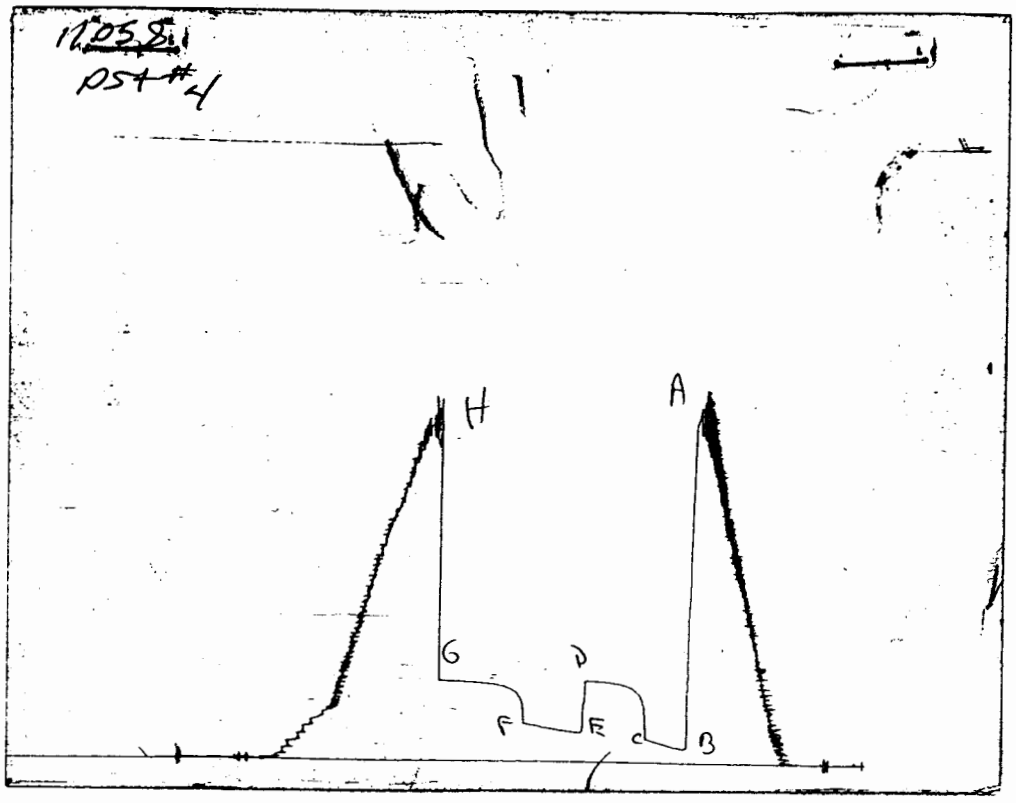
(F) Second Final Flow Pressure 210.90 PSI @ (depth) 4181 w / Clock No.

(G) Final Shut-in Pressure 465.37 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 2006.96 PSI Initial Shut-in 45 Final Shut-in 60

Our Representative SHANE MCBRIDE

CHART PAGE



This is an actual photograph of an AK1 recorder chart

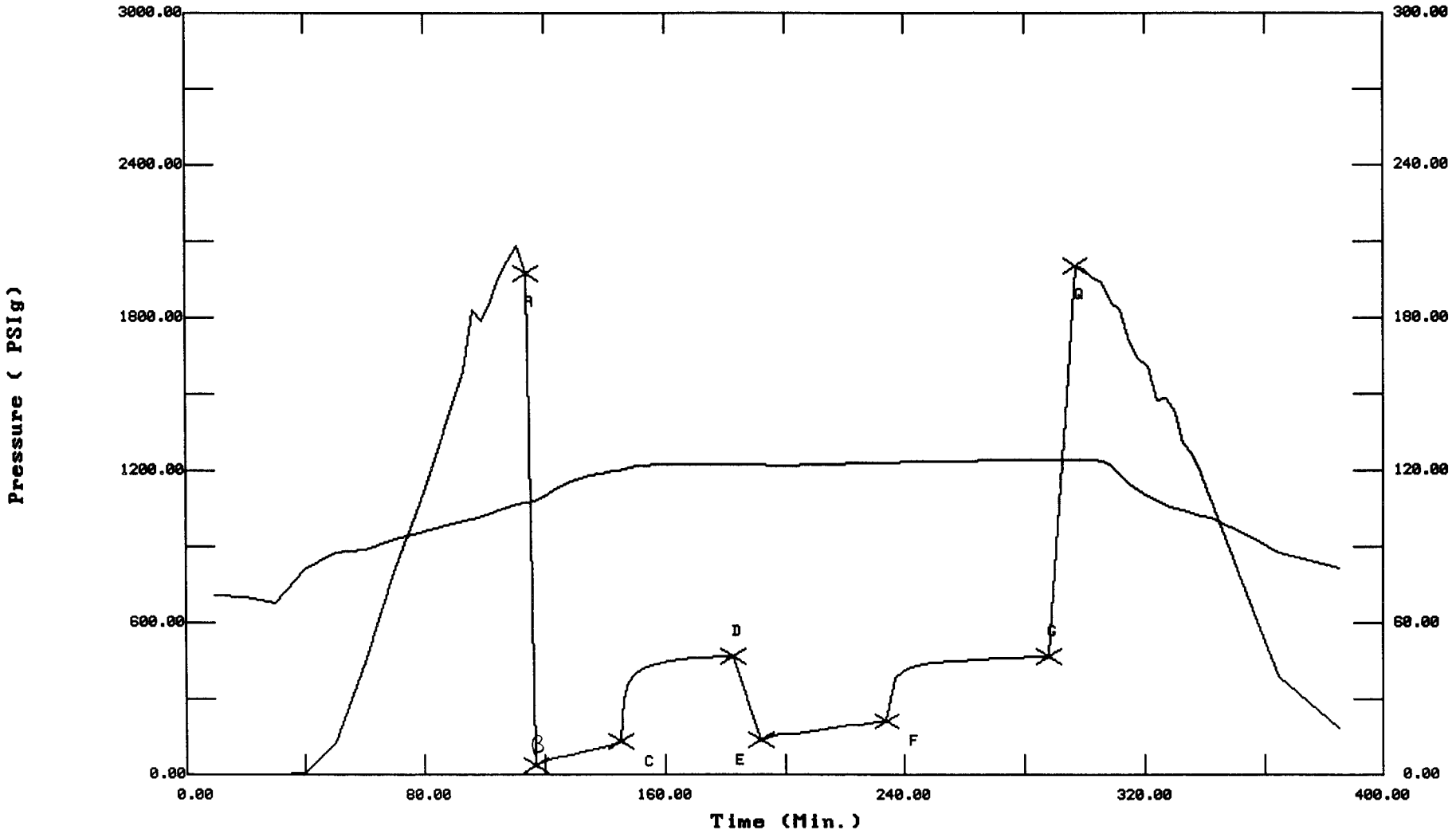
	AK1 READING	ALPINE READING
(A) INITIAL HYDROSTATIC MUD	2020.2	1975.82
(B) FIRST INITIAL FLOW PRESSURE	81.1	36.50
(C) FIRST FINAL FLOW PRESSURE	138.9	132.60
(D) INITIAL CLOSED-IN PRESSURE	473.6	465.79
(E) SECOND INITIAL FLOW PRESSURE	170	137.55
(F) SECOND FINAL FLOW PRESSURE	221.1	210.90
(G) FINAL CLOSED-IN PRESSURE	468	465.37
(H) FINAL HYDROSTATIC MUD	2020.2	2006.96

TEST HISTORY

Viking Resources J.R. Ewing #5-8 DST#4

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	1975.82
B:	0.00	36.50
C:	28.50	132.60
D:	37.50	465.79
E:	0.00	137.55
F:	42.00	210.90
G:	54.00	465.37
Q:	0.00	2006.96



