ORIGINAL

Well Name:	CHRISTOPHER JARED #1-8				
Company :	AMOCO PRODUCTION COMPANY				
Location - Sec:	8	**Twp:**	30S	**Rge:**	39W
County:	STANTON	**State:**	KS		
Date:	23-Oct-95				

CONFIDENTIAL 15-187-20796

RELEASED

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KANSAS CORPORATION COMMISSION

FEB 15 1996

CONSERVATION DIVISION
WICHITA, KS

TRILOBITE TESTING L.L.C.

OPERATOR : Amoco Production Company DATE 10/18/95
WELL NAME: Cristopher Jared #1-8 KB 3223.00 ft TICKET NO: 8601 DST #1
LOCATION : 8-30S-39W GR 3211.00 ft FORMATION: Cherokee
INTERVAL : 4695.00 To 4722.00 ft TD 4722.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4
PF 10	Rec.	11038	11038	2341		
SI 60	Range(Psi)	5075.0	5075.0	4995.0	0.0	0.0
SF 120	Clock(hrs)	AK-1	AK-1	Alpin		
FS 120	Depth(ft)	4719.0	4719.0	4705.0	0.0	0.0

TIME DATA----------
PF Fr. 0655 to 0705 hr
IS Fr. 0705 to 0805 hr
SF Fr. 0805 to 1005 hr
FS Fr. 1005 to 1205 hr

	Field	1	2	3	4
A. Init Hydro	0.0	2251.0	2261.0	0.0	0.0
B. First Flow	0.0	73.0	23.0	0.0	0.0
B1. Final Flow	0.0	54.0	35.0	0.0	0.0
C. In Shut-in	0.0	1284.0	1293.0	0.0	0.0
D. Init Flow	0.0	81.0	38.0	0.0	0.0
E. Final Flow	0.0	128.0	137.0	0.0	0.0
F. Fl Shut-in	0.0	1226.0	1232.0	0.0	0.0
G. Final Hydro	0.0	2193.0	2229.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 0430 hr
T ON BOTM 0653 hr
T OPEN 0655 hr
T PULLED 1205 hr
T OUT 1530 hr

RECOVERY
Tot Fluid 240.00 ft of 240.00 ft in DC and 0.00 ft in DP
60.00 ft of Muddy water - 30% water, 70% mud
180.00 ft of salt water w/trace of oil

TOOL DATA----------

Tool Wt.	18000.00 lb
Wt Set On Packer	25000.00 lb
Wt Pulled Loose	145000.00 l
Initial Str Wt	85000.00 lb
Unseated Str Wt	100000.00 l
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	728.00 ft
D.P. Length	3965.00 ft

SALINITY 62000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA----------

Mud Type	Chemical
Weight	9.00 lb
Vis.	51.00 S/
W.L.	10.60 in
F.C.	0.00 in
Mud Drop Y	50.0 ft
Amt. of fill	0.00 ft
Btm. H. Temp.	127.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	N
Tool Chased	N
Tester	TOM HORACEK
Co. Rep.	CHUCK SCHMALTZ
Contr.	Cheyenne Drlg.
Rig #	3
Unit #	
Pump T.	

BLOW DESCRIPTION

Initial Blow -
Strong blow, bottom of bucket in
15 sec

Final Blow -
Strong blow, bottom of bucket in 2 min

SAMPLES:
SENT TO:

Test Successful: Y

TEST HISTORY

8601 DST #1 Christopher Jared #1-8 Amoco Prod. Com.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2261.01
B:	0.00	23.24
C:	8.00	35.07
D:	60.00	1292.56
E:	0.00	37.51
F:	118.00	137.05
G:	118.00	1232.05
Q:	0.00	2229.03

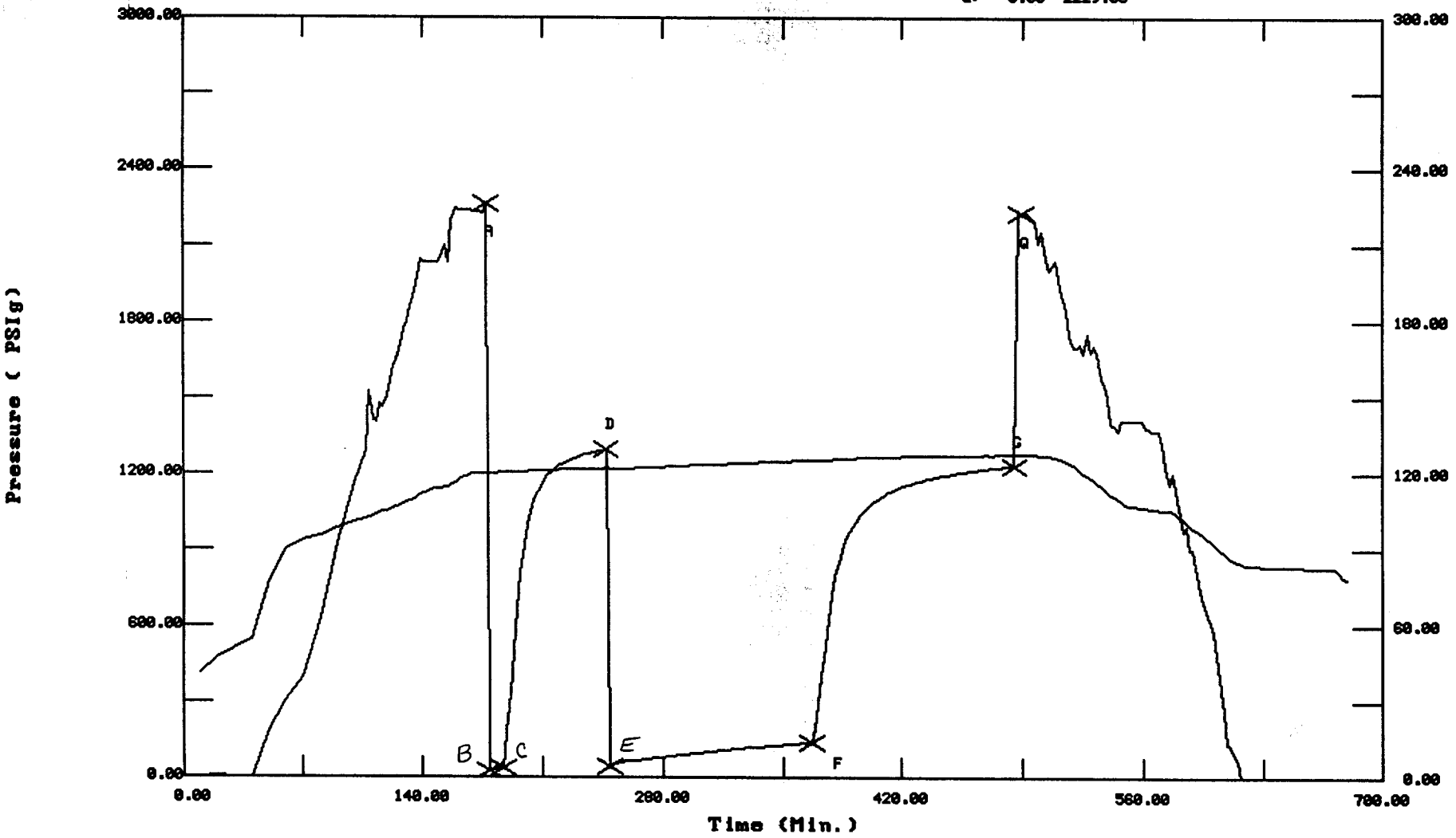
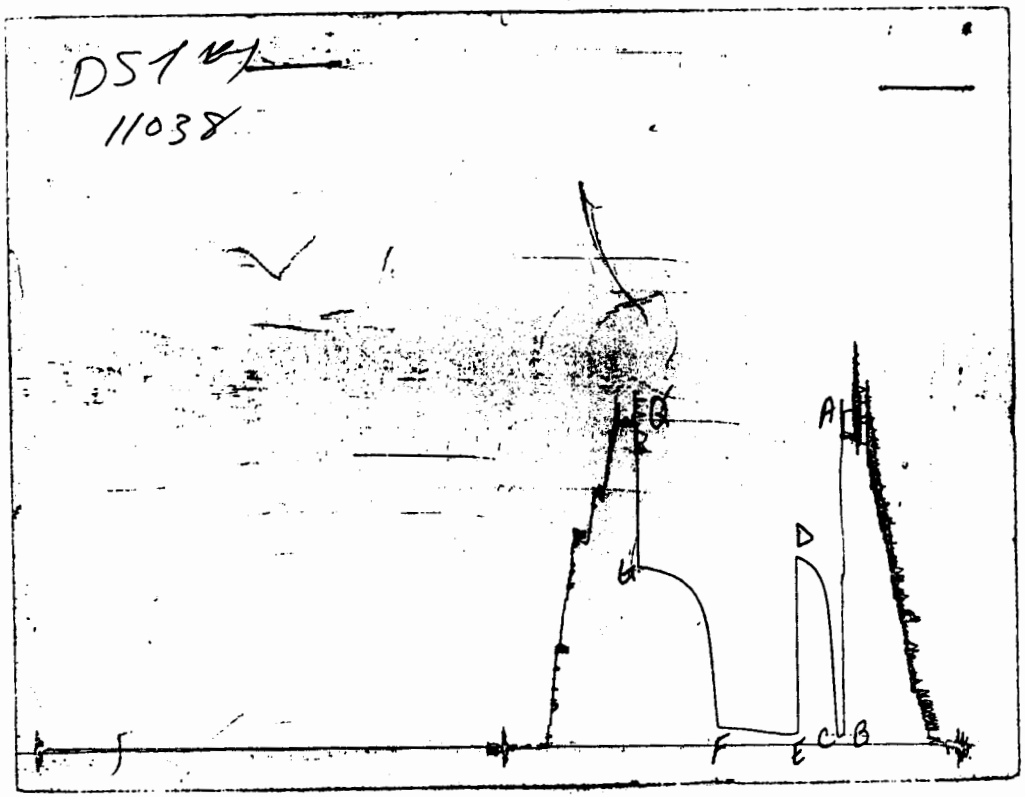


CHART PAGE



This is an actual photograph of recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8601 DST #1 Christopher Jared #1-8 Amoco Prod. Com.

DATE: 10/18/95 TIME: 02:51:39

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
**** Initial Hydro.	177.00	2261.0	0.0	120.02		
**** Start Flow 1	0.00	23.2	0.0	120.02		
	2.00	27.4	4.2	120.20		
	4.00	30.1	6.9	120.20		
	6.00	32.1	8.9	120.38		
**** End Flow 1	8.00	35.1	11.8	120.38		
**** Start Shutin 1	0.00	35.1	0.0	120.38	0.0000	0.001
	2.00	178.0	142.9	120.38	5.0000	0.032
	4.00	333.4	298.3	120.38	3.0000	0.111
	6.00	501.5	466.4	120.56	2.3333	0.251
	8.00	664.9	629.8	120.56	2.0000	0.442
	10.00	804.8	769.7	120.74	1.8000	0.648
	12.00	915.1	880.0	120.74	1.6667	0.837
	14.00	994.1	959.0	120.74	1.5714	0.988
	16.00	1051.9	1016.8	120.92	1.5000	1.106
	18.00	1094.3	1059.3	120.92	1.4444	1.198
	20.00	1127.0	1091.9	120.92	1.4000	1.270
	22.00	1152.7	1117.6	121.10	1.3636	1.329
	24.00	1173.4	1138.3	121.10	1.3333	1.377
	26.00	1190.4	1155.4	121.10	1.3077	1.417
	28.00	1204.2	1169.1	121.28	1.2857	1.450
	30.00	1216.4	1181.3	121.28	1.2667	1.480
	32.00	1226.4	1191.4	121.28	1.2500	1.504
	34.00	1235.5	1200.4	121.46	1.2353	1.526
	36.00	1243.5	1208.4	121.46	1.2222	1.546
	38.00	1250.0	1214.9	121.46	1.2105	1.563
	40.00	1256.1	1221.1	121.64	1.2000	1.578
	42.00	1261.8	1226.7	121.64	1.1905	1.592
	44.00	1266.6	1231.6	121.64	1.1818	1.604
	46.00	1271.0	1235.9	121.82	1.1739	1.615
	48.00	1274.4	1239.4	121.82	1.1667	1.624
	50.00	1278.3	1243.2	121.82	1.1600	1.634
	52.00	1281.7	1246.7	121.82	1.1538	1.643
	54.00	1284.8	1249.7	122.00	1.1481	1.651
	56.00	1287.6	1252.5	122.00	1.1429	1.658
	58.00	1290.2	1255.1	122.00	1.1379	1.665
**** End Shut-in 1	60.00	1292.6	1257.5	122.18	1.1333	1.671
**** Start Flow 2	0.00	37.5	0.0	122.00		
	2.00	49.3	11.8	122.00		
	4.00	52.7	15.2	122.00		
	6.00	55.9	18.4	122.00		
	8.00	58.2	20.6	122.00		
	10.00	61.0	23.5	122.00		
	12.00	62.3	24.8	122.00		
	14.00	63.0	25.5	122.00		
	16.00	65.2	27.7	122.18		
	18.00	66.5	29.0	122.18		
	20.00	69.4	31.9	122.18		
	22.00	70.3	32.8	122.36		
	24.00	71.9	34.4	122.36		
	26.00	74.0	36.5	122.36		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
TEST: 8601 DST #1 Christopher Jared #1-8 Amoco Prod. Com.
DATE: 10/18/95 TIME: 02:51:39

