Computer Inventoried

25-29s-40W

DRILL-STEM TEST DATA

ORIGINAL

Well Name:	YARDLEY FREDERICK #1-25				
Company :	AMOCO PRODUCTION CO				
Location - Sec:	25	**Twp:**	29S	**Rge:**	40W
County:	STANTON	**State:**	KS		
Date:	08/26/95				

15-187-20784

RELEASED

MAR 1 1996

FROM CONFIDENTIAL

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KANSAS CORPORATION COMMISSION

FEB 09 1996

CONSERVATION DIVISION
WICHITA, KS

ORIGINAL

TRILOBITE TESTING L.L.C.

OPERATOR : Amoco Production Company
WELL NAME: Yardley Frederick #1-25
LOCATION : 25-29S-40W, Stanton Cty
INTERVAL : 5590.00 To 5638.00 ft

DATE 8-26-95
KB 3242.00 ft
GR 0.00 ft
TD 5778.00 ft

TICKET NO: 8231 DST #1
FORMATION: Saint Louis
TEST TYPE: CONVEN. STRADDLE

RECORDER DATA

Mins			Field	1	2	3	4
PF	10	Rec.	AK-1	AK-1	Alpine		
SI	60	Range(Psi)	6300.0	6300.0	4995.0	0.0	0.0
SF	120	Clock(hrs)	23395	23395			
FS	120	Depth(ft)	5634.0	5634.0	5625.0	0.0	0.0

TIME DATA----------

PF Fr.	10 to	hr
IS Fr.	to	1 hr
SF Fr.	to	2 hr
FS Fr.	to	2 hr

	Field	1	2	3	4
A. Init Hydro	2566.0	2588.0	2719.0	0.0	0.0
B. First Flow	153.0	140.0	63.0	0.0	0.0
B1. Final Flow	169.0	162.0	65.0	0.0	0.0
C. In Shut-in	646.0	657.0	765.0	0.0	0.0
D. Init Flow	169.0	162.0	77.0	0.0	0.0
E. Final Flow	138.0	131.0	172.0	0.0	0.0
F. Fl Shut-in	969.0	990.0	1328.0	0.0	0.0
G. Final Hydro	2534.0	2557.0	2542.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED	03:2 hr
T ON BOTM	06:2 hr
T OPEN	06:2 hr
T PULLED	11:3 hr
T OUT	16:1 hr

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

Tool Wt.	18000.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	185000.00 lbs
Initial Str Wt	112000.00 lbs
Unseated Str Wt	52000.00 lbs
Bot Choke	7.50 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	492.00 ft
D.P. Length	5080.00 ft

RECOVERY
Tot Fluid 260.00 ft of 260.00 ft in DC and 0.00 ft in DP
20.00 ft of Slighty Oil & Slightly Gas Cut Mud - 15% Gas,
0.00 ft of 5% Oil, 80% Mud
180.00 ft of Slightly Oily & Gassy Cut Mud - 45% Gas,
0.00 ft of 5% Oil, 50% Mud
60.00 ft of Muddy Gassy Cut Oil - 35% Gas 40% Oil 25% Mud
0.00 ft of
3465.00 ft of Gas in Pipe
0.00 ft of
SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

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

Mud Type	Chemical
Weight	8.90 lb/cf
Vis.	54.00 S/L
W.L.	9.00 in3
F.C.	0.00 in
Mud Drop Y	65.0 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	3
Cushion Amt.	0.00
Cushion Type	
Reversed Out	N
Tool Chased	N
Tester	Mike Colantonio
Co. Rep.	Austin Garner
Contr.	Cheyenne Drlg.
Rig #	4
Unit #	
Pump T.	

BLOW DESCRIPTION
Initial Blow -
Very strong, bottom of bucket in 1 min

Initial Shutin -
Bled off 2", no blow back

Final Blow -
Very strong blow, bottom of bucket in 15 sec for 1 hour 40 min, bled down to 6" blow

Final Shutin -
Bled off 2", no blow back

SAMPLES:
SENT TO:

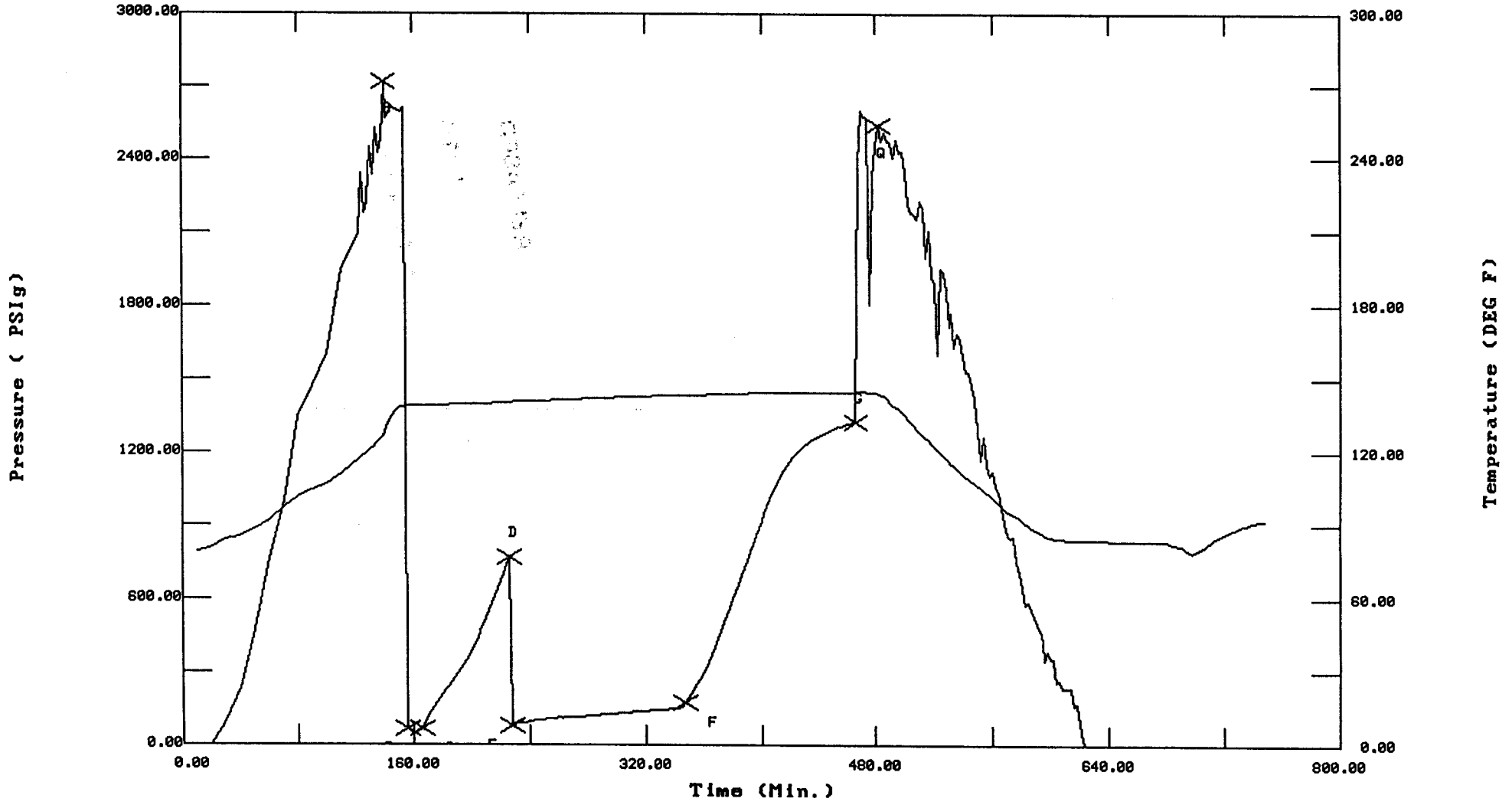
Test Successful: Y

TEST HISTORY

Amoco Production Com. DST#1 Ticket#8231 Yardley Frederick 1-25

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2718.92
B:	0.00	62.85
C:	10.00	64.70
D:	60.00	764.99
E:	0.00	76.70
F:	120.00	172.38
G:	118.00	1327.73
Q:	0.00	2541.58



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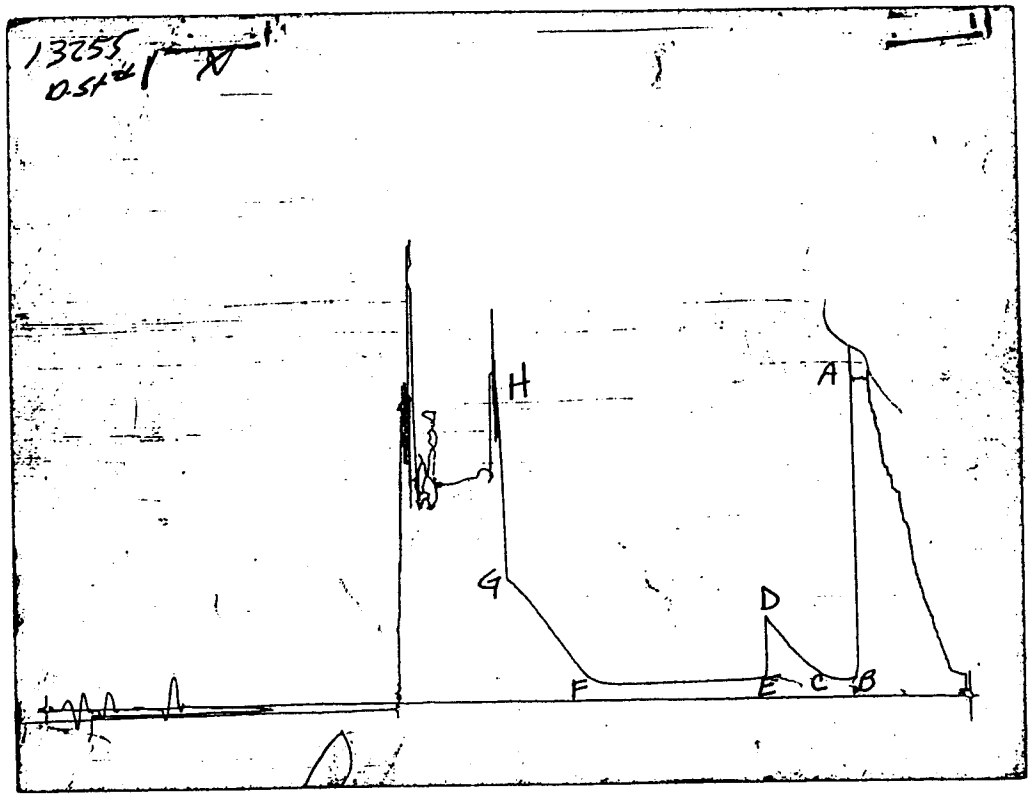