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

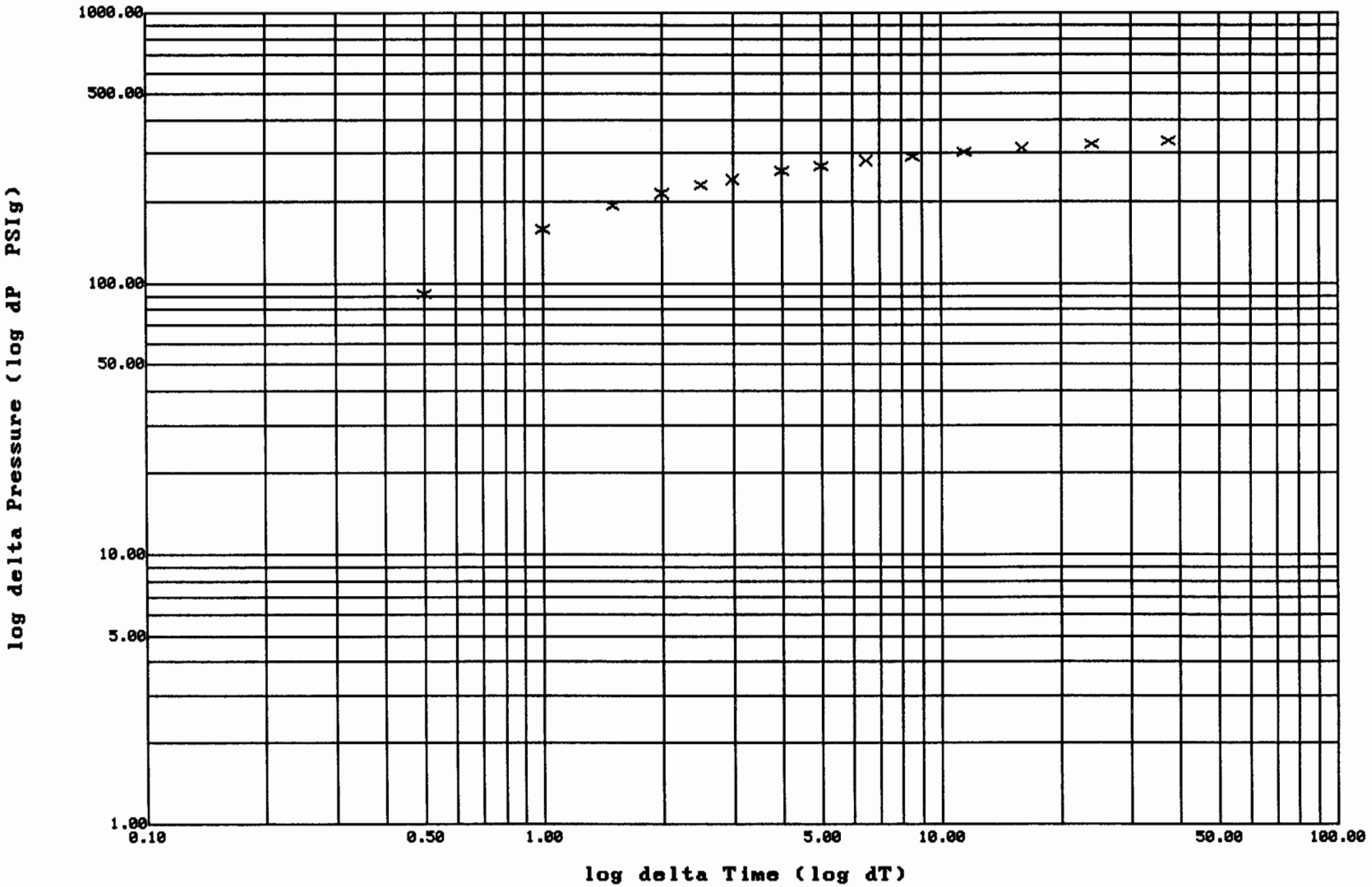
TEST: Viking Resources J.R. Ewing #5-8 DST#4

DATE: 03/25/95 TIME: 04:53:52

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	114.00	1975.8	0.0	107.06		
****** Start Flow 1	0.00	36.5	0.0	107.96		
	3.00	50.3	13.8	109.94		
	6.00	61.9	25.4	112.28		
	9.00	70.3	33.8	114.08		
	12.00	76.2	39.7	115.70		
	15.00	85.1	48.6	116.78		
	18.00	94.3	57.8	117.86		
	18.50	96.1	59.6	118.04		
	22.50	107.3	70.8	118.94		
	26.50	118.1	81.6	119.84		
****** End Flow 1	28.50	132.6	96.1	120.20		
****** Start Shutin 1	0.00	132.6	0.0	120.20	0.0000	0.018
	0.50	223.5	90.9	120.38	58.0000	0.050
	1.00	291.1	158.5	120.56	29.5000	0.085
	1.50	324.7	192.1	120.74	20.0000	0.105
	2.00	345.7	213.1	120.74	15.2500	0.120
	2.50	361.2	228.6	120.92	12.4000	0.130
	3.00	373.0	240.4	120.92	10.5000	0.139
	4.00	390.2	257.6	121.28	8.1250	0.152
	5.00	402.2	269.6	121.46	6.7000	0.162
	6.50	414.8	282.2	121.64	5.3846	0.172
	8.50	426.0	293.4	122.00	4.3529	0.181
	11.50	437.0	304.4	122.18	3.4783	0.191
	16.00	447.1	314.5	122.36	2.7812	0.200
	24.00	457.4	324.8	122.54	2.1875	0.209
****** End Shut-in 1	37.50	465.8	333.2	122.54	1.7600	0.217
****** Start Flow 2	0.00	137.5	0.0	122.36		
	3.00	146.6	9.1	122.00		
	6.00	157.4	19.8	121.82		
	12.00	162.1	24.6	122.00		
	15.00	167.6	30.0	122.18		
	18.00	171.9	34.3	122.36		
	21.00	177.5	39.9	122.36		
	24.00	182.6	45.1	122.54		
	27.00	187.8	50.3	122.54		
	30.00	192.9	55.4	122.72		
	33.00	197.8	60.3	122.72		
	36.00	202.2	64.6	122.90		
	39.00	206.7	69.2	122.90		
****** End Flow 2	42.00	210.9	73.4	123.08		
****** Start Shutin 2	0.00	210.9	0.0	123.08	0.0000	0.044
	3.00	379.3	168.4	123.08	24.5000	0.144
	7.00	415.5	204.6	123.26	11.0714	0.173
	10.00	427.3	216.4	123.44	8.0500	0.183
	15.00	439.2	228.3	123.62	5.7000	0.193
	23.00	449.8	238.9	123.80	4.0652	0.202
	38.00	459.9	249.0	123.98	2.8553	0.212
****** End Shut-in 2	54.00	465.4	254.5	124.16	2.3056	0.217
****** Final Hydro.	297.00	2007.0	0.0	124.34		