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	28.00	75.4	37.9	122.54		
	30.00	77.3	39.8	122.54		
	32.00	78.4	40.9	122.54		
	34.00	79.4	41.9	122.72		
	36.00	81.5	44.0	122.72		
	38.00	83.5	46.0	122.90		
	40.00	85.3	47.8	122.90		
	42.00	86.9	49.4	122.90		
	44.00	87.9	50.4	123.08		
	46.00	90.0	52.5	123.08		
	48.00	90.8	53.3	123.26		
	50.00	93.2	55.7	123.26		
	52.00	94.2	56.7	123.26		
	54.00	95.1	57.6	123.44		
	56.00	98.3	60.8	123.44		
	58.00	99.6	62.1	123.62		
	60.00	99.9	62.4	123.62		
	62.00	102.6	65.0	123.62		
	64.00	103.1	65.6	123.80		
	66.00	104.4	66.9	123.80		
	68.00	106.3	68.8	123.80		
	70.00	107.3	69.7	123.98		
	72.00	108.8	71.3	123.98		
	74.00	110.5	73.0	123.98		
	76.00	112.6	75.1	124.16		
	78.00	114.0	76.5	124.16		
	80.00	115.1	77.5	124.34		
	82.00	116.7	79.1	124.34		
	84.00	117.4	79.9	124.34		
	86.00	119.3	81.8	124.34		
	88.00	119.7	82.2	124.52		
	90.00	120.4	82.9	124.52		
	92.00	121.8	84.3	124.52		
	94.00	124.5	86.9	124.70		
	96.00	124.2	86.7	124.70		
	98.00	125.5	88.0	124.70		
	100.00	126.3	88.8	124.88		
	102.00	128.7	91.2	124.88		
	104.00	129.7	92.2	124.88		
	106.00	129.7	92.2	124.88		
	108.00	129.8	92.3	125.06		
	110.00	131.4	93.9	125.06		
	112.00	134.3	96.8	125.06		
	114.00	134.4	96.9	125.24		
	116.00	136.5	99.0	125.24		
****** End Flow 2	118.00	137.0	99.5	125.24		
****** Start Shutin 2	0.00	137.0	0.0	125.24	0.0000	0.019
	2.00	196.8	59.8	125.24	64.0000	0.039
	4.00	292.1	155.0	125.42	32.5000	0.085
	6.00	402.1	265.0	125.42	22.0000	0.162
	8.00	518.8	381.8	125.60	16.7500	0.269

ORIGINAL

CONFIDENTIAL

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8601 DST #1 Christopher Jared #1-8 Amoco Prod. Com.

DATE: 10/18/95 TIME: 02:51:39

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
10.00	627.8	490.7	125.60	13.6000	0.394
12.00	720.4	583.4	125.60	11.5000	0.519
14.00	795.0	657.9	125.78	10.0000	0.632
16.00	852.7	715.7	125.78	8.8750	0.727
18.00	898.0	761.0	125.96	8.0000	0.806
20.00	934.2	797.1	125.96	7.3000	0.873
22.00	963.7	826.6	126.14	6.7273	0.929
24.00	988.2	851.1	126.14	6.2500	0.976
26.00	1009.6	872.6	126.14	5.8462	1.019
28.00	1028.0	891.0	126.32	5.5000	1.057
30.00	1044.1	907.1	126.32	5.2000	1.090
32.00	1058.1	921.0	126.32	4.9375	1.120
34.00	1071.1	934.0	126.32	4.7059	1.147
36.00	1082.6	945.5	126.50	4.5000	1.172
38.00	1092.6	955.6	126.50	4.3158	1.194
40.00	1102.0	965.0	126.50	4.1500	1.215
42.00	1110.5	973.5	126.50	4.0000	1.233
44.00	1118.2	981.2	126.68	3.8636	1.250
46.00	1125.5	988.5	126.68	3.7391	1.267
48.00	1132.3	995.2	126.68	3.6250	1.282
50.00	1138.3	1001.3	126.68	3.5200	1.296
52.00	1143.9	1006.9	126.68	3.4231	1.309
54.00	1149.2	1012.2	126.86	3.3333	1.321
56.00	1154.2	1017.1	126.86	3.2500	1.332
58.00	1158.6	1021.6	126.86	3.1724	1.342
60.00	1163.0	1025.9	126.86	3.1000	1.353
62.00	1167.1	1030.0	126.86	3.0323	1.362
64.00	1171.0	1033.9	127.04	2.9688	1.371
66.00	1174.9	1037.9	127.04	2.9091	1.380
68.00	1178.3	1041.3	127.04	2.8529	1.388
70.00	1181.7	1044.6	127.04	2.8000	1.396
72.00	1184.5	1047.5	127.04	2.7500	1.403
74.00	1187.7	1050.7	127.04	2.7027	1.411
76.00	1190.5	1053.5	127.22	2.6579	1.417
78.00	1193.3	1056.2	127.22	2.6154	1.424
80.00	1196.0	1058.9	127.22	2.5750	1.430
82.00	1198.4	1061.4	127.22	2.5366	1.436
84.00	1200.9	1063.9	127.22	2.5000	1.442
86.00	1203.0	1066.0	127.22	2.4651	1.447
88.00	1205.4	1068.4	127.22	2.4318	1.453
90.00	1207.8	1070.8	127.40	2.4000	1.459
92.00	1209.8	1072.8	127.40	2.3696	1.464
94.00	1211.9	1074.9	127.40	2.3404	1.469
96.00	1213.7	1076.6	127.40	2.3125	1.473
98.00	1215.7	1078.6	127.40	2.2857	1.478
100.00	1217.5	1080.5	127.40	2.2600	1.482
102.00	1219.5	1082.5	127.58	2.2353	1.487
104.00	1221.1	1084.1	127.40	2.2115	1.491
106.00	1222.9	1085.9	127.40	2.1887	1.495
108.00	1224.6	1087.5	127.58	2.1667	1.500
110.00	1226.2	1089.1	127.58	2.1455	1.504

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8601 DST #1 Christopher Jared #1-8 Amoco Prod. Com.

DATE: 10/18/95 TIME: 02:51:39

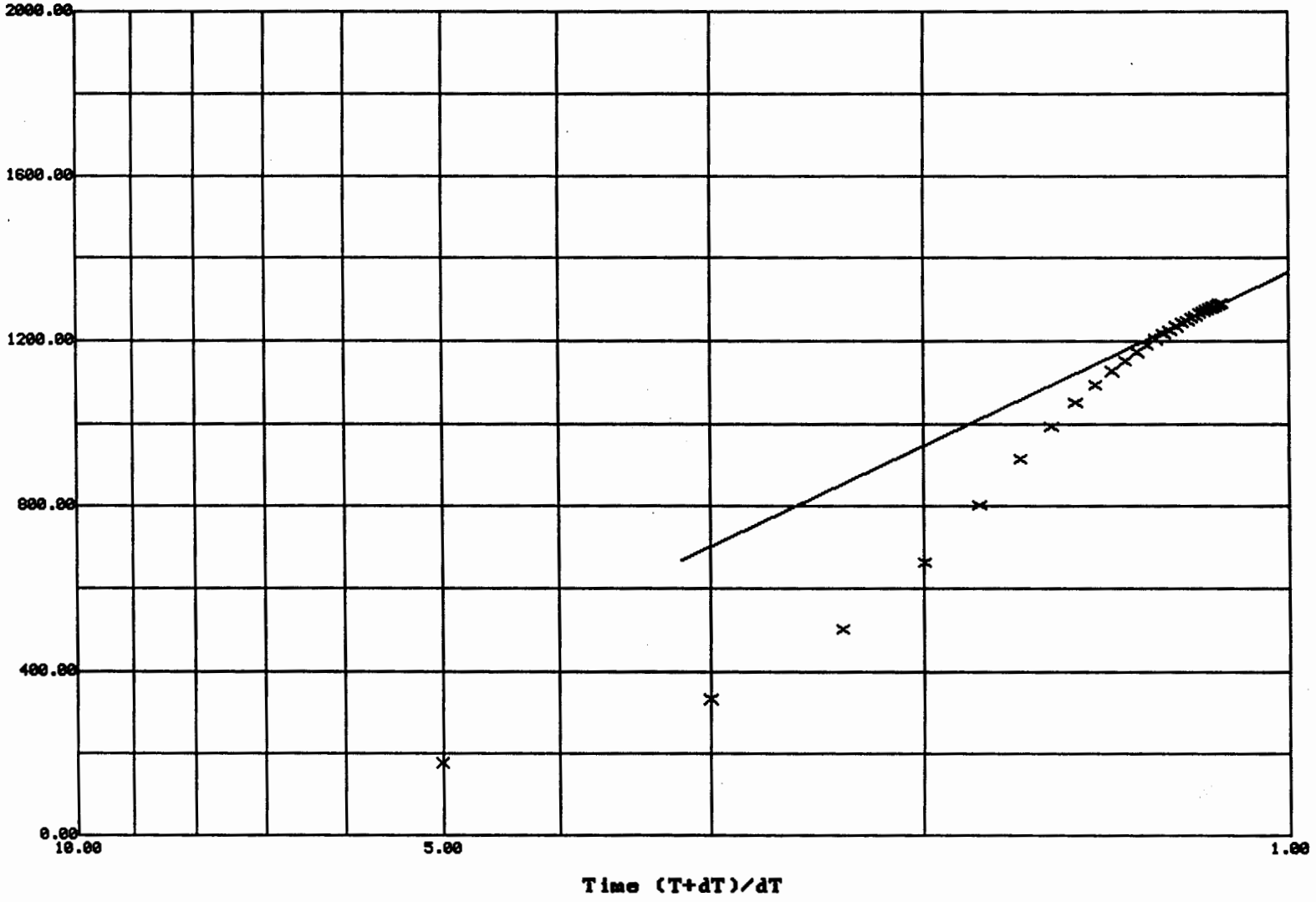
	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	112.00	1227.6	1090.6	127.58	2.1250	1.507
	114.00	1229.2	1092.2	127.58	2.1053	1.511
	116.00	1230.6	1093.6	127.58	2.0862	1.514
****** End Shut-in 2	118.00	1232.1	1095.0	127.58	2.0678	1.518
****** Final Hydro.	489.00	2229.0	0.0	127.76		

