

CONFIDENTIAL

WELL NAME: Honas #1
COMPANY: John O' Farmer
LOCATION: Sec. 21 Twp. 14S Rge. 22W
Trego County Kansas
DATE: 02/07/97

ORIGINAL
RELEASED

15-195-22187
FROM

CONFIDENTIAL

TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : John O'Farmer Inc

DATE 2/2/97

WELL NAME: Honas #1

KB 2240.00 ft

TICKET NO: 9485

DST #1

LOCATION : 21-14S-22W Trego KS

GR 2232.00 ft

FORMATION: Pawnee

INTERVAL : 3979.00 To 4007.00 ft

TD 4007.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 45 Rec.	10248	10248	13788			PF Fr. 1715 to 1800 hr
SI 45 Range(Psi)	4400.0	44000.0	4650.0	0.0	0.0	IS Fr. 1800 to 1845 hr
SF 45 Clock(hrs)	12 Hr	12 Hr	12 Hr			SF Fr. 1845 to 1930 hr
FS 60 Depth(ft)	3999.0	3999.0	4004.0	0.0	0.0	FS Fr. 1930 to 2030 hr

	Field	1	2	3	4	
A. Init Hydro	1903.0	1912.0	0.0	0.0	0.0	T STARTED 1530 hr
B. First Flow	28.0	48.0	0.0	0.0	0.0	T ON BOTM 1710 hr
B1. Final Flow	46.0	62.0	0.0	0.0	0.0	T OPEN 1715 hr
C. In Shut-in	1008.0	1015.0	0.0	0.0	0.0	T PULLED 2030 hr
D. Init Flow	55.0	89.0	0.0	0.0	0.0	T OUT 2230 hr
E. Final Flow	110.0	99.0	0.0	0.0	0.0	
F. Fl Shut-in	1084.0	1082.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1876.0	1865.0	0.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	0			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 0.00 lbs
						Initial Str Wt 40000.00 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 0.00 ft
						D.P. Length 3965.00 ft

RECOVERY

Tot Fluid 164.00 ft of 0.00 ft in DC and 164.00 ft in DP
 15.00 ft of Clean Oil
 25.00 ft of Mud Cut Oil 5% gas 60% oil 35% mud
 62.00 ft of Oil Cut Watery Mud 18% oil 27% water 55% mud
 62.00 ft of Muddy Water with Oil specs 88% water 12% mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

SALINITY 55000.00 P.P.M. A.P.I. Gravity 36.50

BLOW DESCRIPTION

Initial Flow:

Fair blow, slow increase to 12"

Initial Shut In:

RELEASED

Final Flow:

MAY 18 1990

Final Shut In:

FROM THE FIELD A.

SAMPLES:

SENT TO:

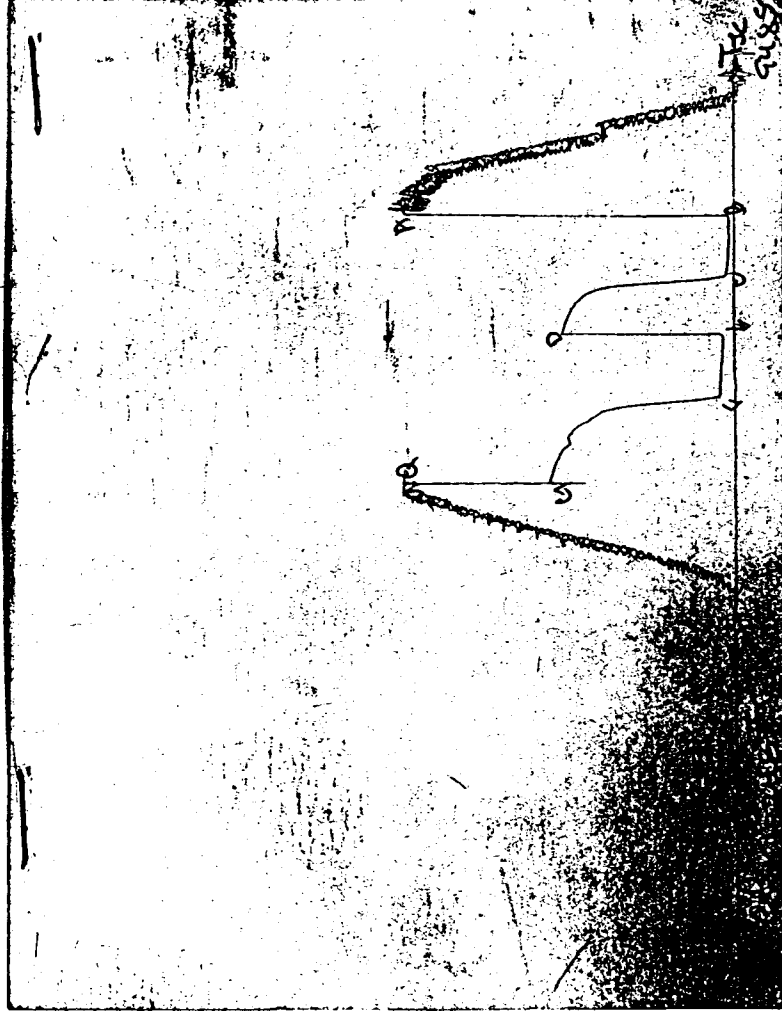
MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/c
Vis.	46.00 S/L
W.L.	10.40 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	112.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Gary Pevoteaux
Co. Rep.	Martin Dubois
Contr.	Discovery Drlg.
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

OPERATOR : John O.Farmer Inc.

DATE 02-03-97

WELL NAME: Honas #1

KB 2240.00 ft

TICKET NO: 9486

DST #2

LOCATION : 21-14S-22W Trego KS

GR 2232.00 ft

FORMATION: Cherokee Sand. C

INTERVAL : 4116.00 To 4128.00 ft

TD 4128.00 ft

TEST TYPE: CONV.

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	10248	10248	3024			PF Fr. 1719 to 1734 hr
SI 30 Range(Psi)	4400.0	4400.0	4995.0	0.0	0.0	IS Fr. 1734 to 1804 hr
SF 15 Clock(hrs)	12 HR	12 HR	Elec			SF Fr. 1804 to 1819 hr
FS 30 Depth(ft)	4125.0	4125.0	4122.0	0.0	0.0	FS Fr. 1819 to 1849 hr

	Field	1	2	3	4	
A. Init Hydro	2019.0	2027.0	2025.0	0.0	0.0	T STARTED 1543 hr
B. First Flow	34.0	54.0	34.0	0.0	0.0	T ON BOTM 1715 hr
B1. Final Flow	85.0	96.0	101.0	0.0	0.0	T OPEN 1719 hr
C. In Shut-in	1189.0	1177.0	1187.0	0.0	0.0	T PULLED 1850 hr
D. Init Flow	114.0	138.0	115.0	0.0	0.0	T OUT 2140 hr
E. Final Flow	171.0	179.0	178.0	0.0	0.0	
F. Fl Shut-in	1165.0	1153.0	1170.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1986.0	2032.0	1994.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I	T		Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 50000.00 lbs
						Initial Str Wt 41000.00 lbs
						Unseated Str Wt 43000.00 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 0.00 ft
						D.P. Length 4120.00 ft

RECOVERY

Tot Fluid 440.00 ft of 0.00 ft in DC and 440.00 ft in DP
 620.00 ft of Gas in Pipe.
 315.00 ft of Gassy Oil Gas approx.12%
 125.00 ft of Slight Oil Cut Muddy Water 4%O 16%M 80%W
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of EST. FT. OF PAY-----5
 SALINITY 48000.00 P.P.M. A.P.I. Gravity 36.00

BLOW DESCRIPTION

Initial Flow:
 Stron blow, bottom of bucket in 3.75
 mins
 Initial Shut In:
 Weak to fair blow

Final Flow:
 Strong blow, Bottom of bucket in 5
 mins.