Ramey Plot: shut-in #1

Viking Resources J.R. Ewing #5-8 DST#4

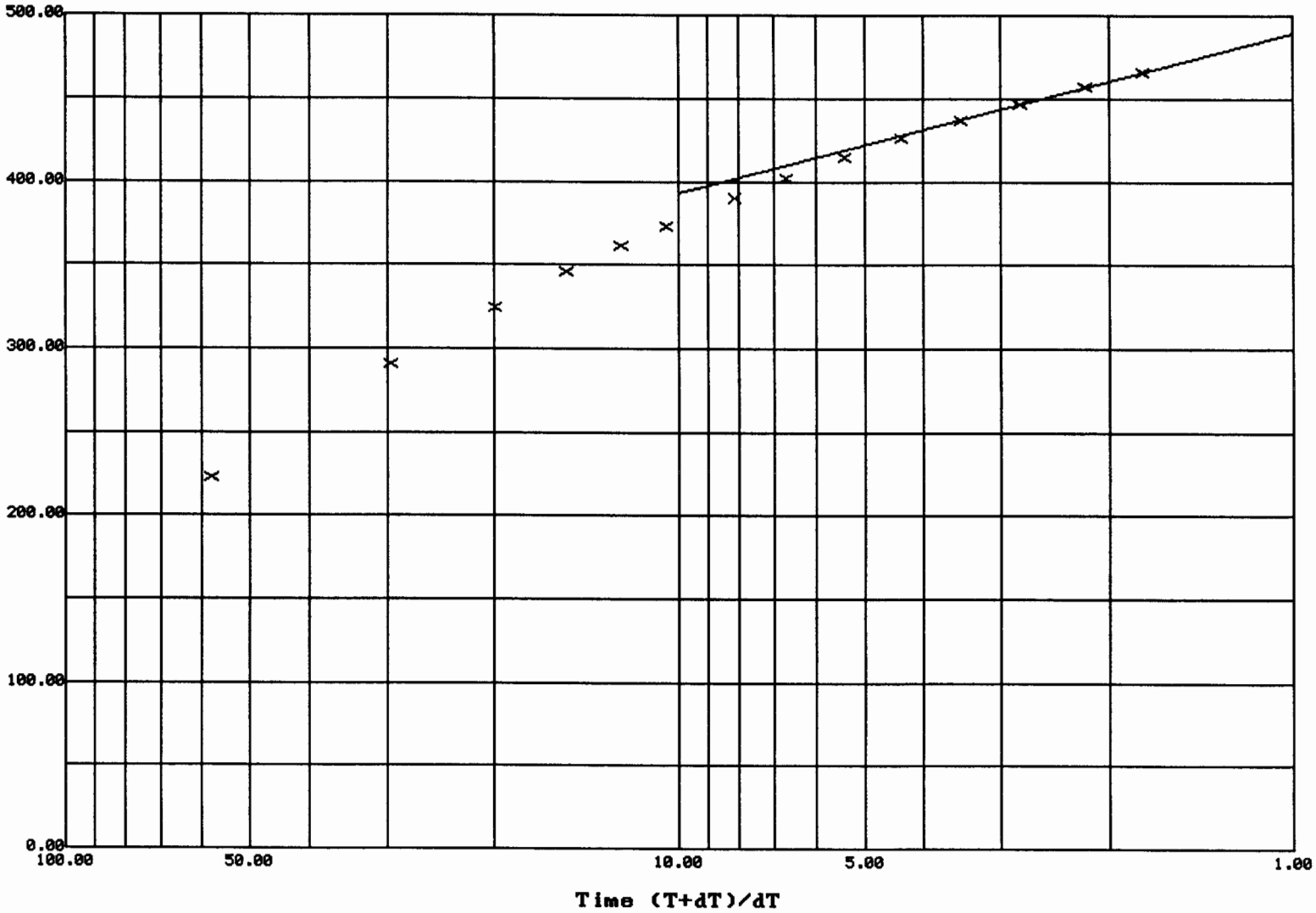


Horner Plot: shut-in #1

Viking Resources J.R. Ewing #5-8 DST#4

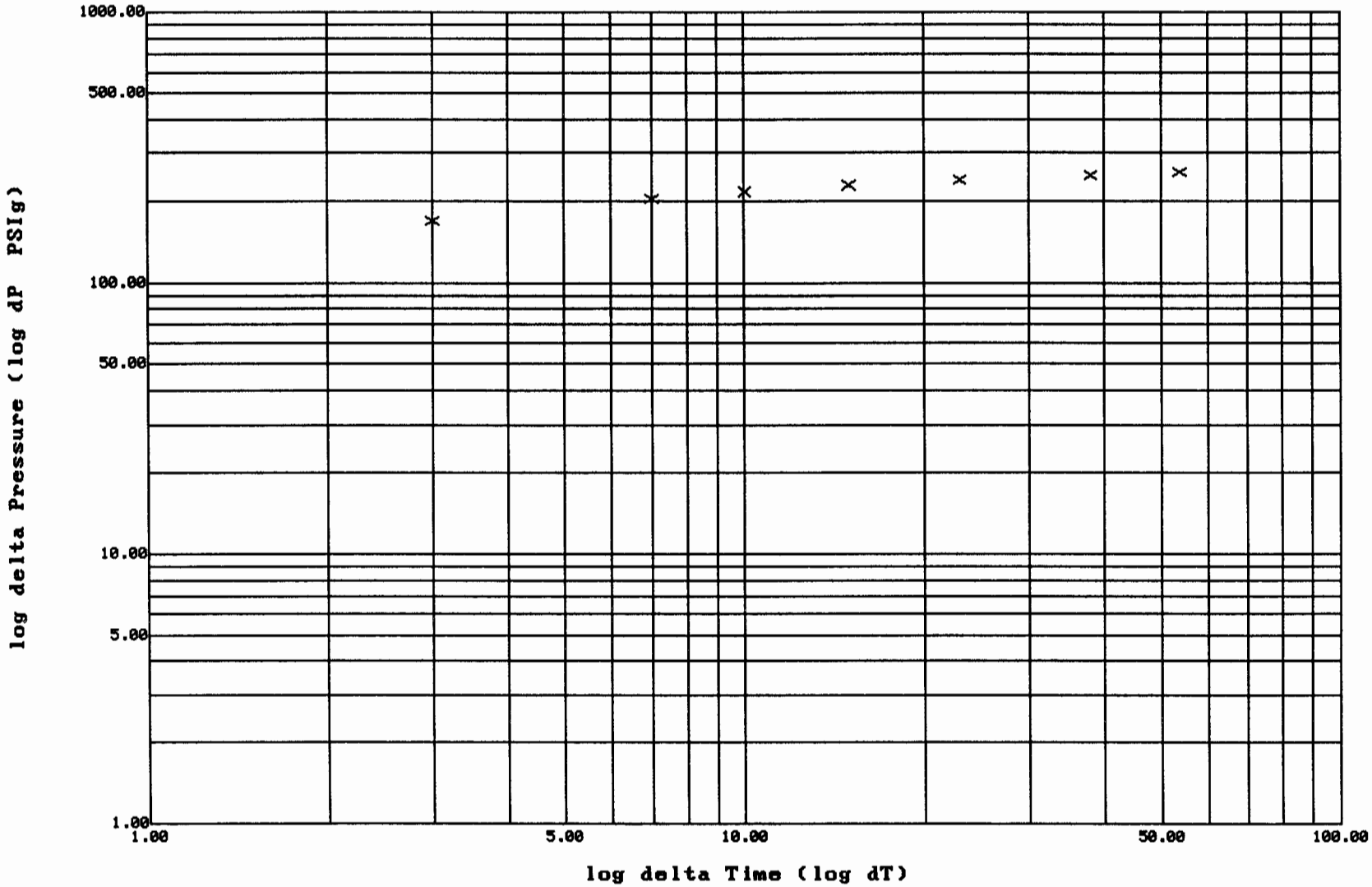
Slope: 97.5095 PSIg/cycle

Ext. Pressure: 490.1152 PSIg



Ramey Plot: shut-in #2

Viking Resources J.R. Ewing #5-8 DST#4

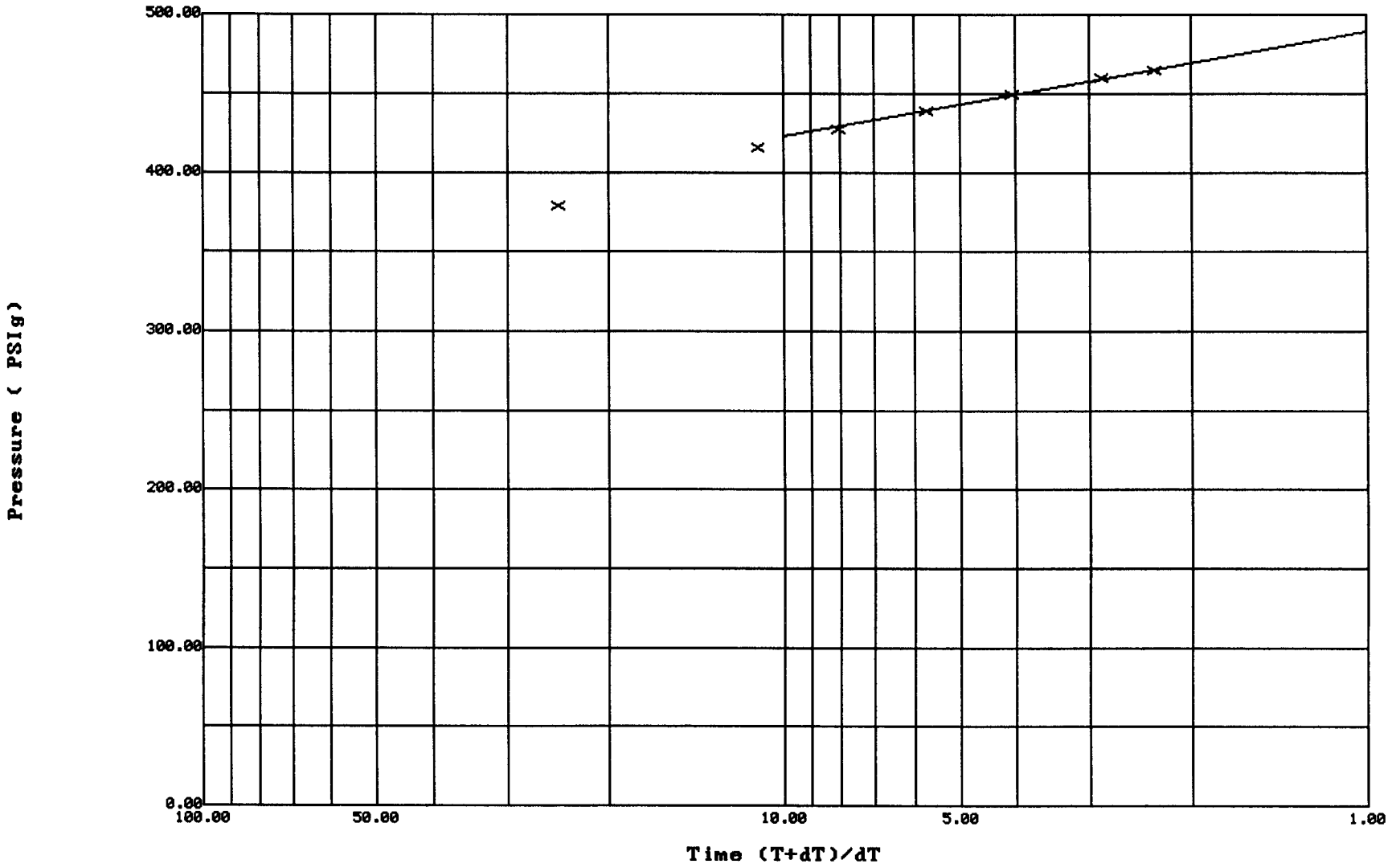


Horner Plot: shut-in #2

Viking Resources J.R. Ewing #5-8 DST#4

Slope: 66.7863 PSIg/cycle

Ext. Pressure: 490.0133 PSIg



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 7516

Well Name & No. J.R. Ewing #5-8 Test No. 4 Date 3-25-95

Company Viking Resources Zone Tested KC 200

Address 1655 Broadway Ste. 1040 Wichita, Ks 67202 Elevation 2675 (KB)

Co. Rep./Geo. Scott Oatsdean Cont. Abercrombie #8 Est. Ft. of Pay

Location: Sec. 8 Twp. 16S Rge. 27W Co. LANE State KS

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

Interval Tested 4180' - 4200' Drill Pipe Size 4½" XH

Anchor Length 20' Top Choke — 1" ____ Bottom Choke — ¾" ____

Top Packer Depth 4175' Hole Size — 7⅞" ____ Rubber Size — 6¾" ____

Bottom Packer Depth 4180' Wt. Pipe I.D. — 2.7 Ft. Run 505'

Total Depth 4200' Drill Collar — 2.25 Ft. Run ____

Mud Wt. 9.3 lb/gal. Viscosity 46 Filtrate 12.8

Tool Open @ 6:47am Initial Blow Surface Blow to Bottom of Bucket in 2½ min

I.S.I. 6 min Bleed off, Bottom of Bucket 1½ min after Bleed off,

Final Blow Bottom of Bucket @ open,

F.S.I. Bleed off Blow 3 min. return Blow Build to Bottom of Bucket in 1 hour.

Recovery — Total Feet 570' Feet of Gas in Pipe 2310' Flush Tool? NO

Rec. 390'	Feet Of	CGO	30 %gas	70 %oil	%water	%mud
Rec. 60'	Feet Of	GOCMTW	59 %gas	24 %oil	2 %water	15 %mud
Rec. 60'	Feet Of	GOCWM	44 %gas	30 %oil	10 %water	16 %mud
Rec. 60'	Feet Of	GWOCM	24 %gas	10 %oil	15 %water	51 %mud