Horner Plot: shut-in #1

8601 DST #1 Christopher Jared #1-8 Amoco Prod. Com.

Slope: 1393.0348 PSIg/cycle

Ext. Pressure: 1368.3434 PSIg

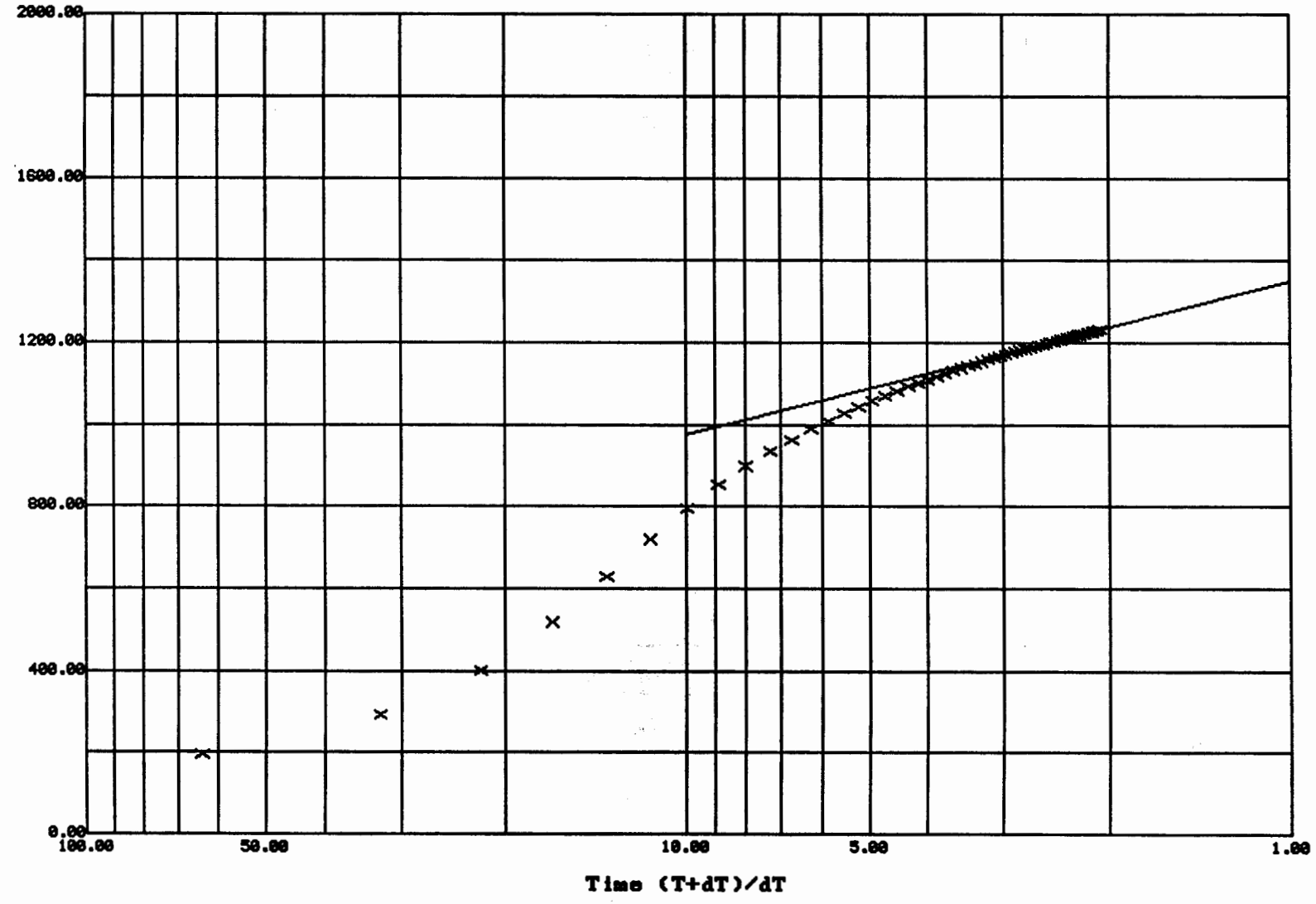


Horner Plot: shut-in #2

8601 DST #1 Christopher Jared #1-8 Amoco Prod. Com.

Slope: 376.4993 PSIg/cycle

Ext. Pressure: 1350.9119 PSIg

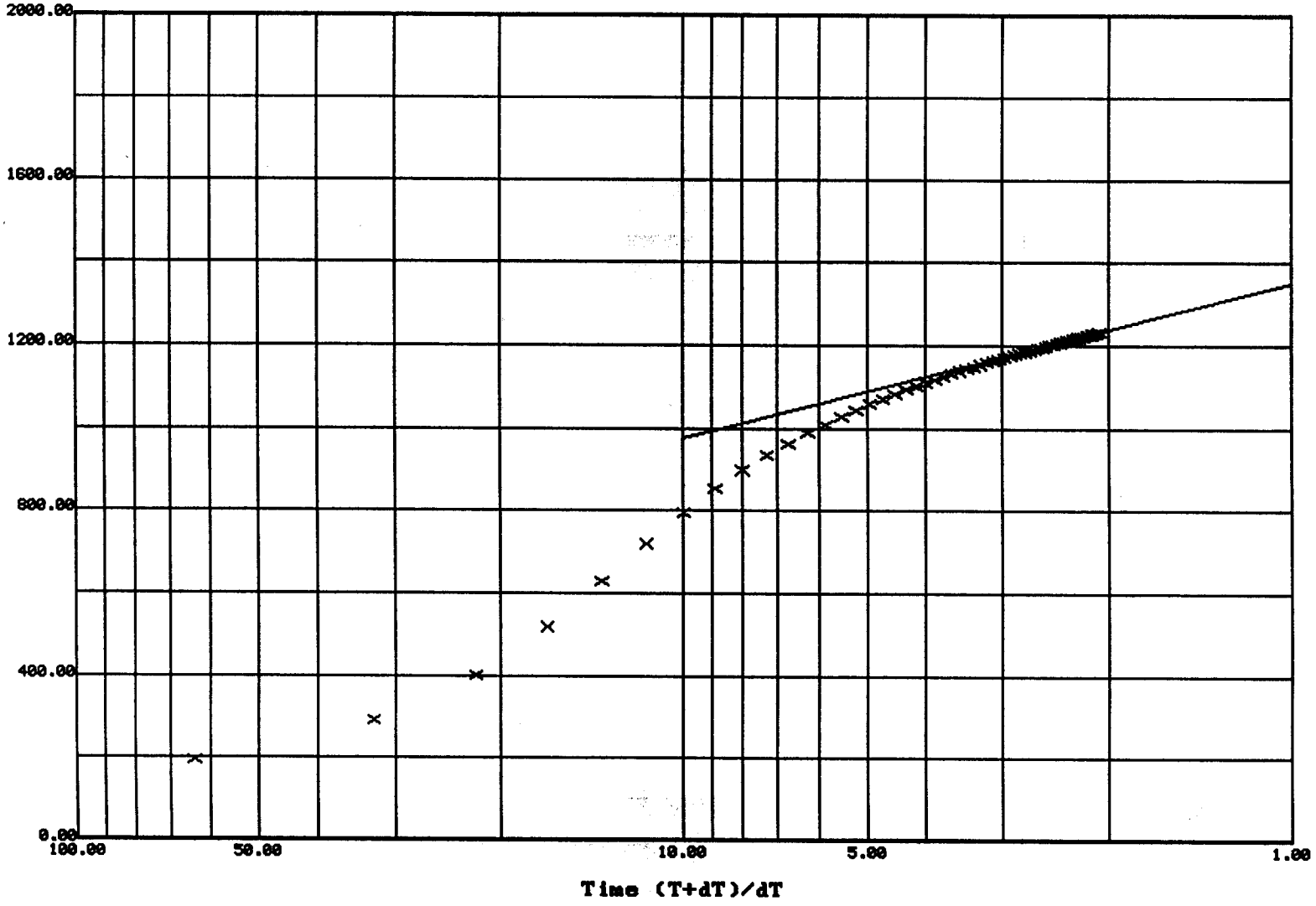


Horner Plot: shut-in #2

8601 DST #1 Christopher Jared #1-8 Amoco Prod. Com.

Slope: 376.4993 PSIg/cycle

Ext. Pressure: 1350.9119 PSIg

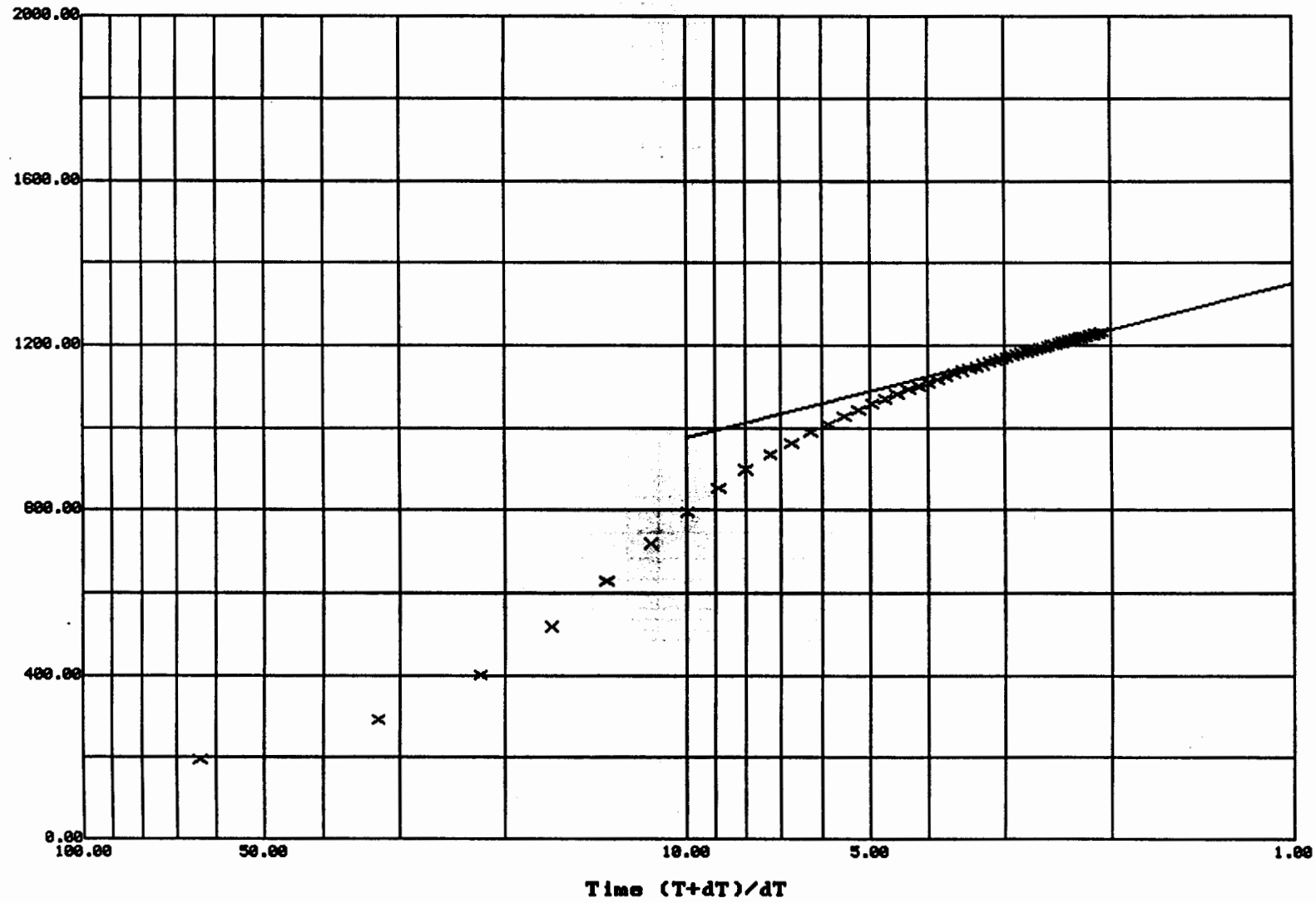


Horner Plot: shut-in #2

8601 DST #1 Christopher Jared #1-8 Amoco Prod. Com.

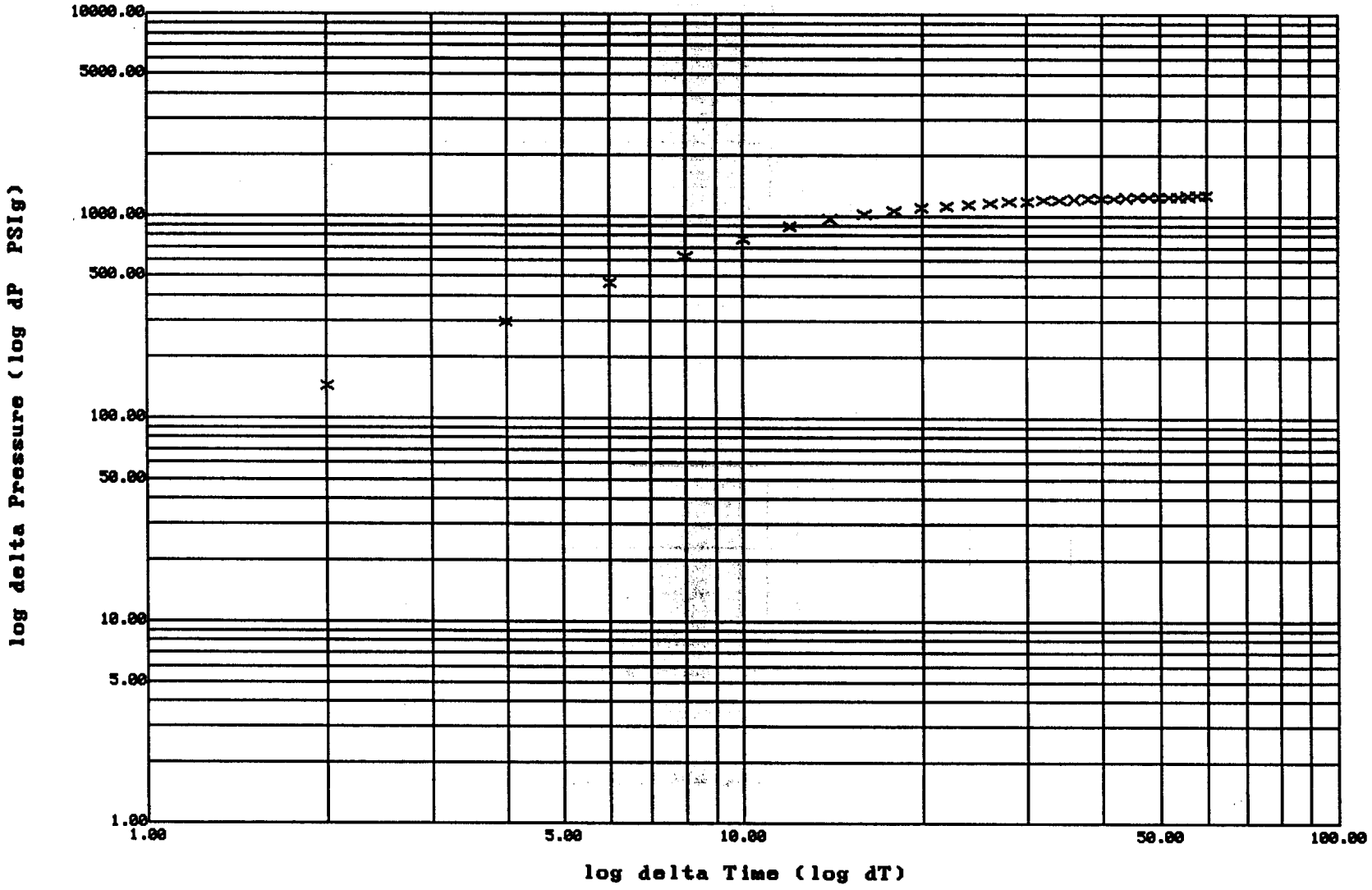
Slope: 376.4993 PSIg/cycle

Ext. Pressure: 1350.9119 PSIg



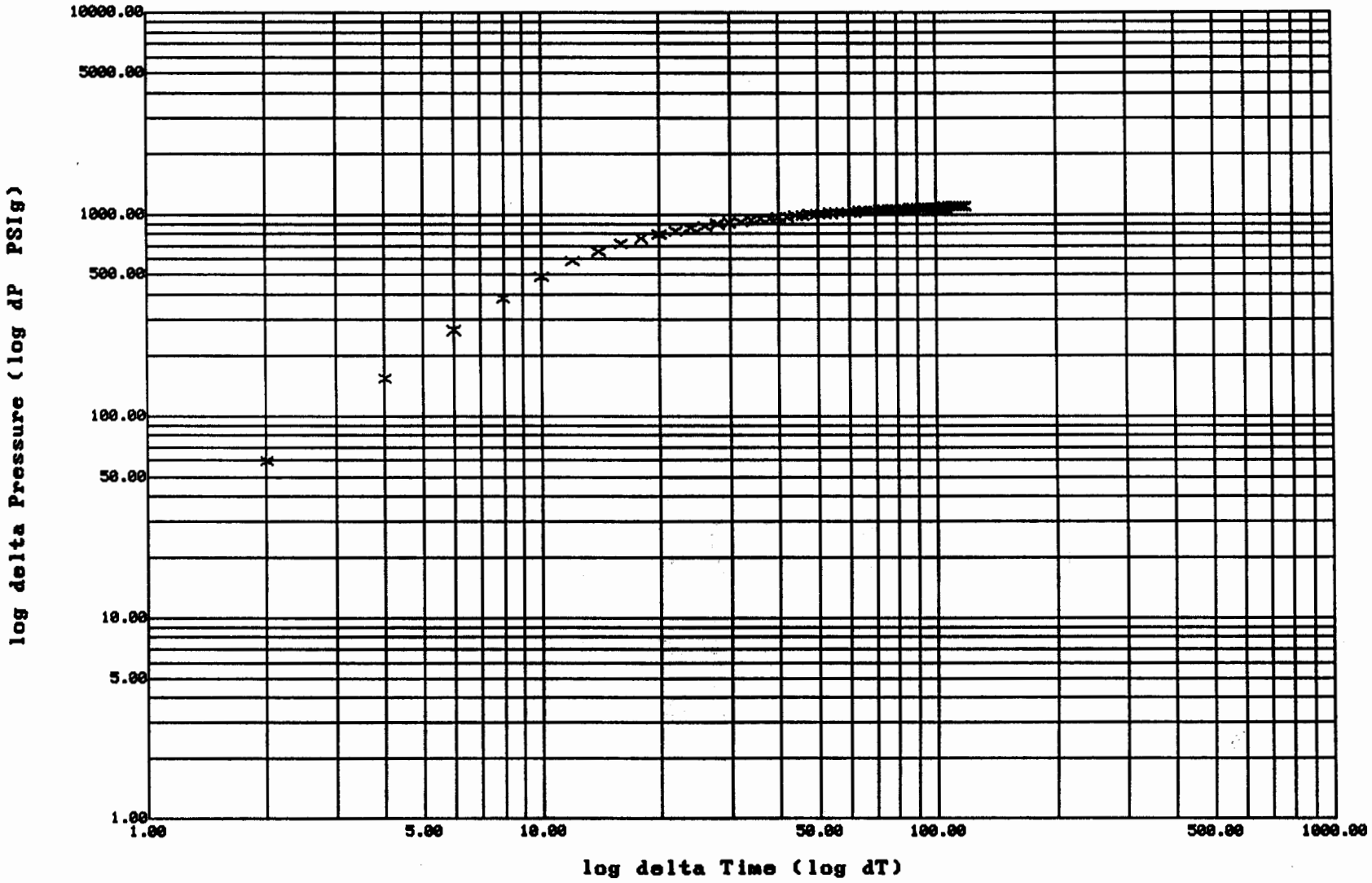
Ramey Plot: shut-in #1

8601 DST #1 Christopher Jared #1-8 Amoco Prod. Com.



Ramey Plot: shut-in #2

8601 DST #1 Christopher Jared #1-8 Amoco Prod. Com.



*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Cristopher Jared #1-8

LOCATION : 8-30S-39W,

TICKET No. 8601 D.S.T. No. 1 DATE 10/18/95

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 30 ft.

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 27 ft.

TOTAL TOOL ..... 57 ft.

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY .....

D.C. ABOVE TOOLS.Stands12 Single Total 728 ft.

D.P. ABOVE TOOLS.Stands63 Single 1 Total 3965 ft.

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4750 ft.

TOTAL DEPTH ..... 4722 ft.

TOTAL DRILL PIPE ABOVE K.B. ..... 28 ft.

REMARKS:

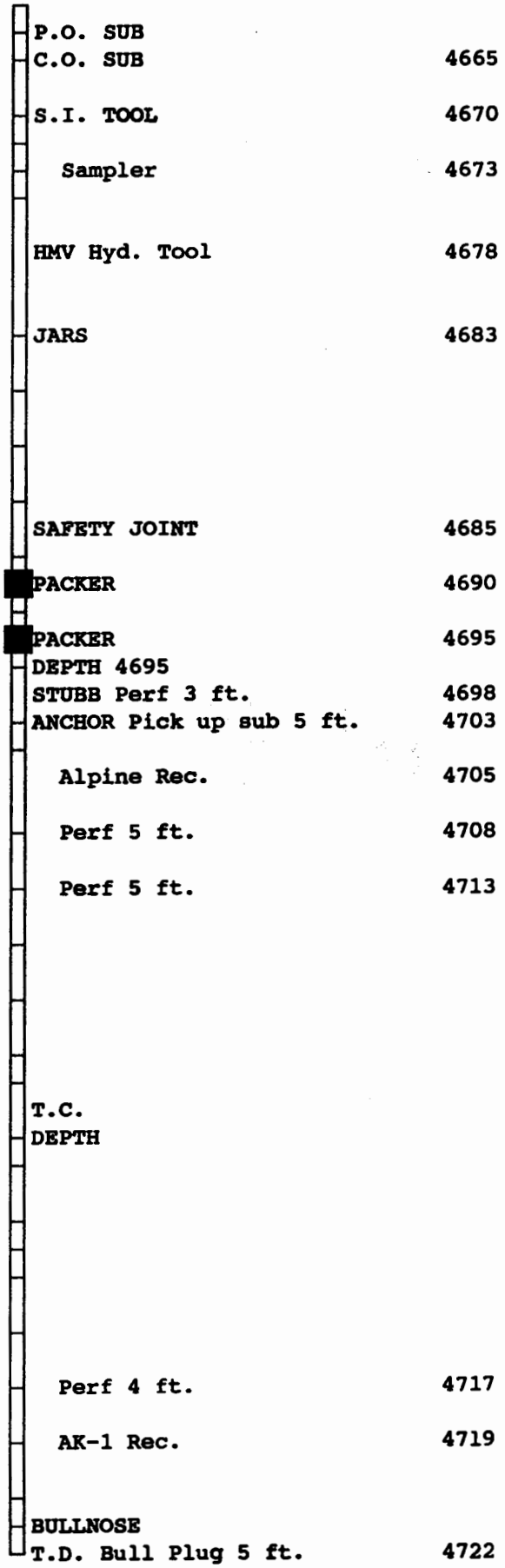
FLUID SAMPLER DATA

SAMPLER RECOVERY -
Gas 4.4 cu ft, Mud 300 ml, Water 1000 ml,
Pressure 680 PSI, Total 4000 ml

SAMPLER ANALYSIS -
Resistivity .121 ohms @ 80 F;
Chlorides 62000 ppm

PIT MUD ANALYSIS -
Chlorides 900 ppm; Viscosity 51,
Mud Wt 9.0, Filtrate 10.6

PIPE RECOVERY -
Bottom -
Resistivity .121 ohms @ 80 F;
Chlorides 62000 ppm



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 8601

Well Name & No. Christopher Jared #1-8 Test No. #1 Date 10/18/95

Company Amoco Prod. Com. Zone Tested Cherokee

Address Box 800, Denver Co. 80201 Elevation 3203 KB 3211 GL

Co. Rep / Geo. Chuck Smultz Cont. Cheyenne Drlg #3 Est. Ft. of Pay ___ Por. ___ %

Location: Sec. 8 Twp. 30 Rge. 39 Co. Stanton State Ks

No. of Copies ___ Distribution Sheet (Y, N) ___ Turnkey (Y, N) N Evaluation (Y, N) ___

Interval Tested 4695-4722 Initial Str Wt./Lbs. 85,000 Unseated Str Wt./Lbs. 100,000

Anchor Length 27' Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 145,000

Top Packer Depth 4690 Hole Size — 7 7/8" ___ Rubber Size — 6 3/4" ___

Bottom Packer Depth 4695 Wt. Pipe I.D. — 2.7 Ft. Run ___

Total Depth 4722 Drill Collar — 2.25 Ft. Run 728'

Mud Wt. 9.0 LCM 2 Vis. 51 WL 10.6 Drill Pipe Size 3.80 Ft. Run 3965'

Blow Description 1st Strong blow - B.O.B. 15 sec.

2nd. open - Fair blow - B.O.B 2 min.

Recovery — Total Feet 240 Ft. in DC 240 Ft. in WP ___ Ft. in DP ___

Rec. 1427'	~~Feet Of~~	GIP	%gas	%oil	%water	%mud
Rec. 60'	Feet Of	muddy water	%gas	%oil	30 %water	70 %mud
Rec. 180'	Feet Of	salt water w/trace oil	%gas	%oil	%water	%mud
Rec. ___	Feet Of	___	%gas	%oil	%water	%mud
Rec. ___	Feet Of	___	%gas	%oil	%water	%mud

BHT 127 °F Gravity ___ °API D@ ___ °F Corrected Gravity ___ °API

RW .121 @ 80 °F Chlorides 62000 ppm Recovery Chlorides 900 ppm System