This is an actual photograph of recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Amoco Production Com. DST#1 Ticket#8231 Yardley Frederick 1-25

DATE: 08/26/95 TIME: 02:39:50

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	140.00	2718.9	0.0	128.12		
***** Start Flow 1	0.00	62.9	0.0	138.92		
	2.00	50.3	-12.6	138.92		
	4.00	39.1	-23.8	138.92		
	6.00	54.0	-8.8	138.92		
	8.00	58.0	-4.9	138.92		
***** End Flow 1	10.00	64.7	1.8	139.10		
***** Start Shutin 1	0.00	64.7	0.0	139.10	0.0000	0.004
	2.00	95.4	30.7	139.10	6.0000	0.009
	4.00	117.9	53.2	139.10	3.5000	0.014
	6.00	138.1	73.4	139.10	2.6667	0.019
	8.00	155.8	91.1	139.28	2.2500	0.024
	10.00	173.2	108.5	139.28	2.0000	0.030
	12.00	190.3	125.6	139.28	1.8333	0.036
	14.00	207.5	142.8	139.28	1.7143	0.043
	16.00	224.0	159.3	139.28	1.6250	0.050
	18.00	239.8	175.1	139.28	1.5556	0.057
	20.00	256.3	191.6	139.46	1.5000	0.066
	22.00	273.6	208.9	139.46	1.4545	0.075
	24.00	291.4	226.7	139.46	1.4167	0.085
	26.00	308.7	244.0	139.46	1.3846	0.095
	28.00	328.0	263.3	139.46	1.3571	0.108
	30.00	347.9	283.2	139.64	1.3333	0.121
	32.00	368.7	304.0	139.64	1.3125	0.136
	34.00	390.5	325.8	139.64	1.2941	0.152
	36.00	415.4	350.7	139.64	1.2778	0.173
	38.00	442.0	377.3	139.82	1.2632	0.195
	40.00	467.0	402.3	139.82	1.2500	0.218
	42.00	494.4	429.7	139.82	1.2381	0.244
	44.00	522.4	457.7	140.00	1.2273	0.273
	46.00	551.1	486.4	140.00	1.2174	0.304
	48.00	581.1	516.4	140.00	1.2083	0.338
	50.00	611.2	546.5	140.18	1.2000	0.374
	52.00	641.5	576.8	140.18	1.1923	0.412
	54.00	672.1	607.4	140.36	1.1852	0.452
	56.00	702.5	637.8	140.36	1.1786	0.493
	58.00	733.9	669.2	140.54	1.1724	0.539
***** End Shut-in 1	60.00	765.0	700.3	140.54	1.1667	0.585
***** Start Flow 2	0.00	76.7	0.0	140.54		
	2.00	84.9	8.2	140.72		
	4.00	85.0	8.3	140.72		
	6.00	86.3	9.6	140.90		
	8.00	86.4	9.7	140.90		
	10.00	89.7	13.0	140.90		
	12.00	92.6	15.9	140.90		
	14.00	94.6	17.9	140.90		
	16.00	97.2	20.5	140.90		
	18.00	98.3	21.6	140.90		
	20.00	100.5	23.8	140.90		
	22.00	102.6	25.8	141.08		
	24.00	104.1	27.4	141.08		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Amoco Production Com. DST#1 Ticket#8231 Yardley Frederick 1-25