Rec. ____	Feet Of	____	%gas	%oil	%water	%mud

BHT 124 °F Gravity 39 °API @ 70 °F Corrected Gravity 38 °API

RW .12 @ 70 °F Chlorides 69,000 ppm Recovery Chlorides 7,000 ppm System

(A) Initial Hydrostatic Mud	1975 PSI	AK1 Recorder No.	11057	Range	4500
(B) First Initial Flow Pressure	36 PSI	@ (depth)	4187	w/Clock No.	22347
(C) First Final Flow Pressure	132 PSI	AK1 Recorder No.	11058	Range	4500
(D) Initial Shut-In Pressure	465 PSI	@ (depth)	4195	w/Clock No.	21048
(E) Second Initial Flow Pressure	137 PSI	AK1 Recorder No.	Electronic	Range	
(F) Second Final Flow Pressure	210 PSI	@ (depth)	4181	w/Clock No.	
(G) Final Shut-In Pressure	465 PSI	Initial Opening	30	Test	X
(H) Final Hydrostatic Mud	2006 PSI	Initial Shut-In	45	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 Scott A Oatsdean

Our Representative Shane McGee

Printcraft Printers - Hays, KS

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name J.R. EWING #5-8 Test No. 5 Date 3/26/95

Company VIKING RESOURCES Zone FT. SCOTT

Address 105 S BROADWAY #1040 WICHITA KS 67202 Elevation 2675

Co. Rep./Geo. SCOTT OATSDEAN Cont. ABERCROMBIE #8 Est. Ft. of Pay

Location: Sec. 8 Twp. 16S Rge. 27W Co. LANE State KS

Interval Tested 4400-4460 Drill Pipe Size 4.5" XH

Anchor Length 60 Wt. Pipe I.D. - 2.7 Ft. Run 505

Top Packer Depth 4395 Drill Collar – 2.25 Ft. Run

Bottom Packer Depth 4400 Mud Wt. 9.3 lb/Gal.

Total Depth 4460 Viscosity 45 Filtrate 14.4

Tool Open @ 11:55AM Initial Blow SURFACE BLOW BUILT TO 8 INCHES.

ISI: BLED OFF, NO RETURN BLOW.

Final Blow SURFACE BLOW BUILT TO 10 INCHES.

FSI: BLED OFF BLOW, RETURN BLOW IN 16 MINUTES. WEAK SURFACE BLOW DIED IN 30 MINUTES.

Recovery - Total Feet 125 Flush Tool? NO

Rec. 5 Feet of CLEAN GASSY OIL. 5%GAS; 95% OIL.

Rec. 120 Feet of GASSY OIL CUT MUD. 2% GAS; 8% OIL; 90% MUD.