(A) Initial Hydrostatic Mud	2261 PSI	Recorder No.	2341	T-Started	0430
(B) First Initial Flow Pressure	23 PSI	@ (depth)	4705	T-Open	0655
(C) First Final Flow Pressure	35 PSI	Recorder No.	11038	T-Pulled	1205
(D) Initial Shut-in Pressure	1292 PSI	@ (depth)	4719	T-Out	1530
(E) Second Initial Flow Pressure	37 PSI	Recorder No.	___		
(F) Second Final Flow Pressure	137 PSI	@ (depth)	___		
(G) Final Shut-in Pressure	1232 PSI	Initial Opening	10 min.	Test	X
(H) Final Hydrostatic Mud	2229 PSI	Initial Shut-in	60 min.	Jars	X
		Final Flow	120 min.	Safety Joint	X
		Final Shut-in	120 min.	Straddle	___
		___		Circ. Sub	___
		___		Sampler	X
				Extra Packer	___
				Elect. Rec.	X
				Other	___
				TOTAL PRICE $	1200.00

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 ___

Our Representative Toni Horacek

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 8601 Date 10/18/95

Company Name Amoco Prod Com.

Lease Christopher Jared #1-8 Test No. #1

County Stanton Ks. Sec. 8 Twp. 30 Rng. 39

SAMPLER RECOVERY

Gas 4.4 cubic ft ~~MCF~~

Oil ML

Mud 300 ML

Water 1,000 ML

Other ML

Pressure 680 PSI

Total 4,000 ML

PIT MUD ANALYSIS

Chlorides 900 ppm.

Resistivity ohms @ F

Viscosity 51

Mud Weight 9.0

Filtrate 10.6

Other

SAMPLER ANALYSIS

Resistivity .121 ohms @ 80 F

Chlorides 62,000 ppm.

Gravity corrected @ 60 F

PIPE RECOVERY

TOP

Resistivity ohms @ F

Chlorides ppm.

MIDDLE

Resistivity ohms @ F

Chlorides ppm.

BOTTOM

Resistivity .121 ohms @ 80 F

Chlorides 62000 ppm.

TRILOBITE TESTING L.L.C.

OPERATOR : Amoco Production Company DATE 10/21/95
WELL NAME: Christopher Jared # 1-8 KB 3211.00 ft TICKET NO: 8602 DST #2
LOCATION : 8-30S-39W GR 3223.00 ft FORMATION: Morrow
INTERVAL : 5515.00 To 5533.00 ft TD 5533.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4
PF 10	Rec.	11038	11038	2341		
SI 60	Range(Psi)	5075.0	5075.0	4995.0	0.0	0.0
SF 120	Clock(hrs)	AK-1	AK-1	Alpin		
FS 120	Depth(ft)	5530.0	5530.0	5523.0	0.0	0.0

TIME DATA----------
PF Fr. 2205 to 2215 hr
IS Fr. 2215 to 2315 hr
SF Fr. 2315 to 0115 hr
FS Fr. 0115 to 0315 hr

	Field	1	2	3	4
A. Init Hydro	0.0	2823.0	2854.0	0.0	0.0
B. First Flow	0.0	74.0	39.0	0.0	0.0
B1. Final Flow	0.0	80.0	62.0	0.0	0.0
C. In Shut-in	0.0	1197.0	1218.0	0.0	0.0
D. Init Flow	0.0	96.0	70.0	0.0	0.0
E. Final Flow	0.0	0.0	158.0	0.0	0.0
F. Fl Shut-in	0.0	0.0	868.0	0.0	0.0
G. Final Hydro	0.0	2619.0	2607.0	0.0	0.0
Inside/Outside		O	I		

T STARTED 2000 hr
T ON BOTM 2203 hr
T OPEN 2205 hr
T PULLED 0315 hr
T OUT 0700 hr

TOOL DATA----------

Tool Wt.	18000.00 lbs
Wt Set On Packer	25000.00 lbs
Wt Pulled Loose	120000.00 lb
Initial Str Wt	100000.00 lb
Unseated Str Wt	105000.00 lb
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	728.00 ft
D.P. Length	4779.00 ft

RECOVERY
Tot Fluid 240.00 ft of 240.00 ft in DC and 0.00 ft in DP
Gas in pipe
90.00 ft of Slightly Oil & Water Cut Mud -
5% gas, 5% oil, 10% water, 80% mud
150.00 ft of Salt water

RW .122 @ 70 F
SALINITY 70000.00 P.P.M. A.P.I. Gravity 39.20

MUD DATA----------

Mud Type	CHEMICAL
Weight	8.60 lb/
Vis.	69.00 S/L
W.L.	7.20 in3
F.C.	0.00 in
Mud Drop Y	20.0 ft
Amt. of fill	0.00 ft
Btm. H. Temp.	138.00 F
Hole Condition	GOOD
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	N
Tool Chased	N
Tester	TOM HORACEK
Co. Rep.	CHUCK SCHMALTZ
Contr.	Cheyenne Drlg.
Rig #	3
Unit #	
Pump T.	