DATE: 08/26/95 TIME: 02:39:50

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	26.00	103.1	26.4	141.08		
	28.00	106.7	30.0	141.26		
	30.00	105.3	28.6	141.26		
	32.00	109.7	33.0	141.26		
	34.00	107.6	30.9	141.44		
	36.00	109.0	32.3	141.44		
	38.00	109.8	33.1	141.44		
	40.00	112.0	35.3	141.62		
	42.00	111.0	34.3	141.62		
	44.00	111.3	34.6	141.62		
	46.00	113.9	37.2	141.80		
	48.00	114.4	37.7	141.80		
	50.00	114.6	37.9	141.98		
	52.00	116.1	39.4	141.98		
	54.00	118.2	41.5	141.98		
	56.00	118.0	41.3	141.98		
	58.00	119.5	42.8	142.16		
	60.00	120.7	44.0	142.16		
	62.00	121.8	45.1	142.16		
	64.00	121.9	45.2	142.34		
	66.00	122.6	45.9	142.34		
	68.00	126.3	49.6	142.34		
	70.00	126.1	49.4	142.34		
	72.00	126.3	49.6	142.52		
	74.00	127.6	50.9	142.52		
	76.00	128.7	52.0	142.52		
	78.00	129.3	52.6	142.52		
	80.00	131.2	54.5	142.70		
	82.00	131.3	54.6	142.70		
	84.00	133.3	56.6	142.70		
	86.00	132.8	56.1	142.70		
	88.00	134.5	57.8	142.88		
	90.00	135.3	58.6	142.88		
	92.00	135.1	58.4	142.88		
	94.00	137.2	60.5	142.88		
	96.00	139.2	62.5	142.88		
	98.00	138.9	62.2	143.06		
	100.00	139.4	62.7	143.06		
	102.00	141.7	65.0	143.06		
	104.00	141.8	65.1	143.06		
	106.00	141.4	64.7	143.06		
	108.00	143.3	66.6	143.24		
	110.00	145.6	68.9	143.24		
	112.00	145.1	68.4	143.24		
	114.00	145.8	69.1	143.24		
	116.00	145.1	68.4	143.24		
	118.00	152.4	75.7	143.24		
****** End Flow 2	120.00	172.4	95.7	143.42		
****** Start Shutin 2	0.00	172.4	0.0	143.42	0.0000	0.030
	2.00	191.8	19.4	143.42	66.0000	0.037
	4.00	210.7	38.3	143.42	33.5000	0.044

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Amoco Production Com. DST#1 Ticket#8231 Yardley Frederick 1-25

DATE: 08/26/95 TIME: 02:39:50

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
6.00	229.7	57.3	143.42	22.6667	0.053
8.00	249.0	76.6	143.60	17.2500	0.062
10.00	269.4	97.0	143.60	14.0000	0.073
12.00	290.7	118.3	143.60	11.8333	0.085
14.00	314.3	141.9	143.60	10.2857	0.099
16.00	340.7	168.3	143.78	9.1250	0.116
18.00	370.0	197.7	143.78	8.2222	0.137
20.00	401.7	229.3	143.78	7.5000	0.161
22.00	434.3	261.9	143.78	6.9091	0.189
24.00	467.4	295.0	143.78	6.4167	0.218
26.00	499.9	327.6	143.96	6.0000	0.250
28.00	532.3	360.0	143.96	5.6429	0.283
30.00	564.6	392.2	143.96	5.3333	0.319
32.00	596.1	423.8	143.96	5.0625	0.355
34.00	628.1	455.7	144.14	4.8235	0.395
36.00	659.7	487.4	144.14	4.6111	0.435
38.00	691.7	519.3	144.14	4.4211	0.478
40.00	724.2	551.8	144.14	4.2500	0.524
42.00	756.8	584.4	144.14	4.0952	0.573
44.00	789.2	616.9	144.32	3.9545	0.623
46.00	822.0	649.6	144.32	3.8261	0.676
48.00	854.7	682.3	144.32	3.7083	0.731
50.00	886.9	714.6	144.32	3.6000	0.787
52.00	918.8	746.5	144.32	3.5000	0.844
54.00	949.6	777.3	144.32	3.4074	0.902
56.00	979.6	807.2	144.50	3.3214	0.960
58.00	1008.6	836.2	144.50	3.2414	1.017
60.00	1035.8	863.4	144.50	3.1667	1.073
62.00	1061.3	889.0	144.50	3.0968	1.126
64.00	1085.3	912.9	144.50	3.0312	1.178
66.00	1107.3	935.0	144.50	2.9697	1.226
68.00	1127.7	955.4	144.50	2.9118	1.272
70.00	1146.2	973.8	144.50	2.8571	1.314
72.00	1163.1	990.7	144.50	2.8056	1.353
74.00	1178.5	1006.1	144.50	2.7568	1.389
76.00	1192.4	1020.1	144.50	2.7105	1.422
78.00	1205.2	1032.8	144.68	2.6667	1.452
80.00	1216.5	1044.1	144.68	2.6250	1.480
82.00	1227.1	1054.7	144.68	2.5854	1.506
84.00	1236.8	1064.4	144.68	2.5476	1.530
86.00	1245.6	1073.2	144.68	2.5116	1.551
88.00	1253.6	1081.2	144.68	2.4773	1.572
90.00	1261.0	1088.6	144.68	2.4444	1.590
92.00	1267.7	1095.3	144.68	2.4130	1.607
94.00	1274.2	1101.8	144.68	2.3830	1.624
96.00	1280.1	1107.8	144.68	2.3542	1.639
98.00	1285.8	1113.4	144.68	2.3265	1.653
100.00	1291.0	1118.6	144.68	2.3000	1.667
102.00	1296.1	1123.7	144.68	2.2745	1.680
104.00	1300.5	1128.2	144.68	2.2500	1.691
106.00	1305.2	1132.8	144.68	2.2264	1.703