Final Shut In:
 Weak to fair blow

SAMPLES: none

SENT TO:Caraway / Liberal Ks

Test Successful: Y

MUD DATA-----

Mud Type	Chemical
Weight	9.30 lb/c
Vis.	49.00 S/L
W.L.	8.00 in3
F.C.	0.20 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	121.00 F
Hole Condition	good
% Porosity	20.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 N
Cushion Type	None
Reversed Out N	
Tool Chased N	
Tester	Gary Pevoteaux
Co. Rep.	Martin Dubois
Contr.	Discovery Drlg.
Rig #	1
Unit #	
Pump T.	LCM tr#/bl

*** TOOL DIAGRAM *** CONV.

WELL NAME: Honas #1

LOCATION : 21-14S-22W Trego KS

TICKET No. 9486 D.S.T. No. 2 DATE 02-03-97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 12

TOTAL TOOL 32

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 32

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands66 Single 1 Total 4120

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4152

TOTAL DEPTH 4128

TOTAL DRILL PIPE ABOVE K.B. 24

REMARKS:

FLUID SAMPLER DATA

(not run)

GAS----- Cubic ft.

OIL-----

MUD-----

WATER-----

OTHER-----

PRESSURE-----

Rw-----N/A PSI
ohms @
degrees F

CHLORIDES-----N/A ppm

Comment:Evaluation and Resivoir calc. Fax
to J.O. office early if you can.Fax#483-6020

P.O. SUB	
C.O. SUB @ Top of Tool	4096
S.I. TOOL	4102
HMV	4107
JARS	
SAFETY JOINT	
PACKER Top	4111
PACKER Bottom	4116
DEPTH 4116	
STUBB 1'	4117
ANCHOR	
perfs	
Alpine Rec. @ 4122	
T.C.	
DEPTH	
6 ft. perfs to	4123
AK-1 rec. @ 4125	
BULLNOSE 5' perforated to	4128
T.D.	

Operator.....: John O' Farmer

Well Name.....: Honas #1

DST Number.....: 2

Location.: 21-14S-22W Trego KS Recorder No....: 3024

Test Type: Conv Recorder Depth: 4122

Formation: Cherokee Sand "C" Test Interval.: 4115 to 4128

RESERVOIR CALCULATIONS: Fluid calculations based on shut-in #2

RESERVOIR PARAMETERS USED:

Net Pay.....:	5.00 ft
Porosity.....:	20.00 %
Bottom Hole Temp.....:	121.00 F
Specific Gravity.....:	0.030
API Gravity.....:	36.00
Compressibility.....:	0.000003 /psi
Viscosity.....:	6.0915 cp
Total Recovery.....:	440.00 ft
Total Flowing Time.....:	30.00 min.
Flow Rate.....:	192.62 bbls/d
Final Flowing Pressure.....:	178.00 psi
Horner Slope.....:	103.9813 psi/cycle
Extrapolated Pressure.....:	1197.99 psi
Formation Volume Factor.....:	1.03 Reservoir/Surface
Well Bore Radius.....:	3.94 in

RESULTS:

Effective Permeability.....:	378.297833 md
Flow Capacity.....:	1891.4892 md.ft
Transmissibility.....:	310.5129 md.ft/cp
Skin Factor.....:	5.5280
Radius of Investigation.....:	193.14736 ft
Damage Ratio.....:	1.9593
Productivity Index.....:	0.1888 bbls/psi.d
Productivity Index W/O Damage..:	0.3700 bbls/psi.d