BLOW DESCRIPTION

Initial Blow -
Fair blow, bottom of bucket in 8 min

Final Blow -
Fair blow, bottom of bucket in 20 min

SAMPLES:
SENT TO:

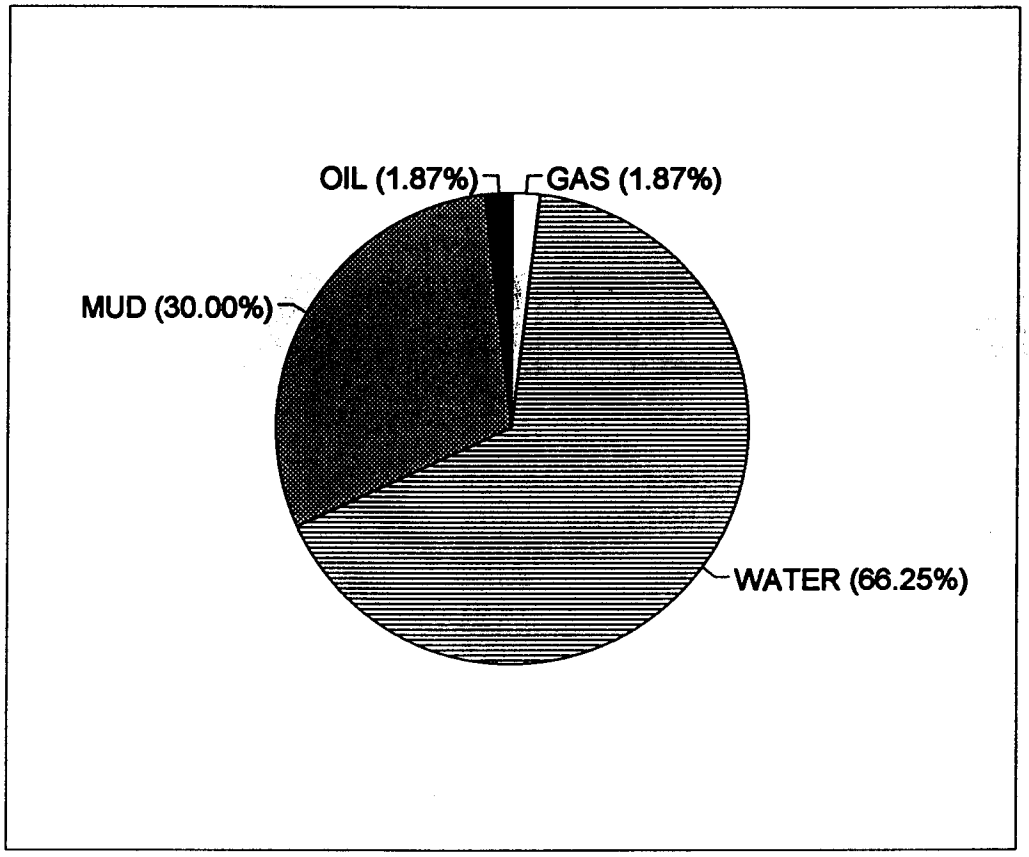
Test Successful: Y

CALCULATED RECOVERY ANALYSIS - DRILL COLLARS

DST # 2 TICKET # 8602

SAMPLE #	TOTAL FEET	GAS %	GAS FEET	OIL %	OIL FEET	WATER %	WATER FEET	MUD %	MUD FEET
1	90	5	4.5	5	4.5	10	9	80	72
2	150		0		0	100	150		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	240	1.88	4.5	1.88	4.5	66.25	159	30	72

			HRS OPE	BBL/DAY
BBL OIL=	0.022005	*	2.17	0.24371
BBL WAT	0.77751	*		8.611094
BBL MUD	0.35208			
BBL GAS	0.022005			



CONFIDENTIAL

ORIGINAL

NATURAL GAS ANALYSIS REPORT

Sampled by:
Trilobite Testing, L.L.C.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 913-625-5620

Analyzed by:
Caraway Analytical, L.L.C.
728 North Roosevelt
Liberal, Kansas 67901
Phone: 316-624-5389
Fax: 316-626-7108

Lab Number:	950584	Analyzed:	10/25/95
Sample From:	Christopher Judd 1-8 DST 2	Pressure:	
Producer:	Amoco Production Co.	Temperature:	
Date:		Location:	8-30-39
Time:		County:	Stanton
Sampler:		State:	Kansas
Source:		Formation:	Morrow

		Mole %	GPM
Helium	He:	0.879	0.000
Oxygen	O2:	0.000	0.000
Nitrogen	N2:	15.290	0.000
Carbon Dioxide	CO2:	0.478	0.000
Methane	C1:	74.893	0.000
Ethane	C2:	4.308	1.152
Propane	C3:	2.268	0.625
Iso Butane	iC4:	0.271	0.089
Normal Butane	nC4:	0.545	0.172
Iso Pentane	iC5:	0.127	0.046
Normal Pentane	nC5:	0.109	0.039
Hexanes Plus	C6+:	0.832	0.363
	TOTAL:	100.000	2.487
	Z Fact:	0.9978	
	SP.GR.:	0.7010	
	BTU (SAT):	955.9 @ 14.73 psia	
	BTU (DRY):	972.8 @ 14.73 psia	
	OCTANE RATING:	105.0	

COMMENTS: 0.039

Caraway Analytical, 25-Oct-95

TEST HISTORY

8602 DST #2 Christopher Jared #1-8 Amoco Prod. Com.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2854.21
B:	0.00	39.94
C:	10.00	62.01
D:	58.00	1218.62
E:	0.00	70.66
F:	120.00	158.11
G:	122.00	868.81
Q:	0.00	2687.55

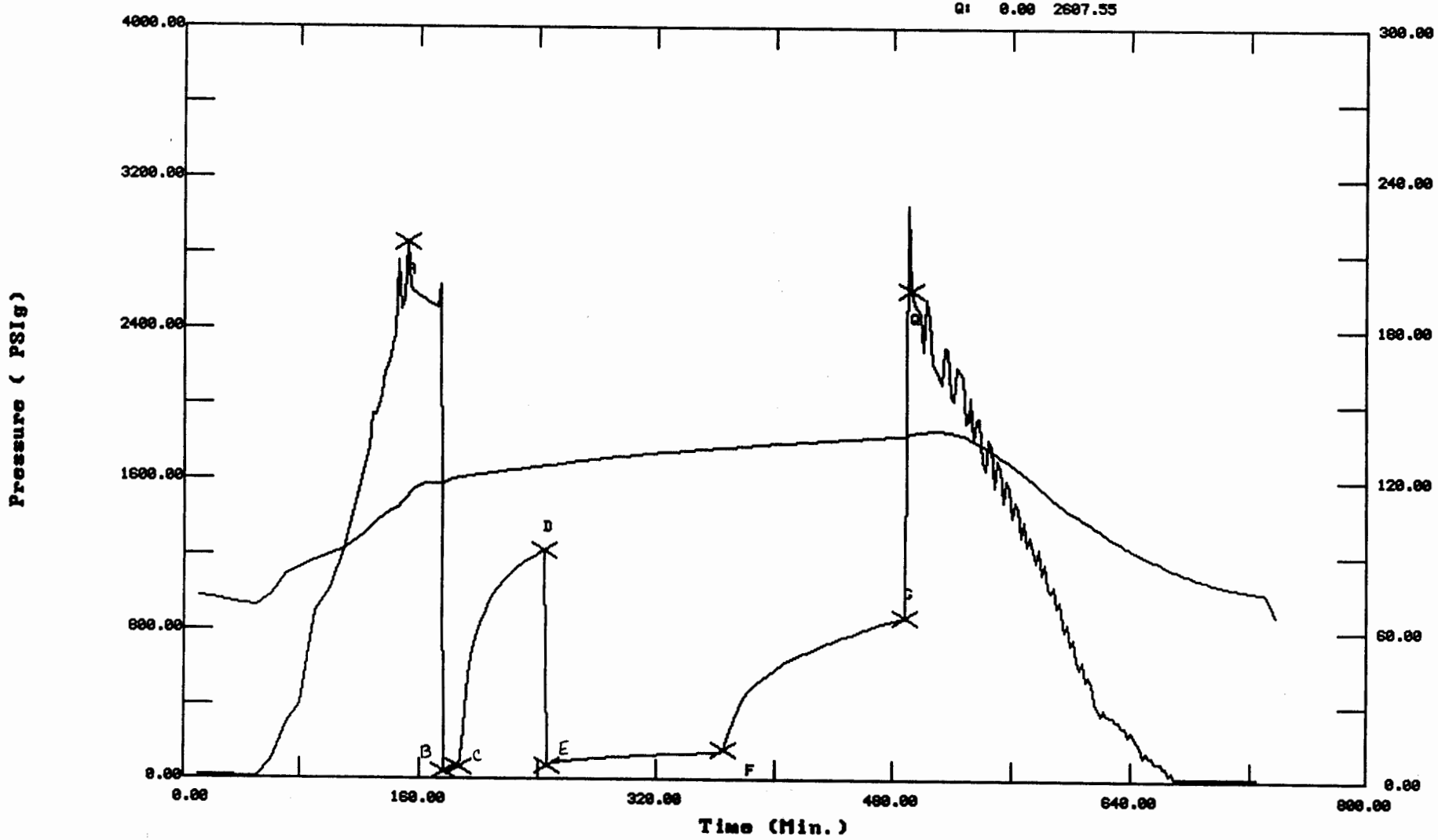
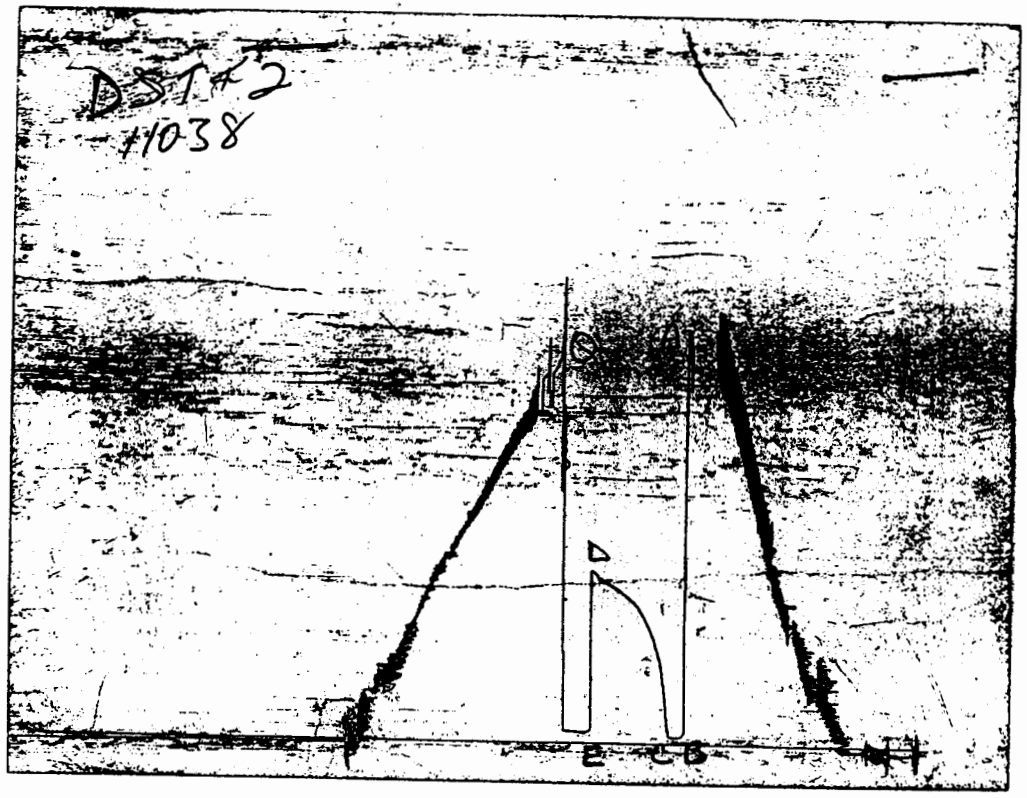


CHART PAGE



This is an actual photograph of recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8602 DST #2 Christopher Jared #1-8 Amoco Prod. Com.