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Amoco Production Com. DST#1 Ticket#8231 Yardley Frederick 1-25

DATE: 08/26/95 TIME: 02:39:50

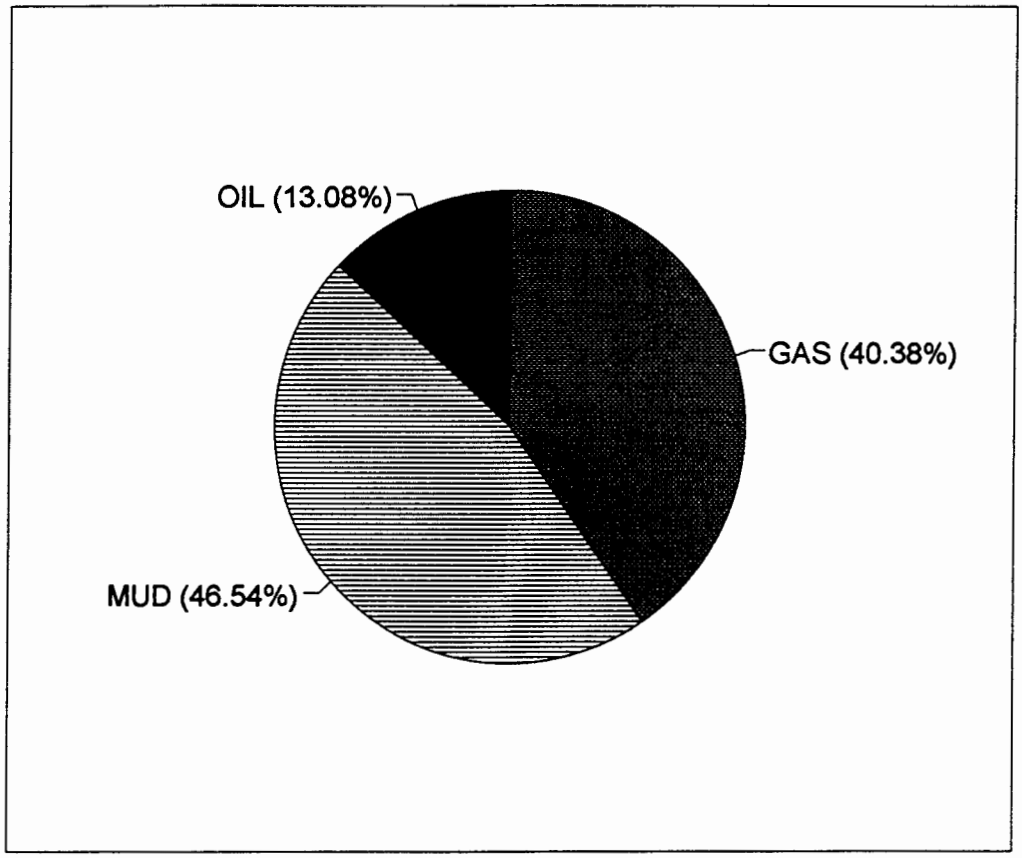
	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	108.00	1309.3	1137.0	144.68	2.2037	1.714
	110.00	1313.4	1141.0	144.68	2.1818	1.725
	112.00	1317.2	1144.9	144.68	2.1607	1.735
	114.00	1320.8	1148.5	144.68	2.1404	1.745
	116.00	1324.5	1152.2	144.68	2.1207	1.754
****** End Shut-in 2	118.00	1327.7	1155.4	144.68	2.1017	1.763
****** Final Hydro.	482.00	2541.6	0.0	143.96		