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 124 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides ppm System

(A) Initial Hydrostatic Mud 2171.48 PSI AK1 Recorder No. 11057 Range 4500

(B) First Initial Flow Pressure 20.39 PSI @ (depth) 4409 w / Clock No. 7452

(C) First Final Flow Pressure 37.34 PSI AK1 Recorder No. 11058 Range 4500

(D) Initial Shut-in Pressure 1094.75 PSI @ (depth) 4455 w / Clock No. 21048

(E) Second Initial Flow Pressure 42.63 PSI AK1 Recorder No. ELECTRONIC Range

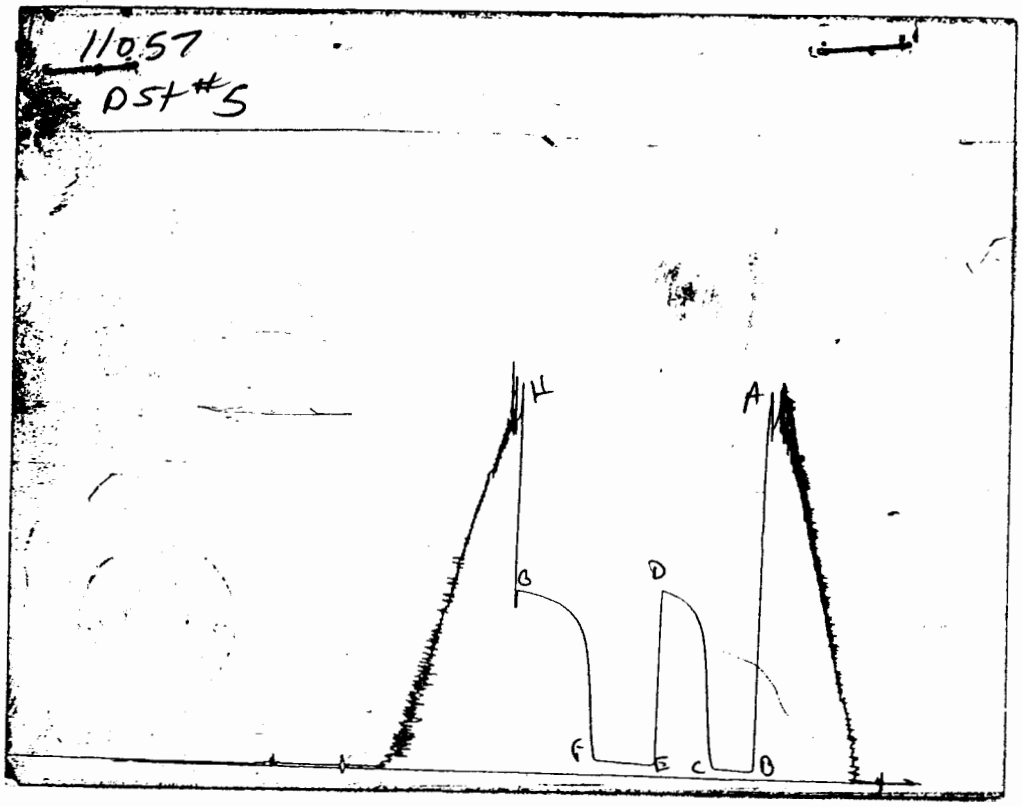
(F) Second Final Flow Pressure 68.56 PSI @ (depth) 4401 w / Clock No.

(G) Final Shut-in Pressure 1066.97 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 2223.66 PSI Initial Shut-in 45 Final Shut-in 60

Our Representative SHANE MCBRIDE

CHART PAGE



This is an actual photograph of an AK1 recorder chart

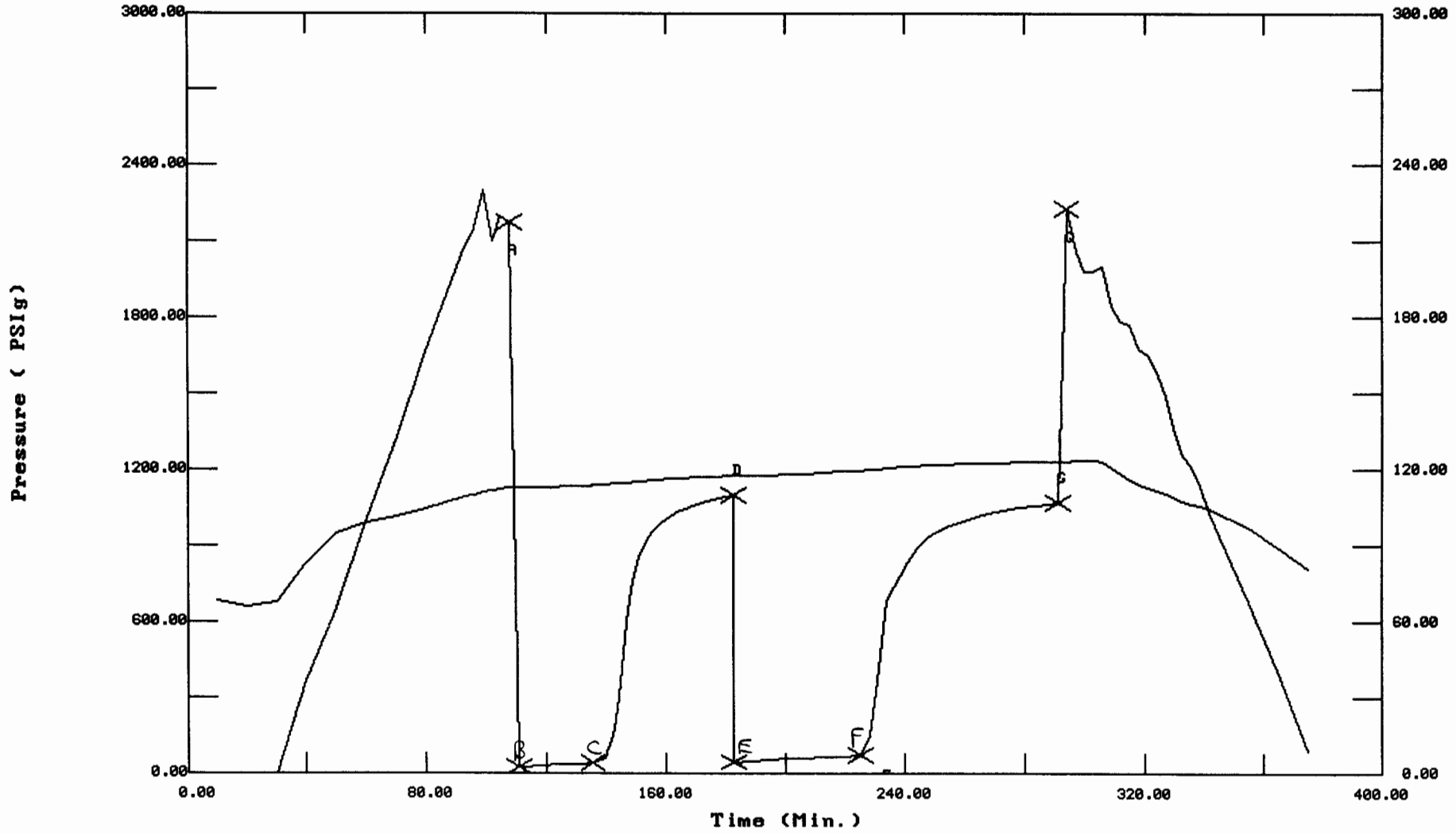
	AK1 READING	ALPINE READING
(A) INITIAL HYDROSTATIC MUD	2185.5	2171.48
(B) FIRST INITIAL FLOW PRESSURE	31.4	20.39
(C) FIRST FINAL FLOW PRESSURE	40.1	37.34
(D) INITIAL CLOSED-IN PRESSURE	1075.1	1094.75
(E) SECOND INITIAL FLOW PRESSURE	48.2	42.63
(F) SECOND FINAL FLOW PRESSURE	66.1	68.56
(G) FINAL CLOSED-IN PRESSURE	1049.3	1066.97
(H) FINAL HYDROSTATIC MUD	2269.2	2223.66

TEST HISTORY

Viking Resources J.R. Ewing #5-8 DST#5

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2171.46
B:	0.00	20.39
C:	24.50	37.34
D:	47.50	1094.75
E:	0.00	42.63
F:	42.00	68.56
G:	66.00	1066.97
Q:	0.00	2223.68



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Viking Resources J.R. Ewing #5-8 DST#5