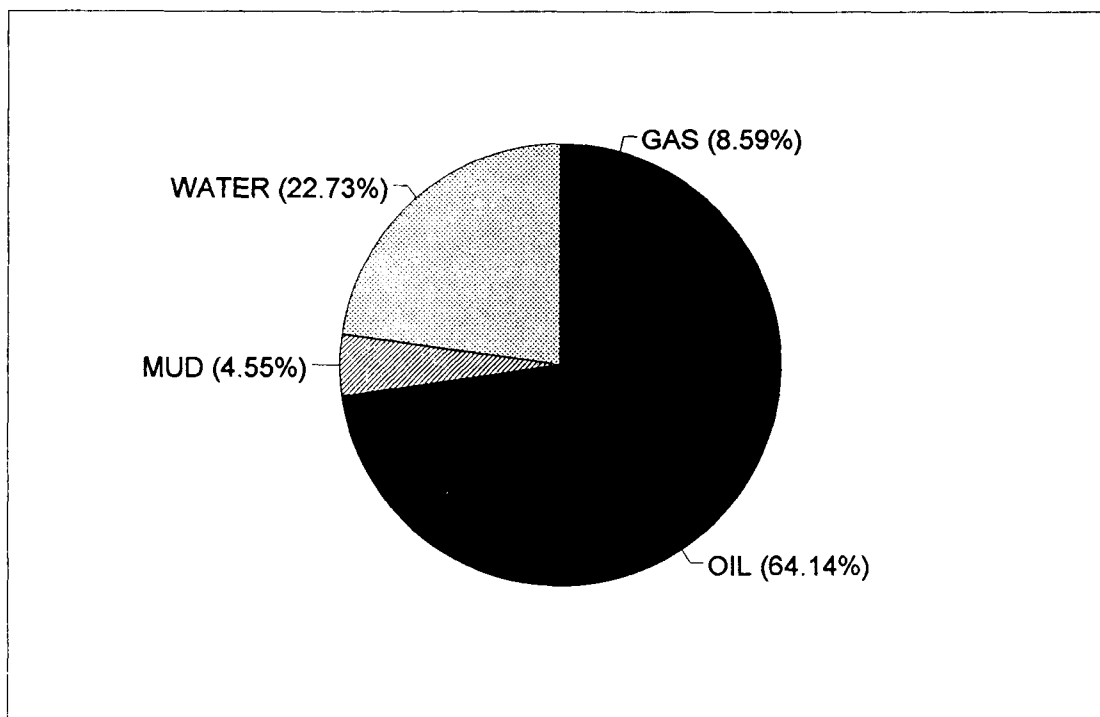
CALCULATED RECOVERY ANALYSIS - DRILL PIPE

DST 2

TICKET 9756

SAMPLE	TOTAL	GAS		OIL		WATER		MUD	
#	FEET	%	FEET	%	FEET	%	FEET	%	FEET
1	315	12	37.8	88	277.2		0		0
2	125		0	4	5	80	100	16	20
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
TOTAL	440		37.8		282.2		100		20

			HRS OPEN		BBL/DAY
BBL OIL=	4.012884	*	0.5	=	192.6184
BBL WATER=	1.422	*		=	68.256
BBL MUD=	0.2844				
BBL GAS =	0.537516				



 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9486 DST#2 HONAS #1 JOHN O. FARMER INC.