CALCULATED RECOVERY ANALYSIS - DRILL COLLARS

DST # 1 TICKET # 8231

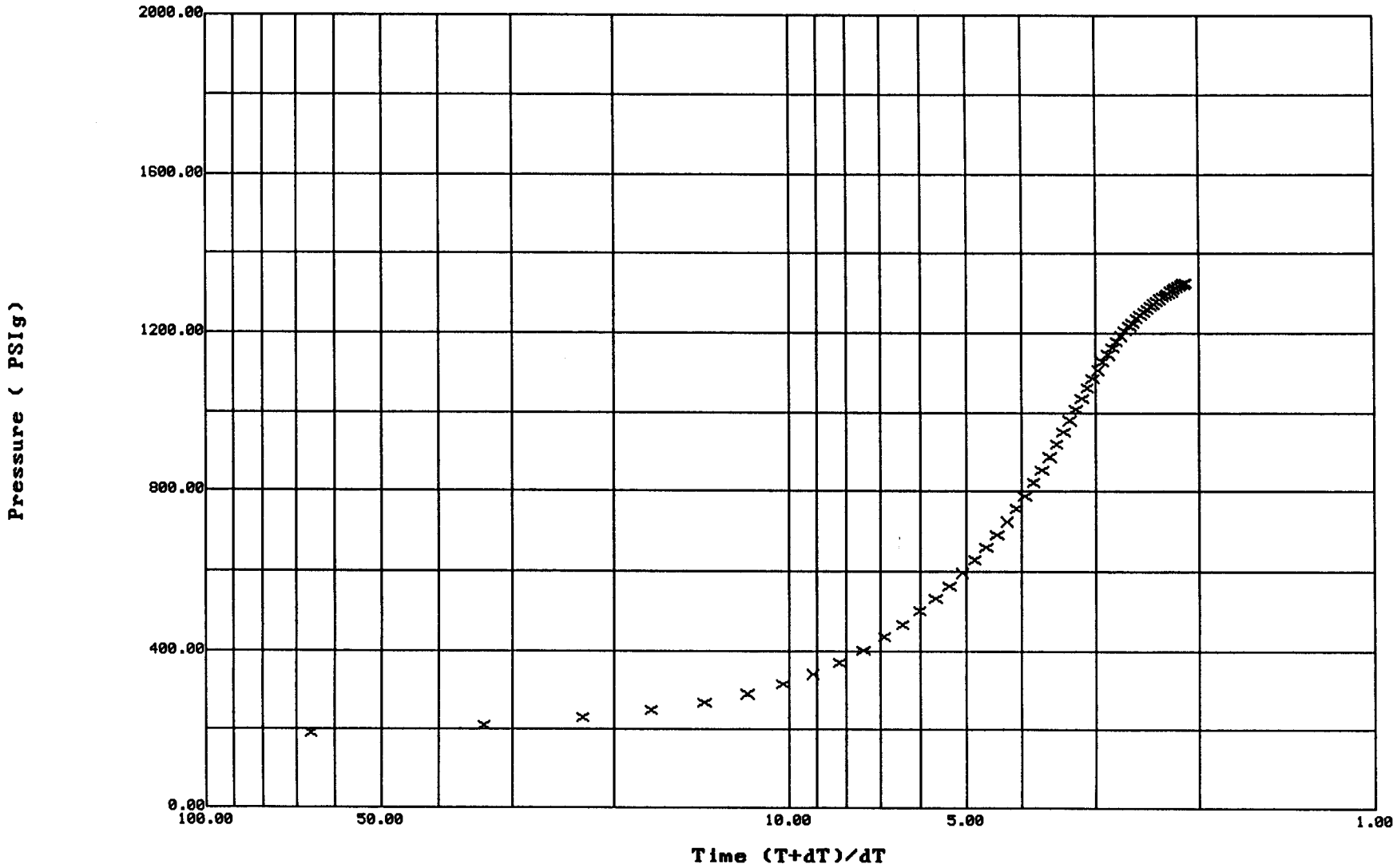
SAMPLE #	TOTAL FEET	GAS %	GAS FEET	OIL %	OIL FEET	WATER %	WATER FEET	MUD %	MUD FEET
1	20	15	3	5	1		0	80	16
2	180	45	81	5	9		0	50	90
3	60	35	21	40	24		0	25	15
4			0		0		0		0
5			0		0		0		0
TOTAL	260	40.38	105	13.08	34	0.00	0	46.53846	121