DATE: 03/26/95 TIME: 10:08:19

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	108.00	2171.5	0.0	112.82		
****** Start Flow 1	0.00	20.4	0.0	112.82		
	3.00	24.5	4.1	113.00		
	6.00	26.7	6.3	113.00		
	9.00	28.9	8.6	113.00		
	12.00	31.2	10.8	113.00		
	15.00	32.6	12.3	113.18		
	18.00	35.0	14.6	113.18		
	21.00	35.4	15.0	113.36		
	24.00	37.4	17.0	113.54		
****** End Flow 1	24.50	37.3	17.0	113.72		
****** Start Shutin 1	0.00	37.3	0.0	113.72	0.0000	0.001
	4.50	59.5	22.2	114.08	6.4444	0.004
	5.00	79.3	42.0	114.08	5.9000	0.006
	5.50	99.2	61.9	114.08	5.4545	0.01
	6.00	113.5	76.2	114.08	5.0833	0.013
	6.50	131.3	94.0	114.26	4.7692	0.017
	7.00	152.9	115.6	114.26	4.5000	0.023
	7.50	179.8	142.4	114.26	4.2667	0.032
	8.00	213.1	175.7	114.26	4.0625	0.045
	8.50	254.1	216.8	114.44	3.8824	0.065
	9.00	303.1	265.7	114.44	3.7222	0.092
	9.50	358.6	321.3	114.44	3.5789	0.129
	10.00	418.7	381.4	114.62	3.4500	0.175
	10.50	480.9	443.6	114.62	3.3333	0.231
	11.00	541.2	503.9	114.62	3.2273	0.293
	11.50	596.9	559.5	114.62	3.1304	0.356
	12.00	642.1	604.8	114.80	3.0417	0.412
	12.50	685.8	648.4	114.80	2.9600	0.470
	13.00	723.1	685.8	114.80	2.8846	0.523
	13.50	755.8	718.5	114.98	2.8148	0.571
	14.00	785.1	747.7	114.98	2.7500	0.616
	14.50	810.1	772.8	114.98	2.6897	0.656
	15.00	832.0	794.6	115.16	2.6333	0.692
	15.50	850.9	813.6	115.16	2.5806	0.724
	16.00	867.4	830.0	115.16	2.5312	0.752
	16.50	882.1	844.7	115.16	2.4848	0.778
	17.00	895.1	857.7	115.34	2.4412	0.801
	17.50	906.7	869.3	115.34	2.4000	0.822
	18.00	917.3	880.0	115.34	2.3611	0.841
	19.00	935.6	898.3	115.52	2.2895	0.875
	20.00	951.4	914.1	115.52	2.2250	0.905
	21.00	964.9	927.6	115.70	2.1667	0.931
	22.00	977.0	939.7	115.70	2.1136	0.955
	23.00	987.3	950.0	115.88	2.0652	0.975
	24.50	1001.2	963.8	116.06	2.0000	1.002
	26.00	1013.0	975.7	116.06	1.9423	1.026
	27.50	1023.4	986.1	116.24	1.8909	1.047
	29.50	1035.2	997.9	116.42	1.8305	1.072
	31.50	1045.4	1008.1	116.60	1.7778	1.093
	34.00	1056.4	1019.1	116.78	1.7206	1.116

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

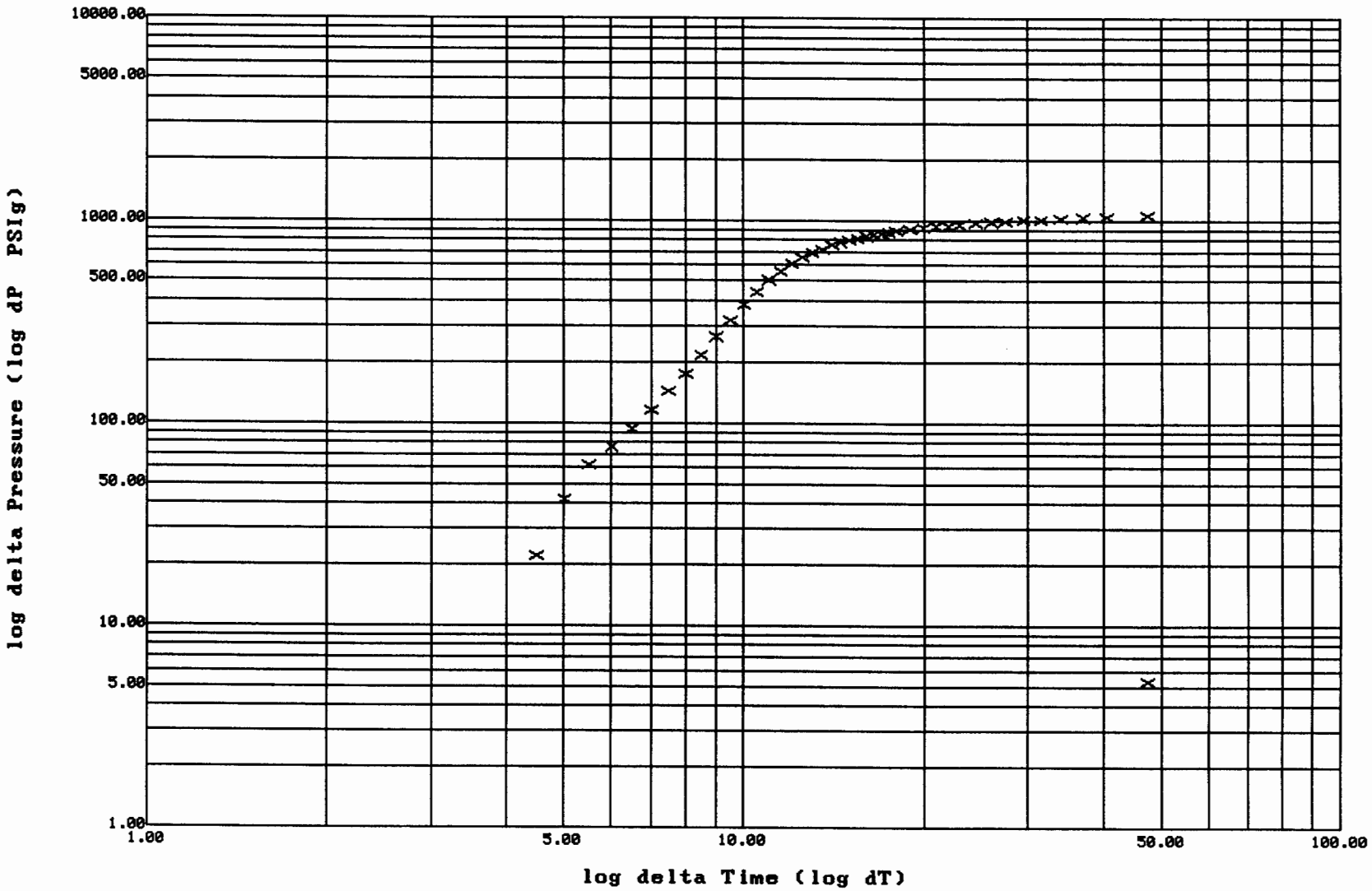
TEST: Viking Resources J.R. Ewing #5-8 DST#5

DATE: 03/26/95 TIME: 10:08:19

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	37.00	1067.4	1030.0	116.96	1.6622	1.139
	40.50	1078.1	1040.8	117.14	1.6049	1.162
****** End Shut-in 1	47.50	1094.7	1057.4	117.32	1.5158	1.198
****** Start Flow 2	0.00	42.6	0.0	117.32		
	6.00	48.6	6.0	117.32		
	12.00	52.1	9.5	117.50		
	18.00	55.4	12.8	117.86		
	24.00	59.2	16.5	118.22		
	30.00	62.5	19.9	118.58		
	36.00	65.6	23.0	119.12		
****** End Flow 2	42.00	68.6	25.9	119.48		
****** Start Shutin 2	0.00	68.6	0.0	119.48	0.0000	0.005
	3.00	149.2	80.7	119.84	23.1667	0.022
	6.00	410.1	341.6	120.20	12.0833	0.168
	9.00	679.8	611.2	120.38	8.3889	0.462
	16.00	831.4	762.8	120.92	5.1562	0.691
	17.00	852.4	783.8	121.10	4.9118	0.727
	18.00	869.9	801.3	121.10	4.6944	0.757
	19.00	885.1	816.5	121.28	4.5000	0.783
	20.00	898.4	829.9	121.28	4.3250	0.807
	21.00	910.0	841.5	121.46	4.1667	0.828
	22.00	920.3	851.8	121.46	4.0227	0.847
	24.00	938.4	869.8	121.64	3.7708	0.881
	26.00	953.3	884.8	121.82	3.5577	0.909
	28.00	966.0	897.4	121.82	3.3750	0.933
	30.00	977.1	908.5	122.00	3.2167	0.955
	33.00	991.3	922.7	122.18	3.0152	0.983
	36.00	1003.2	934.6	122.18	2.8472	1.006
	39.00	1013.3	944.8	122.36	2.7051	1.027
	43.00	1025.3	956.8	122.36	2.5465	1.051
	48.00	1037.3	968.7	122.54	2.3854	1.076
	53.00	1047.6	979.0	122.72	2.2547	1.097
	59.00	1057.6	989.0	122.72	2.1271	1.118
	63.00	1063.4	994.8	122.90	2.0556	1.131
****** End Shut-in 2	66.00	1067.0	998.4	122.90	2.0076	1.138
****** Final Hydro.	294.00	2223.7	0.0	123.08		