DATE: 02/03/97

TIME: 15:43:15

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	91.00	2025.0	0.0	99.63		
***** Start Flow 1	0.00	34.3	0.0	101.50		
	1.00	37.3	2.9	104.51		
	2.00	41.0	6.7	107.93		
	3.00	46.9	12.6	110.82		
	4.00	54.8	20.5	113.05		
	5.00	60.6	26.3	114.73		
	6.00	65.6	31.3	115.97		
	7.00	70.9	36.6	116.89		
	8.00	75.8	41.5	117.59		
	9.00	81.2	46.9	118.12		
	10.00	86.4	52.1	118.58		
	11.00	91.4	57.1	118.93		
	12.00	96.7	62.4	119.22		
***** End Flow 1	13.00	101.4	67.1	119.47		
***** Start Shutin 1	0.00	101.4	0.0	119.47	0.0000	0.010
	1.00	695.4	594.0	119.67	14.0000	0.484
	2.00	980.4	879.0	119.79	7.5000	0.961
	3.00	1054.3	952.9	119.77	5.3333	1.111
	4.00	1088.3	986.9	119.61	4.2500	1.184
	5.00	1109.6	1008.2	119.34	3.6000	1.231
	6.00	1123.8	1022.4	119.03	3.1667	1.263
	7.00	1134.4	1033.0	118.77	2.8571	1.287
	8.00	1141.5	1040.1	118.53	2.6250	1.303
	9.00	1147.7	1046.3	118.32	2.4444	1.317
	10.00	1153.2	1051.8	118.15	2.3000	1.330
	11.00	1157.8	1056.4	118.00	2.1818	1.341
	12.00	1161.3	1059.9	117.87	2.0833	1.349
	13.00	1163.9	1062.5	117.73	2.0000	1.355
	14.00	1166.6	1065.2	117.60	1.9286	1.361
	15.00	1169.0	1067.6	117.50	1.8667	1.366
	16.00	1171.7	1070.3	117.38	1.8125	1.373
	17.00	1173.7	1072.3	117.27	1.7647	1.378
	18.00	1175.0	1073.6	117.14	1.7222	1.381
	19.00	1176.1	1074.7	117.02	1.6842	1.383
	20.00	1177.6	1076.2	116.92	1.6500	1.387
	21.00	1178.5	1077.1	116.83	1.6190	1.389
	22.00	1179.7	1078.3	116.73	1.5909	1.392
	23.00	1180.8	1079.4	116.64	1.5652	1.394
	24.00	1181.7	1080.3	116.54	1.5417	1.396
	25.00	1182.4	1081.0	116.44	1.5200	1.398
	26.00	1183.2	1081.8	116.35	1.5000	1.400
	27.00	1183.8	1082.4	116.27	1.4815	1.401
	28.00	1184.5	1083.1	116.19	1.4643	1.403
	29.00	1185.4	1084.0	116.11	1.4483	1.405
	30.00	1186.1	1084.7	116.03	1.4333	1.407
***** End Shut-in 1	31.00	1186.9	1085.5	115.97	1.4194	1.409
***** Start Flow 2	0.00	114.9	0.0	116.08		
	1.00	119.0	4.2	116.75		
	2.00	123.7	8.8	117.61		
	3.00	128.4	13.5	118.37		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9486 DST#2 HONAS #1 JOHN O. FARMER INC.

DATE: 02/03/97

TIME: 15:43:15

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
4.00	133.3	18.4	118.99		
5.00	137.9	23.0	119.48		
6.00	142.4	27.5	119.87		
7.00	147.1	32.3	120.18		
8.00	151.9	37.0	120.37		
9.00	156.4	41.6	120.46		
10.00	161.1	46.2	120.53		
11.00	165.4	50.5	120.62		
12.00	169.8	54.9	120.71		
13.00	174.3	59.4	120.86		
14.00	178.1	63.2	121.01		

***** End Flow 2

***** Start Shutin 2	0.00	178.1	0.0	121.01	0.0000	0.032
	1.00	901.4	723.2	121.09	28.0000	0.812
	2.00	1016.3	838.2	121.11	14.5000	1.033
	3.00	1061.7	883.6	121.07	10.0000	1.127
	4.00	1086.5	908.4	121.02	7.7500	1.180
	5.00	1102.4	924.3	120.96	6.4000	1.215
	6.00	1113.4	935.3	120.88	5.5000	1.240
	7.00	1121.8	943.7	120.80	4.8571	1.258
	8.00	1128.4	950.3	120.68	4.3750	1.273
	9.00	1133.6	955.5	120.58	4.0000	1.285
	10.00	1138.0	959.8	120.47	3.7000	1.295
	11.00	1141.6	963.5	120.37	3.4545	1.303
	12.00	1144.7	966.6	120.27	3.2500	1.310
	13.00	1147.4	969.3	120.18	3.0769	1.317
	14.00	1149.8	971.7	120.09	2.9286	1.322
	15.00	1152.0	973.8	120.01	2.8000	1.327
	16.00	1153.7	975.5	119.92	2.6875	1.331
	17.00	1155.4	977.3	119.84	2.5882	1.335
	18.00	1156.9	978.8	119.76	2.5000	1.338
	19.00	1158.4	980.2	119.71	2.4211	1.342
	20.00	1159.5	981.4	119.64	2.3500	1.345
	21.00	1160.8	982.7	119.59	2.2857	1.348
	22.00	1162.0	983.8	119.53	2.2273	1.350
	23.00	1163.0	984.9	119.49	2.1739	1.353
	24.00	1164.0	985.9	119.44	2.1250	1.355
	25.00	1165.0	986.9	119.39	2.0800	1.357
	26.00	1165.9	987.8	119.34	2.0385	1.359
	27.00	1166.8	988.6	119.29	2.0000	1.361
	28.00	1167.5	989.4	119.24	1.9643	1.363
	29.00	1168.3	990.1	119.19	1.9310	1.365
	30.00	1169.0	990.8	119.15	1.9000	1.366
	31.00	1169.7	991.5	119.11	1.8710	1.368
***** End Shut-in 2	32.00	1170.4	992.3	119.07	1.8438	1.370