			HRS OPE	BBL/DAY
BBL OIL=	0.16626	*	2.17	1.841366
BBL WAT	0	*		0
BBL MUD	0.59169			
BBL GAS	0.51345			



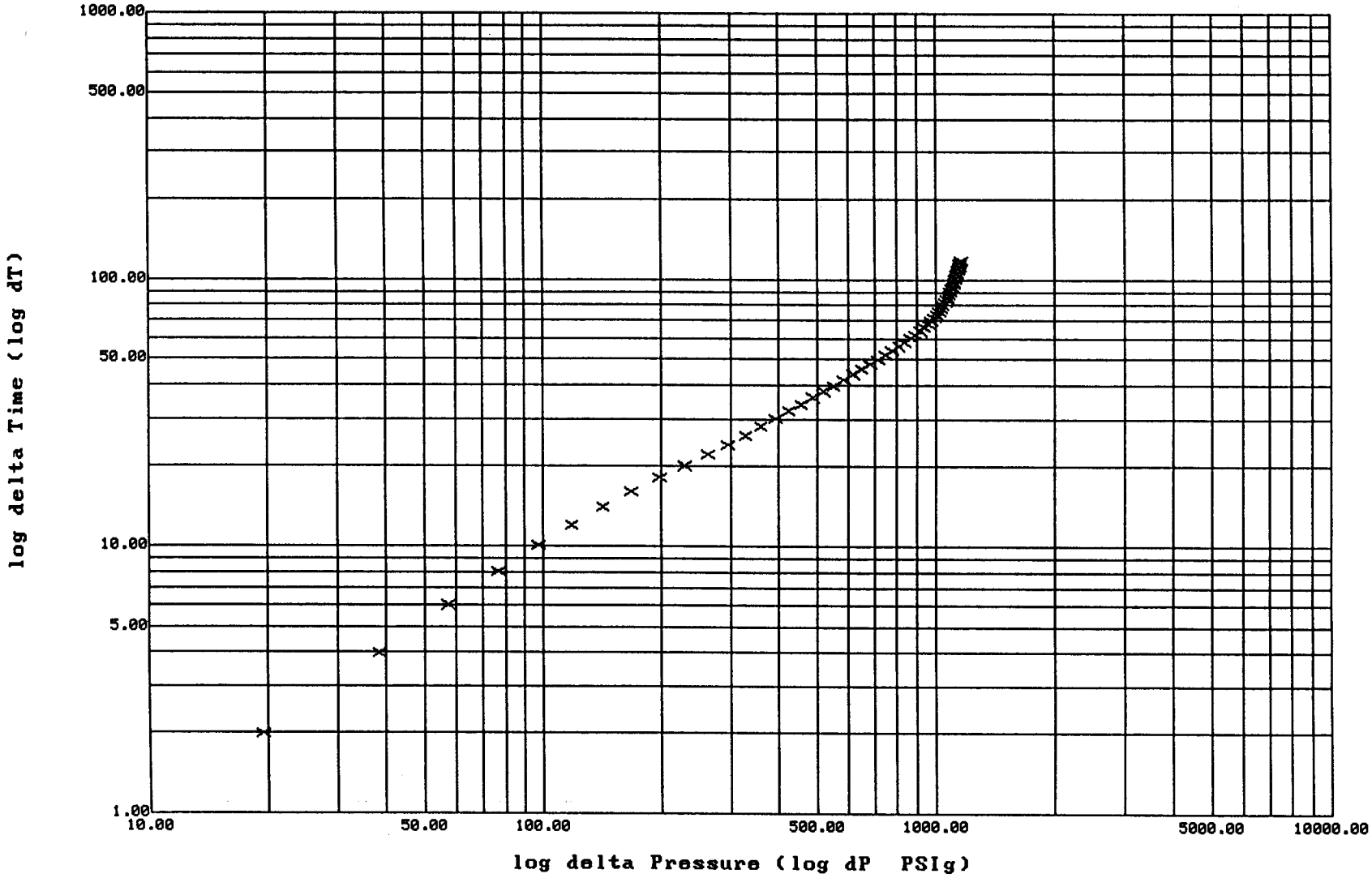
Horner Plot: shut-in #2

Amoco Production Com. DST#1 Ticket#8231 Yardley Frederick 1-25



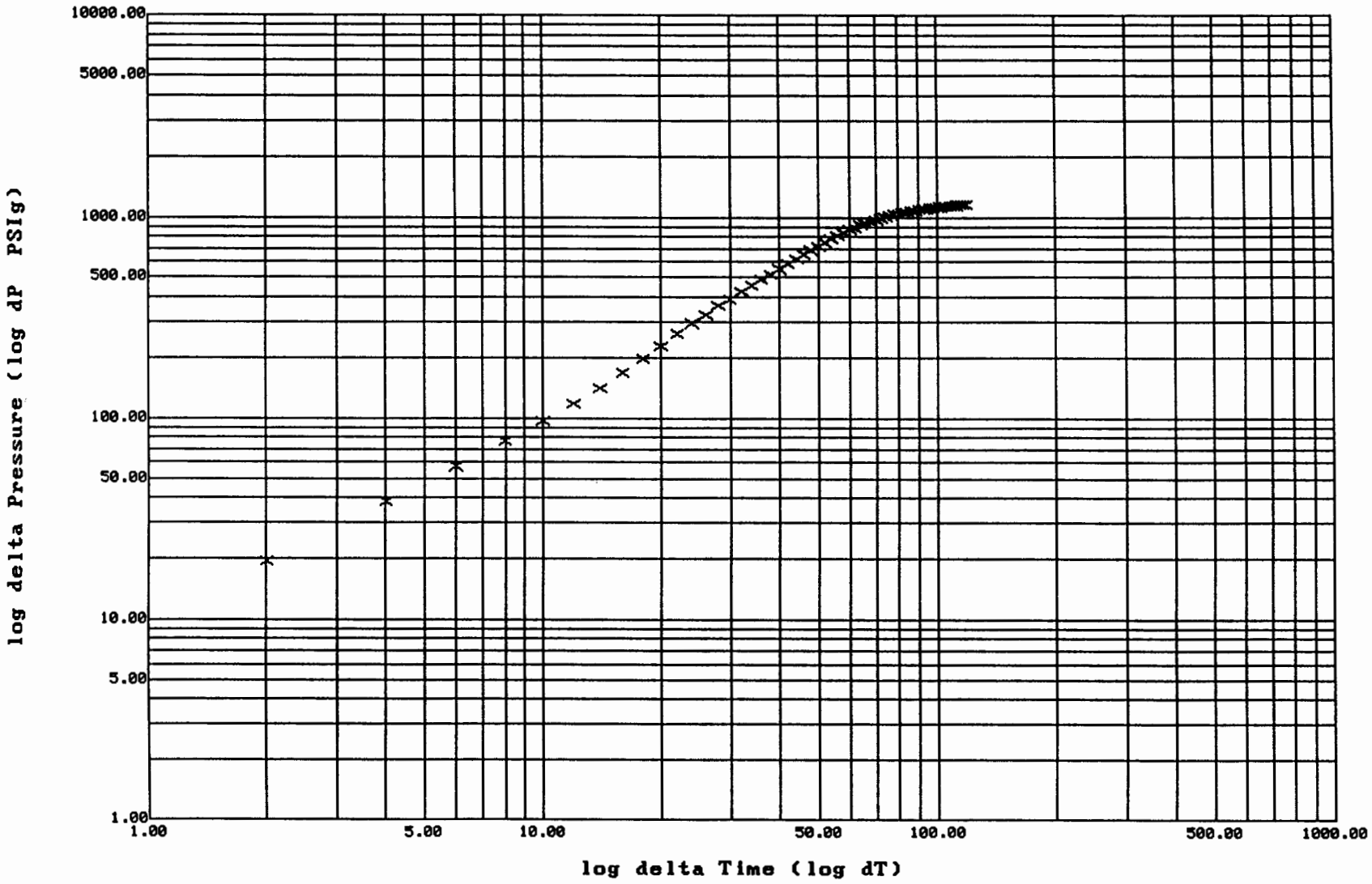
McKinley Plot: shut-in #2

Amoco Production Com. DST#1 Ticket#8231 Yardley Frederick 1-25



Ramey Plot: shut-in #2

Amoco Production Com. DST#1 Ticket#8231 Yardley Frederick 1-25



*** TOOL DIAGRAM *** CONVEN. STRADDLE

WELL NAME: Yardley Frederick #1-25

LOCATION : 25-29S-40W, Stanton Cty

TICKET No. 8231 D.S.T. No. 1 DATE 8-26-95

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 21ft.

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 49ft.

TOTAL TOOL ..... 70ft.

DRILL COLLAR ANCHOR IN INTERVAL ..... 184ft.

D.C. ANCHOR STND.Stands2 Single 1 Total 149ft.

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY ..... 219ft.

D.C. ABOVE TOOLS.Stands8 Single Total 484ft.