Ramey Plot: shut-in #1

Viking Resources J.R. Ewing #5-8 DST#5

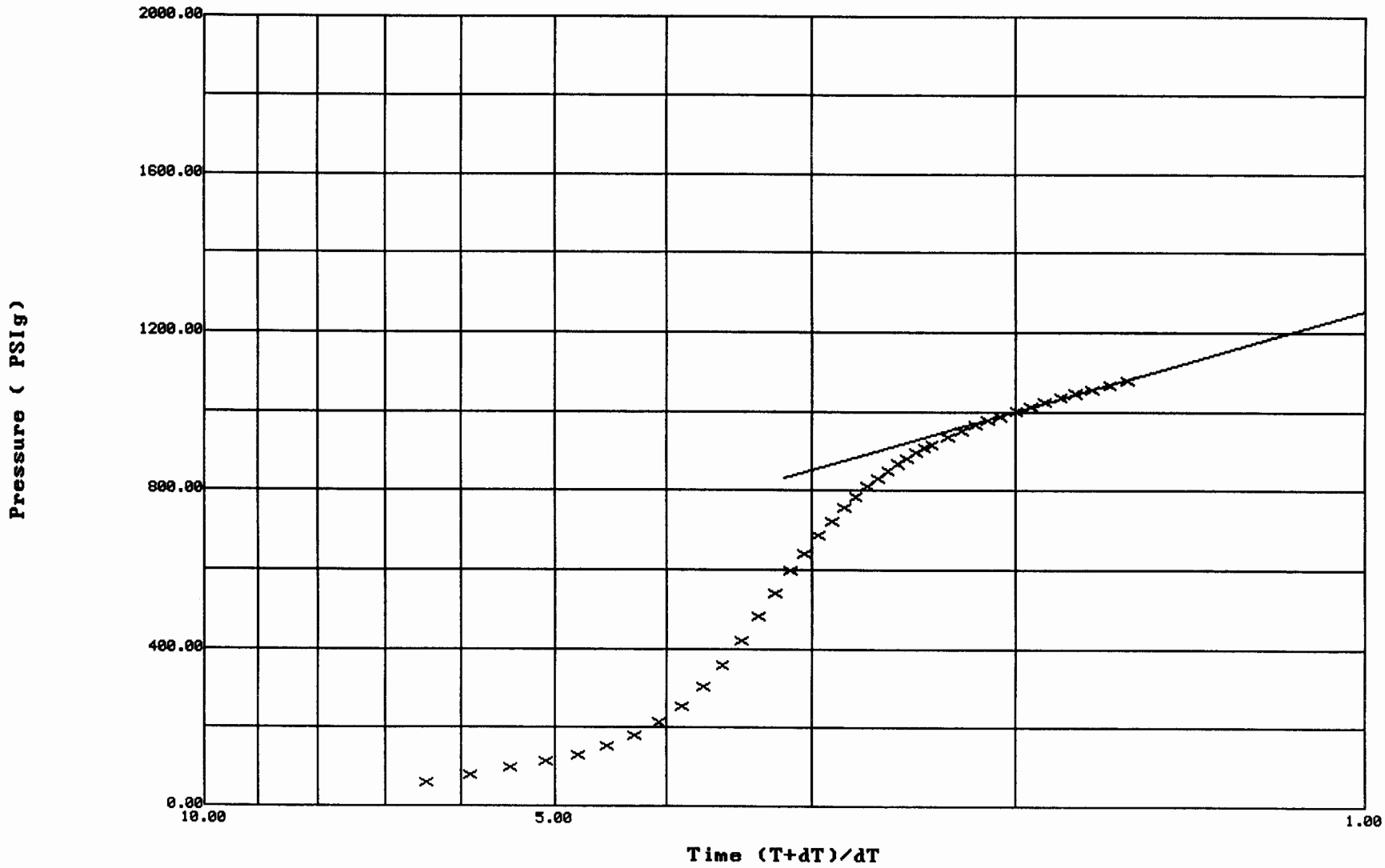


Horner Plot: shut-in #1

Viking Resources J.R. Ewing #5-8 DST#5

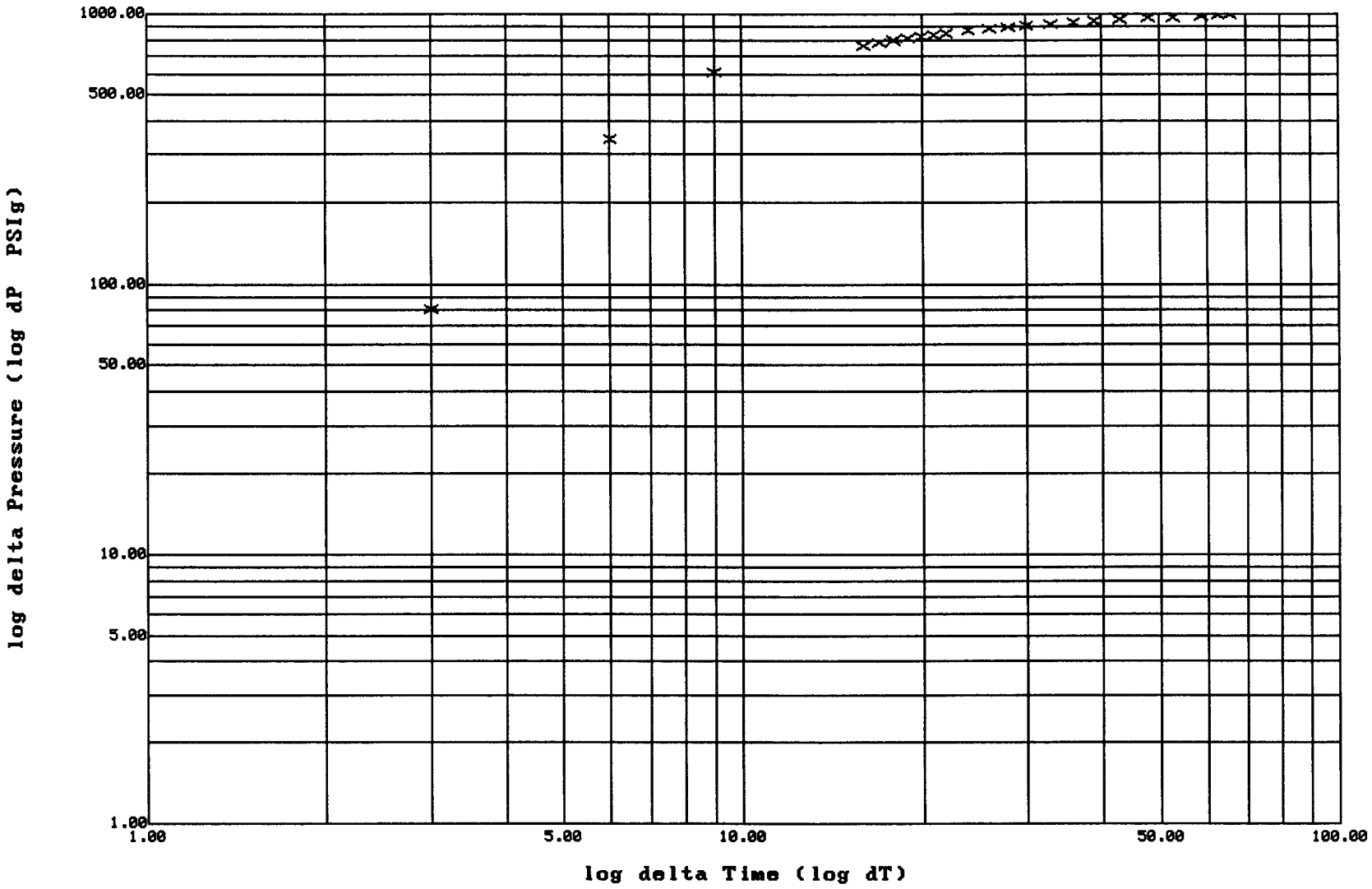
Slope: 844.5006 PSIg/cycle

Ext. Pressure: 1254.7922 PSIg



Ramey Plot: shut-in #2

Viking Resources J.R. Ewing #5-8 DST#5

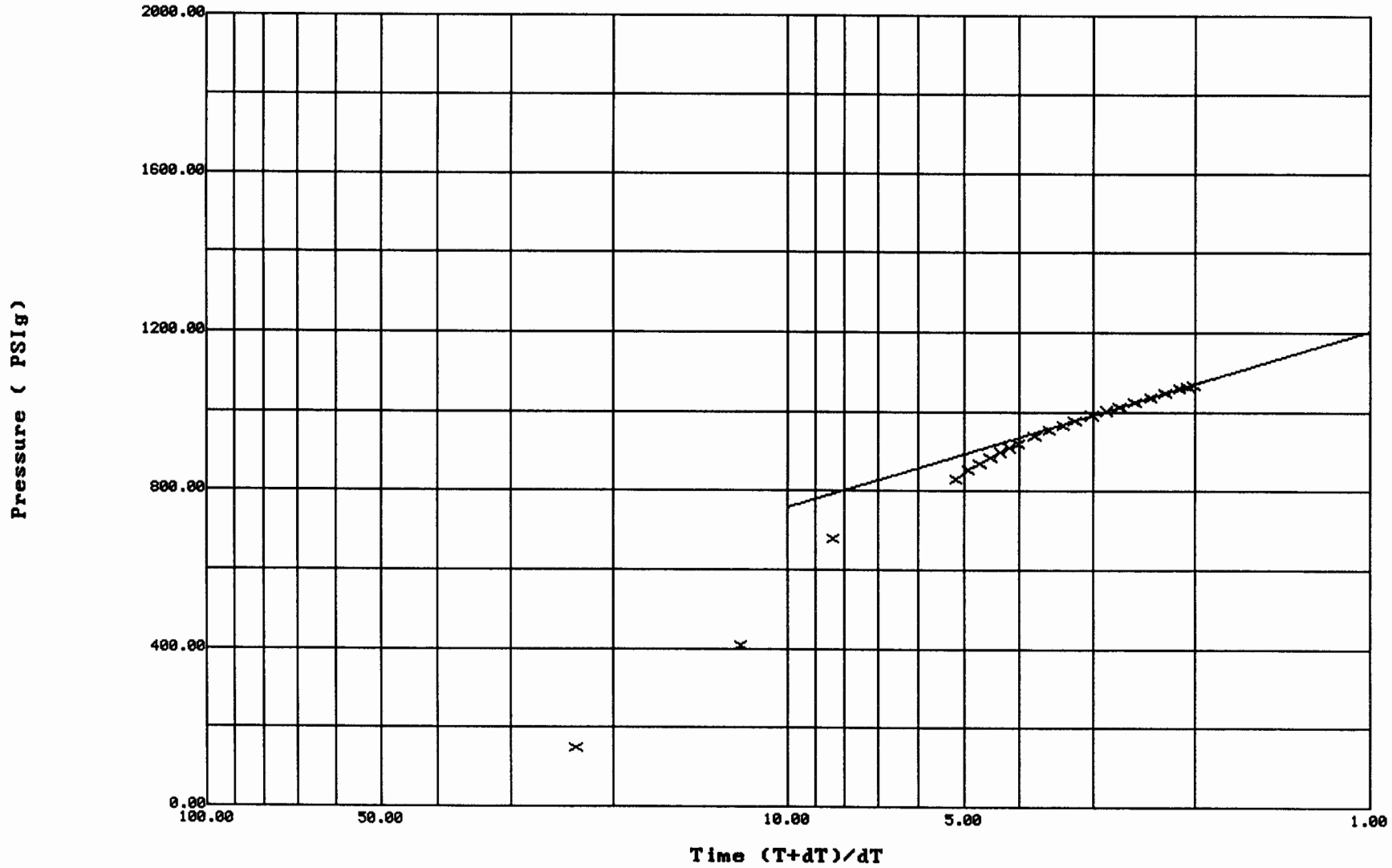


Horner Plot: shut-in #2

Viking Resources J.R. Ewing #5-8 DST#5

Slope: 444.5976 PSIg/cycle

Ext. Pressure: 1203.7659 PSIg



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 7517

Well Name & No. J. R. Ewing 5-8 Test No. #5 Date 3-26-95

Company Viking Resources Zone Tested Ft. Scott

Address 125 Broadway Ste. 1040 Wichita, KS 67202 Elevation 2675 (KB)

Co. Rep./Geo. Scott Oatsdean Cont. Abercrombie #8 Est. Ft. of Pay

Location: Sec. 8 Twp. 16S Rge. 27W Co. LANE State KS

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

Interval Tested 4400' - 4460' Drill Pipe Size 4½ XH

Anchor Length 60' Top Choke — 1" ____ Bottom Choke — ¾" ____

Top Packer Depth 4395' Hole Size — 7⅞" ____ Rubber Size — 6¾" ____

Bottom Packer Depth 4400' Wt. Pipe I.D. — 2.7 Ft. Run 505'

Total Depth 4460' Drill Collar — 2.25 Ft. Run ____

Mud Wt. 9.3 lb / gal. Viscosity 45 Filtrate 14.4

Tool Open @ 11:55 am Initial Blow Surface Blow Build to 8" in.