***** Final Hydro. 186.00 1993.8 0.0 119.00

TEST HISTORY

9486 DST#2 HONAS #1 JOHN O. FARMER INC.

Flag Points

t<Min.> P< PSig>

A: 0.00 2024.96
 B: 0.00 34.31
 C: 13.00 101.40
 D: 31.00 1186.90
 E: 0.00 114.88
 F: 14.00 178.13
 G: 32.00 1170.40
 Q: 0.00 1993.84

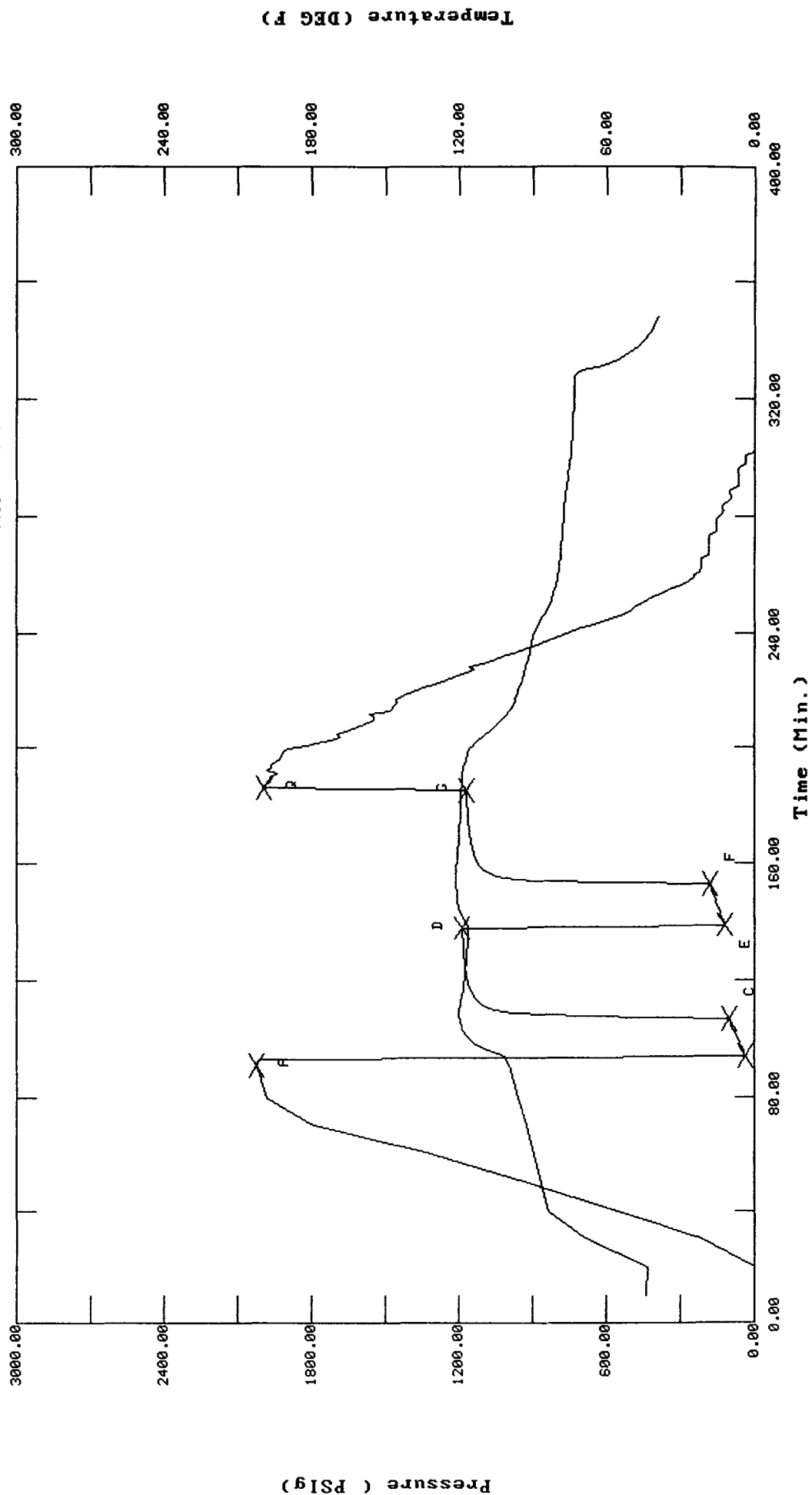
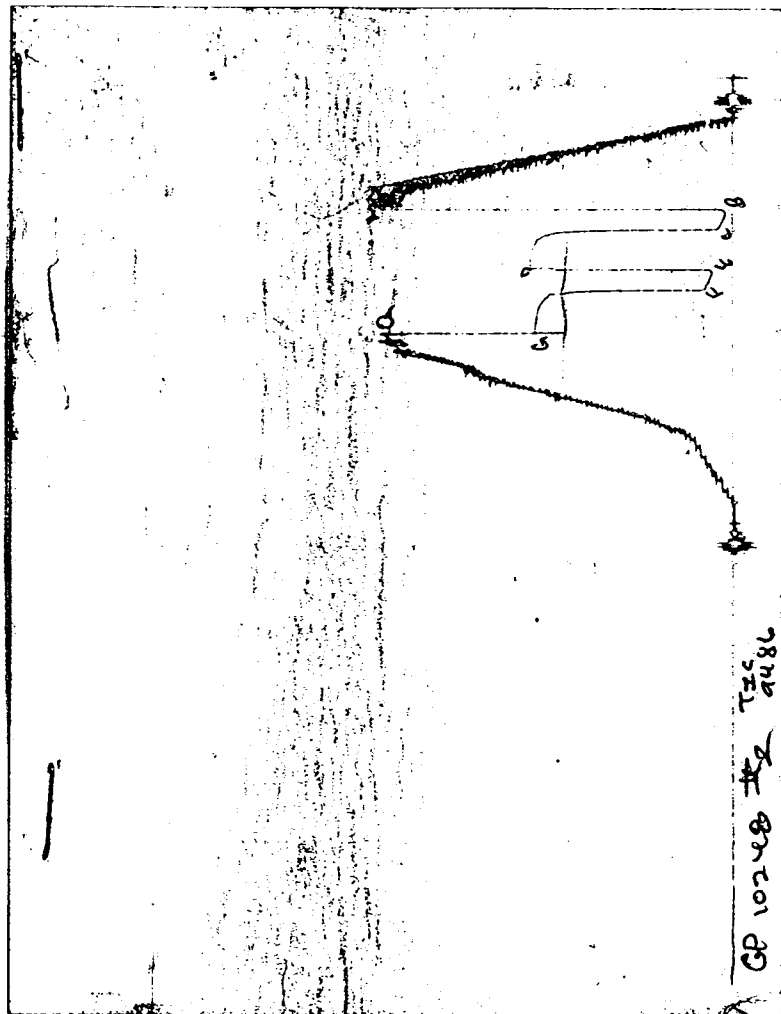