D.P. ABOVE TOOLS.Stands82 Single Total 5080ft.

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5790ft.

TOTAL DEPTH ..... 5778ft.

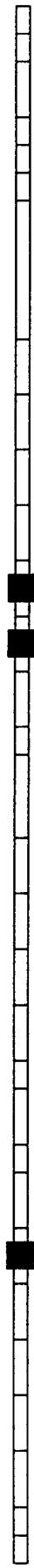
TOTAL DRILL PIPE ABOVE K.B. ..... 12ft.

REMARKS:

FLUID SAMPLER DATA

SAMPLER RECOVERY -
Gas 2.6 ML, Oil 2997.4 ML, Mud 1000 ML,
Pressure 1750 PSI, Total 4000 ML

PIT MUD ANALYSIS -
Chlorides 2000 ppm; Resist .3 ohms @ 70 F;
Viscosity 49, Mud Wt 8.9, Filtrate 9.0



P.O. SUB	
C.O. SUB 1ft.	5558
S.I. TOOL 5ft.	5559
3ft. sampler	5564
HMV 5ft. HYD.	5567
JARS 7ft jars	5572
SAFETY JOINT 2ft.	5579
PACKER 5ft.	5581
PACKER 5ft.	5586
DEPTH 5590ft.	
STUBB	
ANCHOR	
2ft.perf	5591
1ft c/o sub	5593
29ft. collars	5594
1ft,. c/o sub	5523
Alpine Rec.	5625
6ft pick up sub	5624
4ft. perf	5630
T.C.	
DEPTH 5632ft.	
PACKER 5ft.Straddle	5634
1ft. blank off sub	5639
5ft. perf	5640
5ft. perf	5645
3ft. perf	5650
1ft. c/o sub	5653
120ft. Collars	5654
BULLNOSE 1ft. double pin	5774
T.D. Bull plug 3ft.	5575