I.S.I. Bleedoff Blow; No return Blow.

Final Blow Surface Blow Build to 10" in.

F.S.I. Bleedoff Blow, returned Blow in 16 min, weak surface Blow died in 30 min

Recovery — Total Feet 125' Feet of Gas in Pipe 120' Flush Tool? NO

Rec. 5'	Feet Of CGO	5 %gas	95 %oil	%water	%mud
Rec. 120'	Feet Of GOCM	2 %gas	8 %oil	%water	90 %mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud

BHT 124 °F Gravity ____ °API @ ____ °F Corrected Gravity ____ °API

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

(A) Initial Hydrostatic Mud	2171 PSI	AK1 Recorder No.	11057	Range	4500
(B) First Initial Flow Pressure	20 PSI	@ (depth)	4409	w/Clock No.	7452
(C) First Final Flow Pressure	37 PSI	AK1 Recorder No.	11058	Range	4500
(D) Initial Shut-In Pressure	1094 PSI	@ (depth)	4455	w/Clock No.	21048
(E) Second Initial Flow Pressure	42 PSI	AK1 Recorder No.	Electronic	Range	
(F) Second Final Flow Pressure	68 PSI	@ (depth)	4401	w/Clock No.	
(G) Final Shut-In Pressure	1066 PSI	Initial Opening	30	Test	X
(H) Final Hydrostatic Mud	2223 PSI	Initial Shut-In	45	Jars	
		Final Flow	45	Safety Joint	X
		Final Shut-In	60	Straddle	
				Circ. Sub	X N/C
				Sampler	
				Extra Packer	
				Other	
				TOTAL PRICE $	

Approved By Scott A Oatsdean

Our Representative [signature]

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