DATE: 10/21/95 TIME: 18:04:57

ORIGINAL

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	152.00	2854.2	0.0	113.00		
****** Start Flow 1	0.00	39.9	0.0	118.22		
	2.00	42.5	2.5	118.76		
	4.00	48.8	8.9	119.30		
	6.00	53.5	13.5	119.84		
	8.00	57.6	17.7	120.20		
****** End Flow 1	10.00	62.0	22.1	120.38		
****** Start Shutin 1	0.00	62.0	0.0	120.38	0.0000	0.004
	2.00	184.0	122.0	120.74	6.0000	0.034
	4.00	375.0	313.0	120.74	3.5000	0.141
	6.00	553.0	491.0	120.92	2.6667	0.306
	8.00	653.0	591.0	121.10	2.2500	0.426
	10.00	723.3	661.3	121.28	2.0000	0.523
	12.00	780.3	718.3	121.46	1.8333	0.609
	14.00	828.8	766.8	121.64	1.7143	0.687
	16.00	868.7	806.7	121.82	1.6250	0.755
	18.00	905.7	843.6	122.00	1.5556	0.820
	20.00	937.2	875.2	122.18	1.5000	0.878
	22.00	964.4	902.4	122.18	1.4545	0.930
	24.00	991.6	929.6	122.36	1.4167	0.983
	26.00	1015.2	953.2	122.54	1.3846	1.031
	28.00	1033.7	971.7	122.72	1.3571	1.069
	30.00	1055.0	993.0	122.90	1.3333	1.113
	32.00	1073.8	1011.8	123.08	1.3125	1.153
	34.00	1090.0	1027.9	123.26	1.2941	1.188
	36.00	1105.2	1043.2	123.44	1.2778	1.222
	38.00	1118.7	1056.7	123.62	1.2632	1.251
	40.00	1133.0	1071.0	123.62	1.2500	1.284
	42.00	1144.1	1082.1	123.80	1.2381	1.309
	44.00	1155.0	1093.0	123.98	1.2273	1.334
	46.00	1165.2	1103.2	124.16	1.2174	1.358
	48.00	1175.1	1113.1	124.34	1.2083	1.381
	50.00	1184.7	1122.7	124.52	1.2000	1.404
	52.00	1193.6	1131.6	124.52	1.1923	1.425
	54.00	1202.4	1140.4	124.70	1.1852	1.446
	56.00	1210.7	1148.7	124.88	1.1786	1.466
****** End Shut-in 1	58.00	1218.6	1156.6	125.06	1.1724	1.485
****** Start Flow 2	0.00	70.7	0.0	125.06		
	2.00	79.6	8.9	125.24		
	4.00	84.0	13.3	125.42		
	6.00	84.8	14.1	125.60		
	8.00	87.7	17.0	125.78		
	10.00	89.9	19.2	125.96		
	12.00	93.0	22.3	126.14		
	14.00	95.1	24.4	126.32		
	16.00	96.7	26.0	126.50		
	18.00	97.5	26.9	126.68		
	20.00	99.4	28.8	126.86		
	22.00	100.7	30.0	127.04		
	24.00	102.0	31.3	127.04		
	26.00	103.6	33.0	127.22		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
TEST: 8602 DST #2 Christopher Jared #1-8 Amoco Prod. Com.
DATE: 10/21/95 TIME: 18:04:57

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	28.00	104.5	33.8	127.40		
	30.00	106.7	36.1	127.58		
	32.00	108.3	37.6	127.76		
	34.00	108.9	38.3	127.76		
	36.00	110.4	39.7	127.94		
	38.00	110.9	40.3	128.12		
	40.00	112.2	41.5	128.30		
	42.00	113.2	42.6	128.30		
	44.00	114.1	43.5	128.48		
	46.00	115.8	45.2	128.66		
	48.00	116.7	46.0	128.66		
	50.00	117.3	46.7	128.84		
	52.00	118.9	48.3	129.02		
	54.00	118.7	48.0	129.20		
	56.00	120.6	49.9	129.20		
	58.00	121.4	50.7	129.38		
	60.00	122.6	52.0	129.56		
	62.00	122.9	52.2	129.56		
	64.00	123.9	53.2	129.74		
	66.00	124.5	53.9	129.92		
	68.00	125.5	54.8	129.92		
	70.00	126.4	55.7	130.10		
	72.00	127.2	56.6	130.10		
	74.00	128.1	57.4	130.28		
	76.00	129.0	58.3	130.46		
	78.00	129.5	58.8	130.46		
	80.00	130.3	59.7	130.64		
	82.00	131.3	60.6	130.64		
	84.00	131.3	60.7	130.82		
	86.00	131.7	61.0	131.00		
	88.00	133.0	62.4	131.00		
	90.00	133.4	62.7	131.00		
	92.00	134.2	63.5	131.18		
	94.00	134.6	64.0	131.36		
	96.00	135.0	64.4	131.36		
	98.00	135.8	65.1	131.54		
	100.00	136.3	65.6	131.54		
	102.00	136.6	66.0	131.72		
	104.00	137.5	66.8	131.72		
	106.00	137.7	67.1	131.90		
	108.00	138.8	68.1	131.90		
	110.00	139.8	69.2	132.08		
	112.00	139.7	69.1	132.08		
	114.00	140.4	69.7	132.26		
	116.00	141.0	70.3	132.26		
	118.00	141.2	70.6	132.44		
****** End Flow 2	120.00	158.1	87.5	132.44		
****** Start Shutin 2	0.00	158.1	0.0	132.44	0.0000	0.025
	2.00	209.4	51.3	132.62	66.0000	0.044
	4.00	257.8	99.7	132.62	33.5000	0.066
	6.00	303.4	145.3	132.80	22.6667	0.092

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8602 DST #2 Christopher Jared #1-8 Amoco Prod. Com.

DATE: 10/21/95 TIME: 18:04:57

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
8.00	346.2	188.1	132.80	17.2500	0.120
10.00	385.0	226.9	132.98	14.0000	0.148
12.00	417.6	259.5	132.98	11.8333	0.174
14.00	446.0	287.9	133.16	10.2857	0.199
16.00	469.0	310.9	133.34	9.1250	0.220
18.00	486.8	328.7	133.34	8.2222	0.237
20.00	501.5	343.4	133.52	7.5000	0.252
22.00	514.6	356.5	133.52	6.9091	0.265
24.00	527.6	369.5	133.70	6.4167	0.278
26.00	539.6	381.5	133.70	6.0000	0.291
28.00	553.2	395.1	133.70	5.6429	0.306
30.00	565.2	407.0	133.88	5.3333	0.319
32.00	576.7	418.5	134.06	5.0625	0.333
34.00	587.3	429.2	134.06	4.8235	0.345
36.00	596.5	438.4	134.06	4.6111	0.356
38.00	606.7	448.6	134.24	4.4211	0.368
40.00	618.0	459.9	134.24	4.2500	0.382
42.00	627.1	469.0	134.42	4.0952	0.393
44.00	635.6	477.5	134.42	3.9545	0.404
46.00	643.5	485.4	134.60	3.8261	0.414
48.00	653.6	495.5	134.60	3.7083	0.427
50.00	662.7	504.6	134.78	3.6000	0.439
52.00	669.7	511.5	134.78	3.5000	0.448
54.00	676.4	518.3	134.96	3.4074	0.458
56.00	681.7	523.5	134.96	3.3214	0.465
58.00	689.6	531.5	135.14	3.2414	0.476
60.00	697.1	539.0	135.14	3.1667	0.486
62.00	703.8	545.7	135.14	3.0968	0.495
64.00	709.9	551.7	135.32	3.0312	0.504
66.00	717.2	559.1	135.32	2.9697	0.514
68.00	723.4	565.3	135.50	2.9118	0.523
70.00	729.9	571.8	135.50	2.8571	0.533
72.00	737.0	578.9	135.68	2.8056	0.543
74.00	741.7	583.6	135.68	2.7568	0.550
76.00	747.6	589.5	135.68	2.7105	0.559
78.00	754.2	596.1	135.86	2.6667	0.569
80.00	762.6	604.5	135.86	2.6250	0.582
82.00	767.6	609.5	136.04	2.5854	0.589
84.00	772.7	614.6	136.04	2.5476	0.597
86.00	777.4	619.3	136.04	2.5116	0.604
88.00	785.1	627.0	136.22	2.4773	0.616
90.00	791.8	633.7	136.22	2.4444	0.627
92.00	797.4	639.3	136.40	2.4130	0.636
94.00	802.6	644.5	136.58	2.3830	0.644
96.00	807.8	649.7	136.58	2.3542	0.653
98.00	812.6	654.5	136.58	2.3265	0.660
100.00	818.0	659.8	136.76	2.3000	0.669
102.00	824.0	665.9	136.76	2.2745	0.679
104.00	829.3	671.2	136.94	2.2500	0.688
106.00	834.6	676.5	136.94	2.2264	0.697
108.00	839.6	681.5	136.94	2.2037	0.705

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

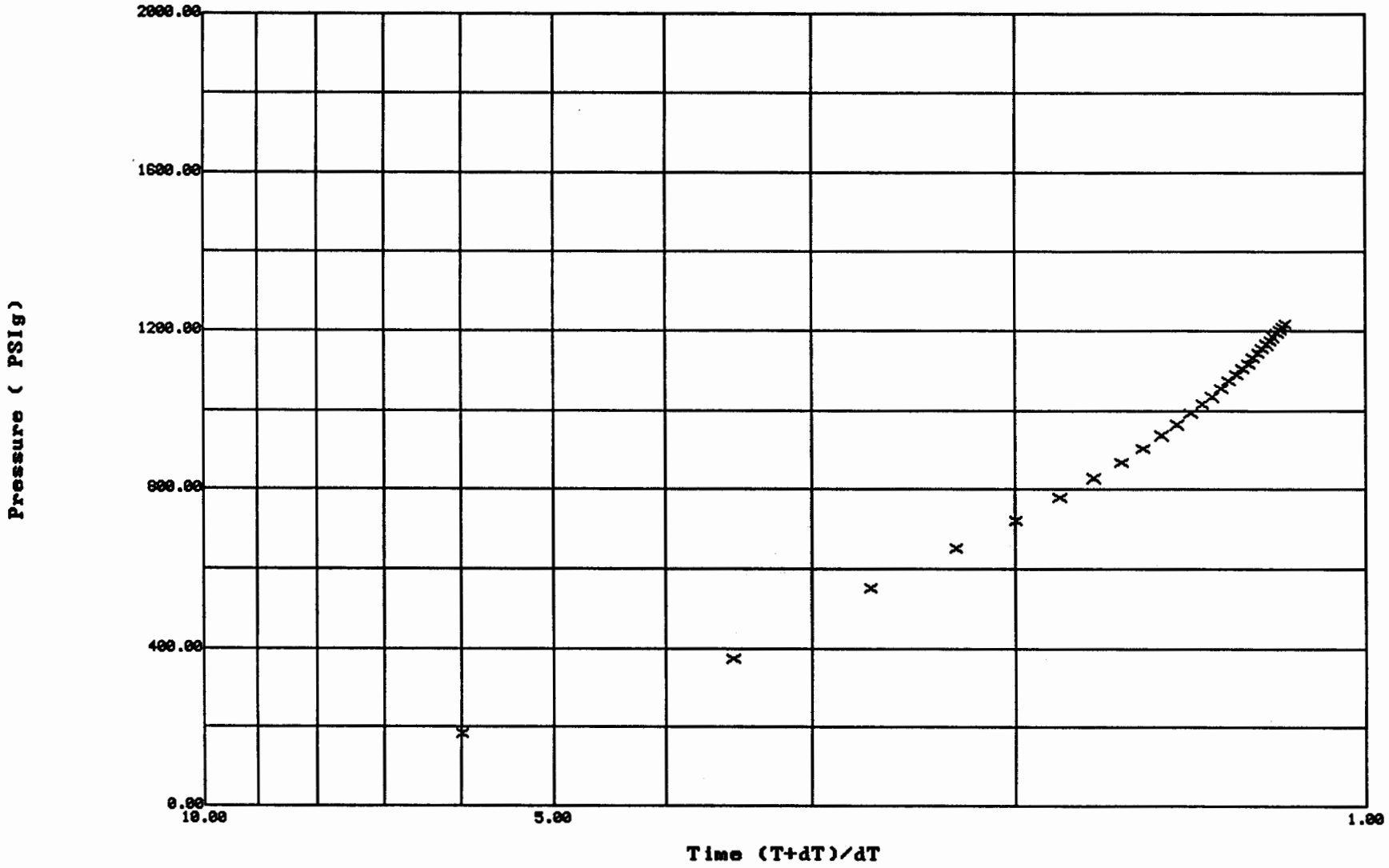
TEST: 8602 DST #2 Christopher Jared #1-8 Amoco Prod. Com.

DATE: 10/21/95 TIME: 18:04:57

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	110.00	844.3	686.2	137.12	2.1818	0.713
	112.00	849.0	690.9	137.12	2.1607	0.721
	114.00	853.2	695.1	137.12	2.1404	0.728
	116.00	857.6	699.5	137.30	2.1207	0.735
	118.00	861.5	703.4	137.30	2.1017	0.742
	120.00	865.5	707.3	137.48	2.0833	0.749
****** End Shut-in 2	122.00	868.8	710.7	137.48	2.0656	0.755
****** Final Hydro.	492.00	2607.5	0.0	138.38		

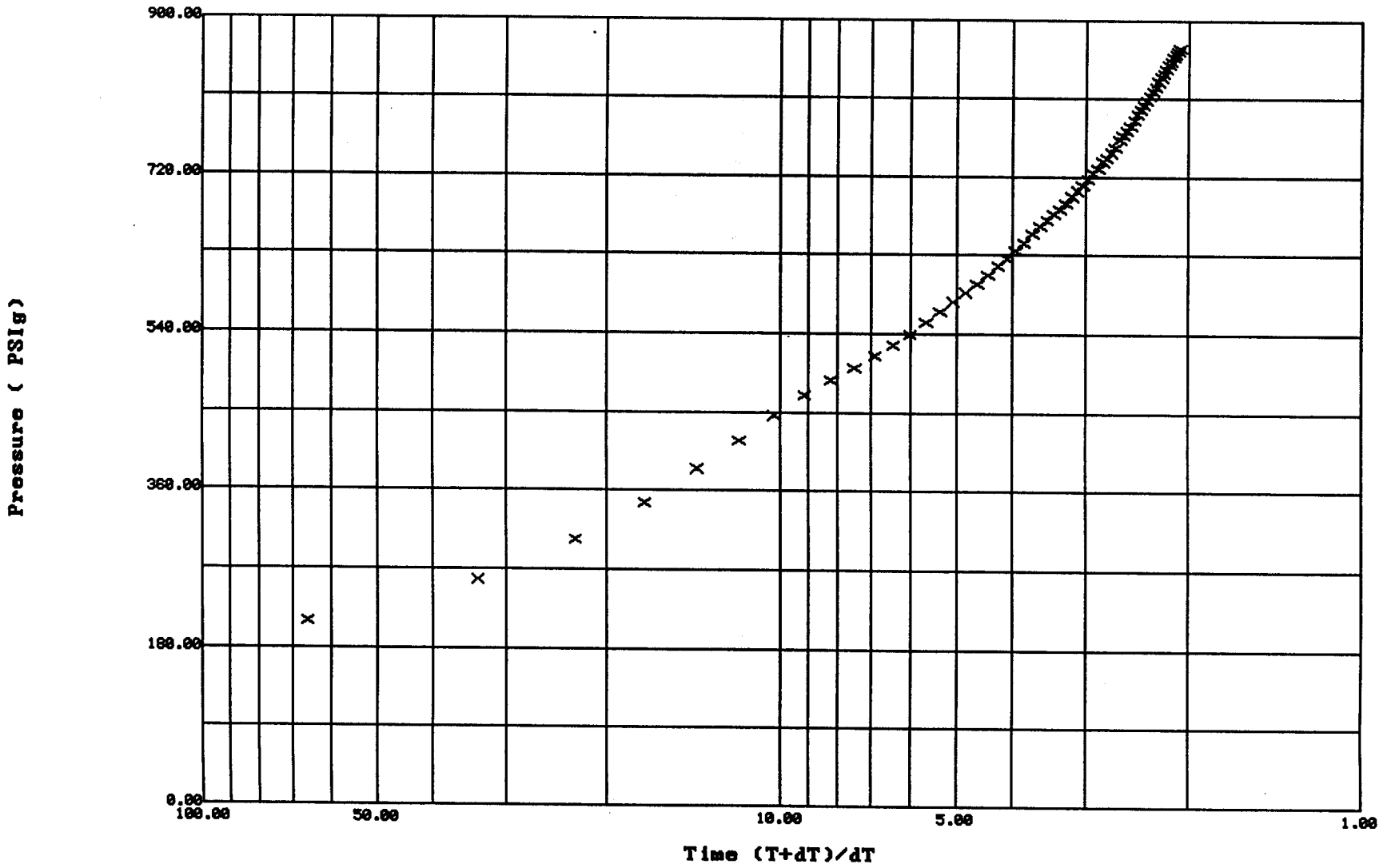
Horner Plot: shut-in #1

8602 DST #2 Christopher Jared #1-8 Amoco Prod. Com.



Horner Plot: shut-in #2

8602 DST #2 Christopher Jared #1-8 Amoco Prod. Com.



*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Christopher Jared # 1-8

LOCATION : 8-30S-39W,

TICKET No. 8602 D.S.T. No. 2 DATE 10/21/95

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 30 ft.

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 18 ft.

TOTAL TOOL ..... 48 ft.

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY .....

D.C. ABOVE TOOLS.Stands12 Single Total 728 ft.

D.P. ABOVE TOOLS.Stands76 Single 1 Total 4779 ft.

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5555 ft.

TOTAL DEPTH ..... 5533 ft.

TOTAL DRILL PIPE ABOVE K.B. ..... 22 ft.

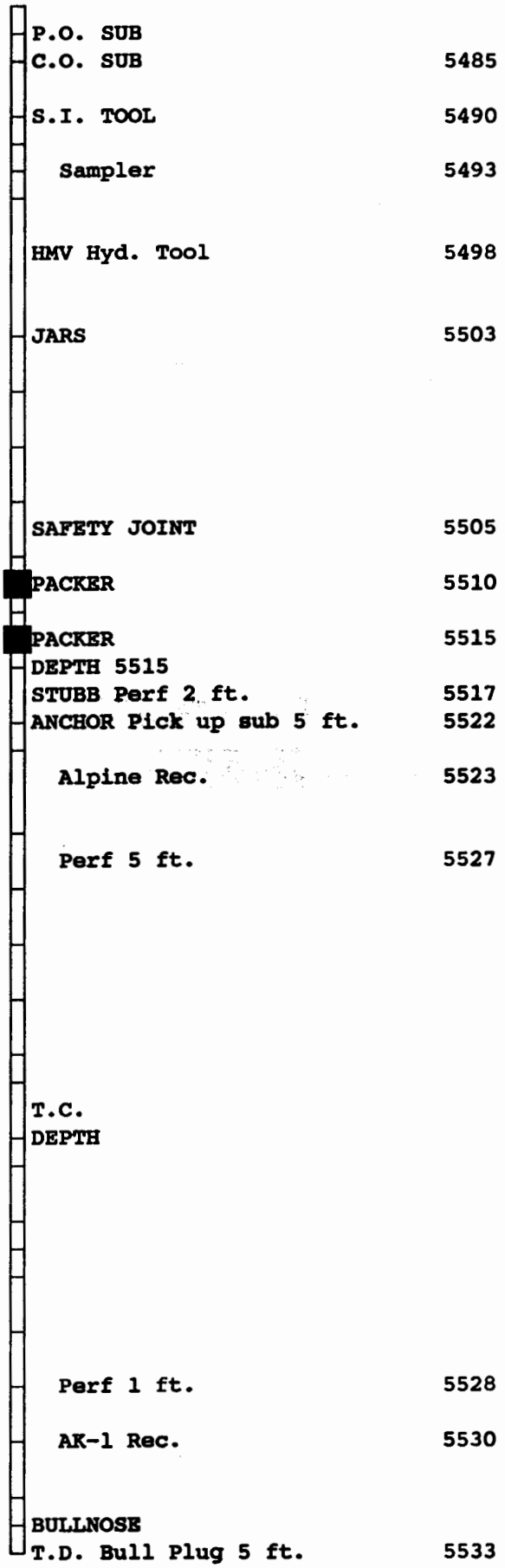
REMARKS:

FLUID SAMPLER DATA

SAMPLER RECOVERY -
Gas 12.2 cu ft, Oil 400 ml, Mud 100 ml,
Pressure 525 PSI, Total 4000 ml

PIT MUD ANALYSIS -
Chlorides 1600 ppm; Vis 69, Mud Wt 8.6,
Filtrate 7.2

PIPE RECOVERY - Bottom -
Resistivity .122 ohms @ 70 F;
Chlorides 70000 ppm



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 8602

Well Name & No. Christopher Jared #1-8 Test No. #2 Date 10-21-95

Company Amoco Prod. Com. Zone Tested Morrow

Address Box 800, Denver Co 80201 Elevation 3223 KB 3211 GL

Co. Rep / Geo. Chuck Schmaltz Cont. Cheyenne Drlg. #3 Est. Ft. of Pay ___ Por. ___ %

Location: Sec. 8 Twp. 30 Rge. 39 Co. Stanton State Ks.

No. of Copies ___ Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N) ___

Interval Tested 5515-5533 Initial Str Wt./Lbs. 100,000 Unseated Str Wt./Lbs. 105,000

Anchor Length 18' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 120,000

Top Packer Depth 5510 Hole Size — 7 7/8" ___ Rubber Size — 6 3/4" ___

Bottom Packer Depth 5515 Wt. Pipe I.D. — 2.7 Ft. Run —

Total Depth 5533 Drill Collar — 2.25 Ft. Run 728'

Mud Wt. 8.6 LCM 12 Vis. 69 WL 7.2 Drill Pipe Size 3.80 Ft. Run 4779

Blow Description Fair blow - B.O.B. in 8 min.

2nd. open - Fair blow B.O.B in 20 min.

Recovery — Total Feet 240' Ft. in DC 240' Ft. in WP ___ Ft. in DP ___

			%gas	%oil	%water	%mud
Rec. GIP?	Feet Of					
Rec. 90'	Feet Of	SOEWCM	5	5	10	80
Rec. 150'	Feet Of	Salt water			100	
Rec. ___	Feet Of					
Rec. ___	Feet Of					

BHT 138 °F Gravity 40 °API D@ 70 °F Corrected Gravity 39.2 °API

RW .122 @ 70 °F Chlorides 70,000 ppm Recovery Chlorides 1600 ppm System

(A) Initial Hydrostatic Mud	2854 PSI	Recorder No.	2341	T-Started	2000
(B) First Initial Flow Pressure	39 PSI	@ (depth)	5523	T-Open	2205
(C) First Final Flow Pressure	62 PSI	Recorder No.	11038	T-Pulled	0315
(D) Initial Shut-in Pressure	1218 PSI	@ (depth)	5530	T-Out	0700
(E) Second Initial Flow Pressure	70 PSI	Recorder No.			
(F) Second Final Flow Pressure	158 PSI	@ (depth)			
(G) Final Shut-in Pressure	868 PSI	Initial Opening	10 min.	Test	X
(H) Final Hydrostatic Mud	2607 PSI	Initial Shut-in	60 min.	Jars	X
		Final Flow	120 min.	Safety Joint	X
		Final Shut-in	120 min.	Straddle	___
				Circ. Sub	___
				Sampler	X
				Extra Packer	___
				Elect. Rec.	X
				Other	___
				TOTAL PRICE $	1300.00

Approved By Chuck Schmaltz

Our Representative Toni Vacarek

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 8602 Date 10-21-95

Company Name Amoco Prod. Com.

Lease Christopher Jared C/-8 Test No. #2

County Stanton KS Sec. 8 Twp. 30 Rng. 39

SAMPLER RECOVERY

Gas 12.2 Cubic Ft. ML

Oil 400 ML

Mud 100 ML

Water ML

Other ML

Pressure 525 PSI

Total 4000 ML

PIT MUD ANALYSIS

Chlorides 1600 ppm.

Resistivity ohms @ F

Viscosity 69

Mud Weight 8.6

Filtrate 7.2

Other

SAMPLER ANALYSIS

Resistivity ohms @ F

Chlorides ppm.

Gravity corrected @ 60 F

PIPE RECOVERY

TOP

Resistivity ohms @ F

Chlorides ppm.

MIDDLE

Resistivity ohms @ F

Chlorides ppm.

BOTTOM

Resistivity .122 ohms @ 70 F

Chlorides 70,000 ppm

TRILOBITE TESTING L.L.C.

OPERATOR : Amoco Production Company DATE 10/23/95
WELL NAME: Christopher Jared # 1-8 KB 3223.00 ft TICKET NO: 8603 DST #3
LOCATION : 8-30S-39W GR 3211.00 ft FORMATION: Morrow
INTERVAL : 5608.00 To 5627.00 ft TD 5627.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

	Mins		Field	1	2	3	4
PF	10	Rec.	11038	2341			
SI	60	Range(Psi)	5075.0	4995.0	0.0	0.0	0.0
SF	120	Clock(hrs)	12 hr	Alpin			
FS	120	Depth(ft)	5624.0	5617.0	0.0	0.0	0.0

TIME DATA----------
PF Fr. to hr
IS Fr. to hr
SF Fr. to hr
FS Fr. to hr

	Field	1	2	3	4
A. Init Hydro	0.0	2573.0	0.0	0.0	0.0
B. First Flow	0.0	0.0	0.0	0.0	0.0
B1. Final Flow	0.0	0.0	0.0	0.0	0.0
C. In Shut-in	0.0	0.0	0.0	0.0	0.0
D. Init Flow	0.0	0.0	0.0	0.0	0.0
E. Final Flow	0.0	0.0	0.0	0.0	0.0
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0
G. Final Hydro	0.0	2471.0	0.0	0.0	0.0
Inside/Outside	O	I			

T STARTED 1345 hr
T ON BOTM hr
T OPEN hr
T PULLED hr
T OUT hr

TOOL DATA----------

Tool Wt.	18000.00 lbs
Wt Set On Packer	25000.00 lbs
Wt Pulled Loose	0.00 lbs
Initial Str Wt	0.00 lbs
Unseated Str Wt	0.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	728.00 ft
D.P. Length	4873.00 ft

RECOVERY
Tot Fluid 0.00 ft of 0.00 ft in DC and 0.00 ft in DP

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION
Initial Blow -
Tool would not go to bottom
{ Tight 3 stds. off bottom.}

MUD DATA----------

Mud Type	Chemical
Weight	8.70 lb/
Vis.	68.00 S/L
W.L.	7.00 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	118.00 F
Hole Condition	BAD
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	N
Tool Chased	N
Tester	TOM HORACEK
Co. Rep.	CHUCK SCHMALTZ
Contr.	Cheyenne Drlg.
Rig #	3
Unit #	
Pump T.	

SAMPLES:
SENT TO:

Test Successful: N

TEST HISTORY

8603 DST #3 Christopher Jared #1-8 Amoco Prod. Com.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2573.64
Q:	0.00	2479.97

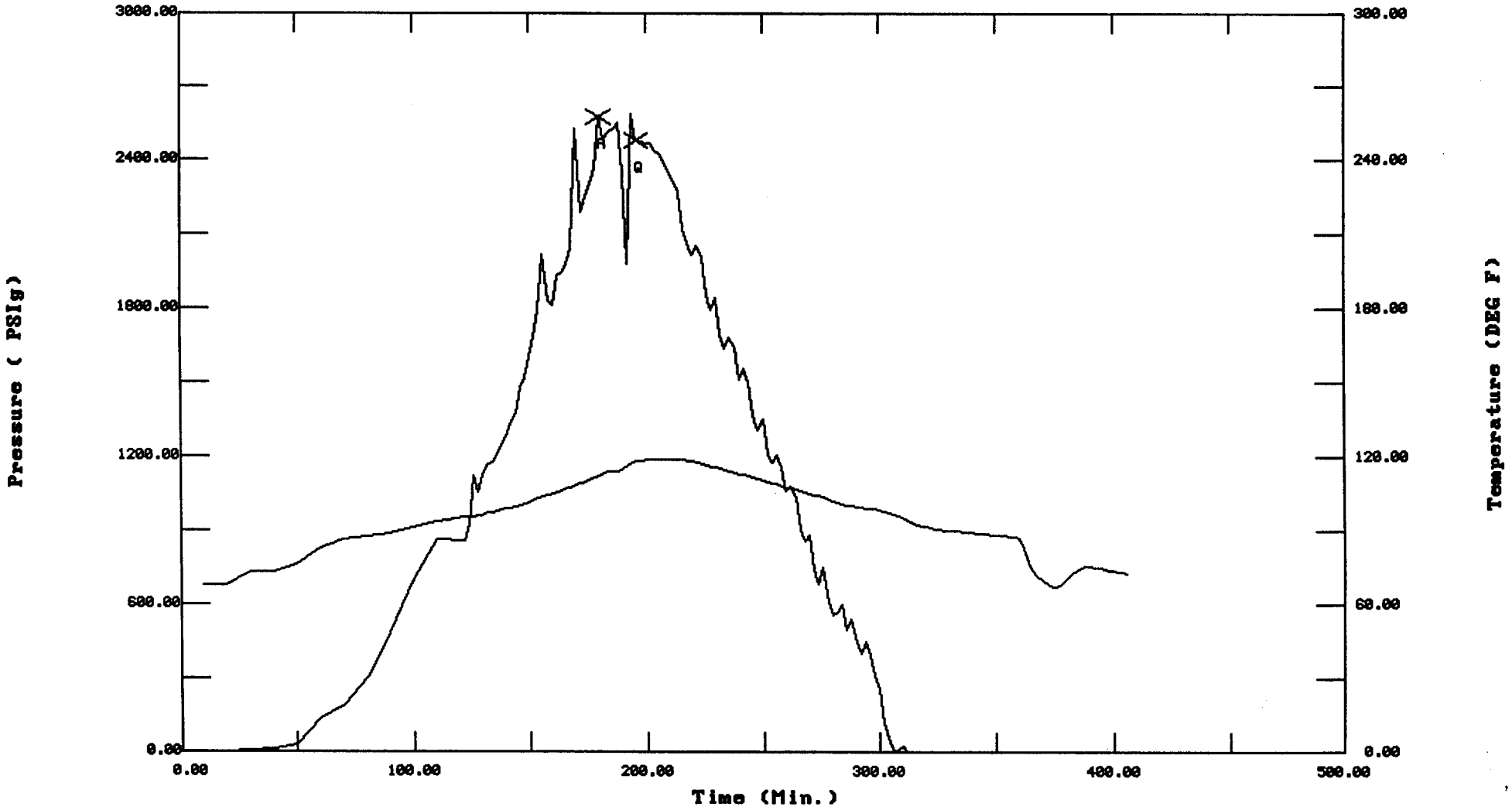
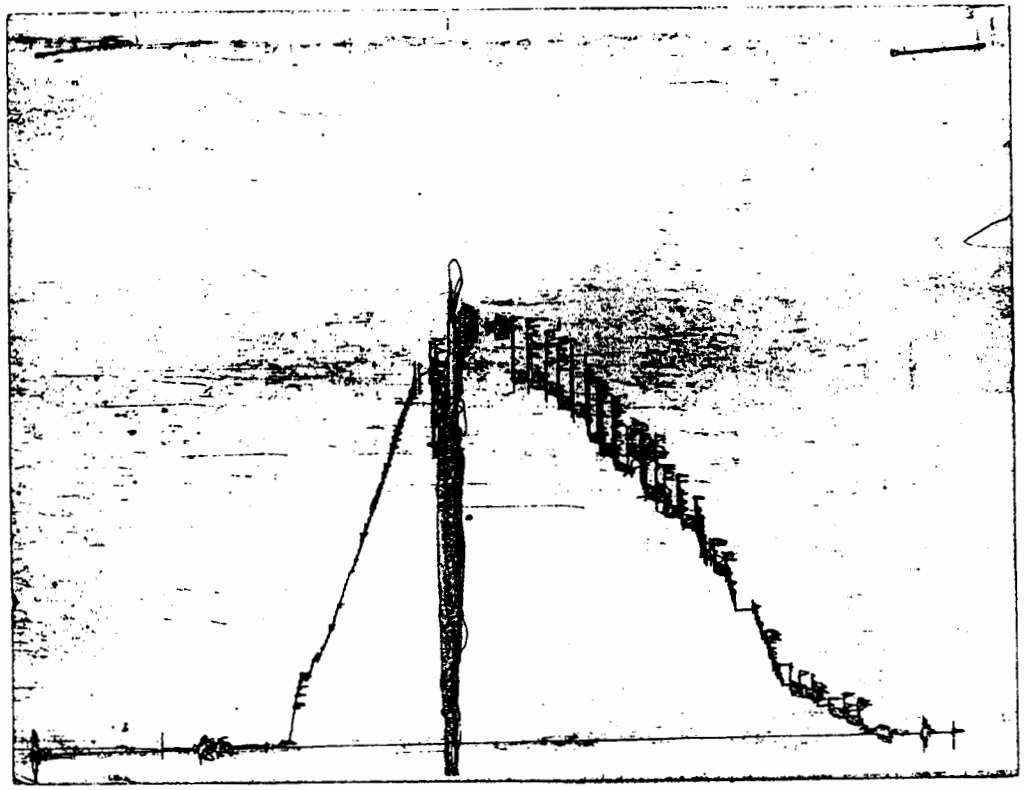


CHART PAGE



This is an actual photograph of recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8603 DST #3 Christopher Jared #1-8 Amoco Prod. Com.

DATE: 10/23/95 TIME: 12:59:39

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
**** Initial Hydro.	180.00	2573.6	0.0	112.28		
**** Start Flow 1	0.00	2480.0	0.0	118.22		
**** End Flow 1	2.00	2471.2	-8.7	118.40		
**** End Shut-in 1	199.00	2471.2	0.0	118.40	0.0101	6.107
**** Final Hydro.	198.00	2471.2	0.0	118.40		

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Christopher Jared # 1-8

LOCATION : 8-30S-39W,

TICKET No. 8603 D.S.T. No. 3 DATE 10/23/95

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 30 ft.

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 19 ft.

TOTAL TOOL ..... 49 ft.

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY .....

D.C. ABOVE TOOLS.Stands12 Single Total 728 ft.

D.P. ABOVE TOOLS.Stands78 Single Total 4873 ft.

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5650 ft.

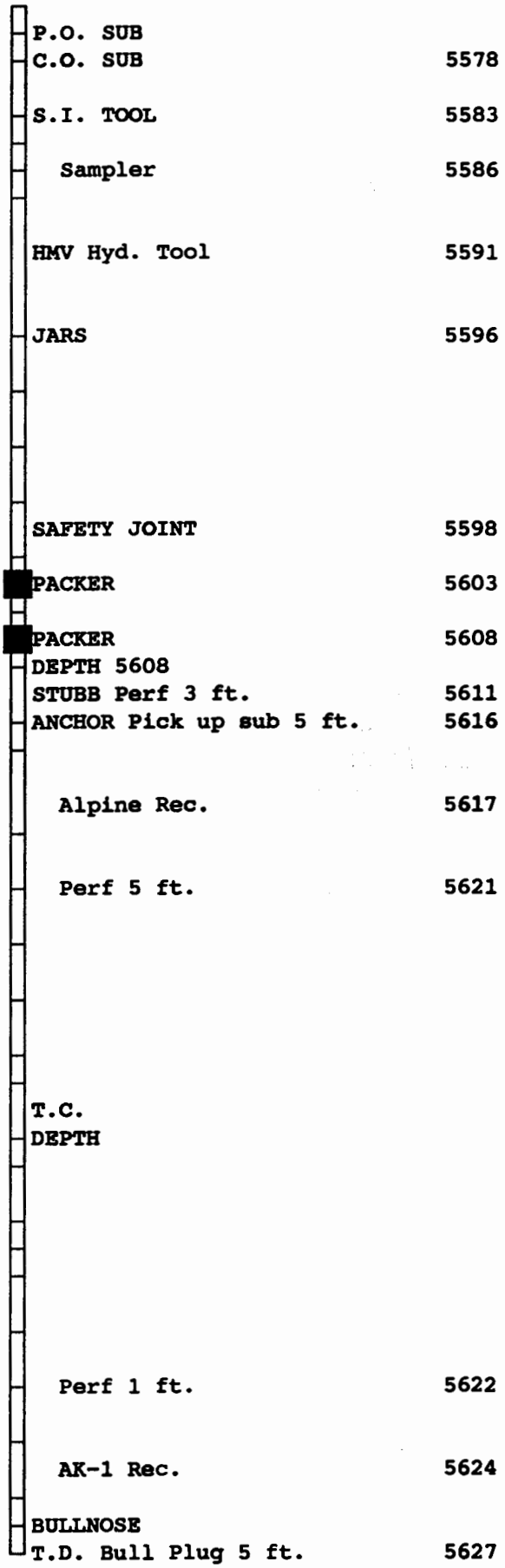
TOTAL DEPTH ..... 5627 ft.

TOTAL DRILL PIPE ABOVE K.B. ..... 23 ft.

REMARKS:

FLUID SAMPLER DATA

PIT MUD ANALYSIS -
Chlorides 1700 ppm; Viscosity 68,
Mud Wt 8.7, Filtrate 7



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No. 8603

Well Name & No. Christopher Jared #1-8 Test No. #3 Date 10-23-95

Company Amoco Prod Com. Zone Tested Morrow

Address Box 800, Denver Co. 80201 Elevation 3223 KB 3211 GL

Co. Rep / Geo. Chuck Schmaltz Cont. Cheyenne Drlg #3 Est. Ft. of Pay ___ Por. ___ %

Location: Sec. 8 Twp. 30 Rge. 39 Co. Stanton State KS.

No. of Copies ___ Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N) ___

Interval Tested 5608-5627 Initial Str Wt./Lbs. ___ Unseated Str Wt./Lbs. ___

Anchor Length 19' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. ___

Top Packer Depth 5603 Hole Size — 7 7/8" ___ Rubber Size — 6 3/4" ___

Bottom Packer Depth 5608 Wt. Pipe I.D. — 2.7 Ft. Run —

Total Depth 5627 Drill Collar — 2.25 Ft. Run 728'

Mud Wt. 8.7 LCM 7 Vis. 68 WL 7.0 Drill Pipe Size 3.80 Ft. Run 4873'

Blow Description Tool would not go to bottom, {Tight 3 stds off bott.}

Recovery — Total Feet ___ Ft. in DC ___ Ft. in WP ___ Ft. in DP ___

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

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

RW ___ @ ___ °F Chlorides ___ ppm Recovery Chlorides 1,700 ppm System

(A) Initial Hydrostatic Mud	2573 PSI	Recorder No.	2341	T-Started	1345
(B) First Initial Flow Pressure	___ PSI	@ (depth)	5617	T-Open	___
(C) First Final Flow Pressure	___ PSI	Recorder No.	11038	T-Pulled	___
(D) Initial Shut-in Pressure	___ PSI	@ (depth)	5624	T-Out	___
(E) Second Initial Flow Pressure	___ PSI	Recorder No.	___		
(F) Second Final Flow Pressure	___ PSI	@ (depth)	___		
(G) Final Shut-in Pressure	___ PSI	Initial Opening	___	Test	X
(H) Final Hydrostatic Mud	2471 PSI	Initial Shut-in	___	Jars	X
		Final Flow	___	Safety Joint	X
		Final Shut-in	___	Straddle	___
			___	Circ. Sub	___
			___	Sampler	X
				Extra Packer	___
				Elect. Rec.	X
				Other	___

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

Approved By ___

Our Representative Tom Horacek

TOTAL PRICE $ MESS Run

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 8603 Date 10-23-95

Company Name Amoco Prod. Com.

Lease Christopher Jared "A" 1-8 Test No. #3

County Stanton Ks Sec. 8 Twp. 30 Rng. 39

SAMPLER RECOVERY

Gas _____ ML

Oil _____ ML

Mud _____ ML

Water _____ ML

Other _____ ML

Pressure _____ PSI

Total _____ ML

PIT MUD ANALYSIS

Chlorides 1,700 ppm.

Resistivity _____ ohms @ _____ F

Viscosity 68

Mud Weight 8.7

Filtrate 7.0

Other _____

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

Gravity _____ corrected @ 60 F

PIPE RECOVERY

TOP

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

MIDDLE

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

BOTTOM

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.