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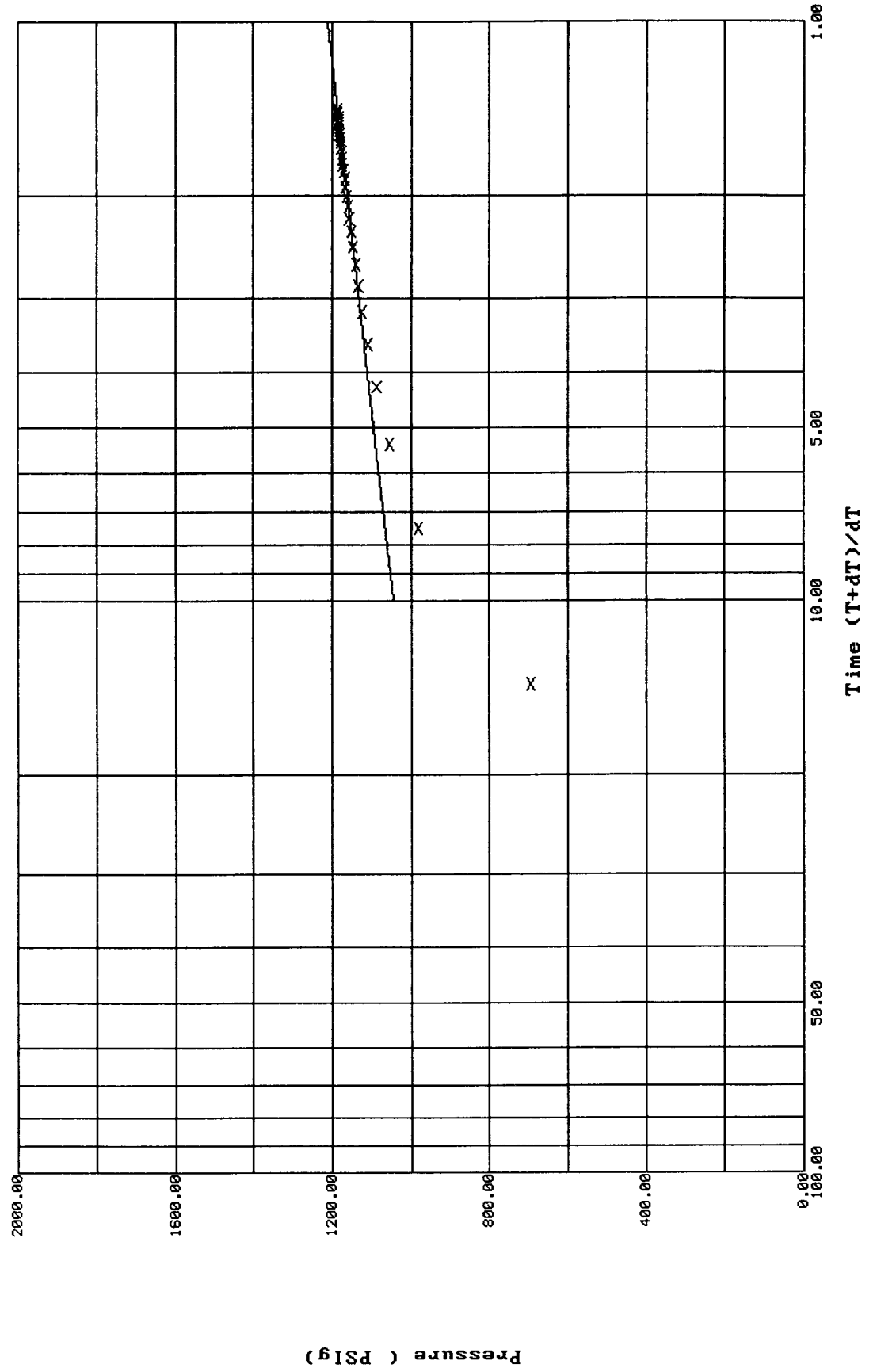
This is a photocopy of the actual AK-1 recorder chart

Horner Plot: shut-in #1

9486 DST#2 HONAS #1 JOHN O. FARMER INC.

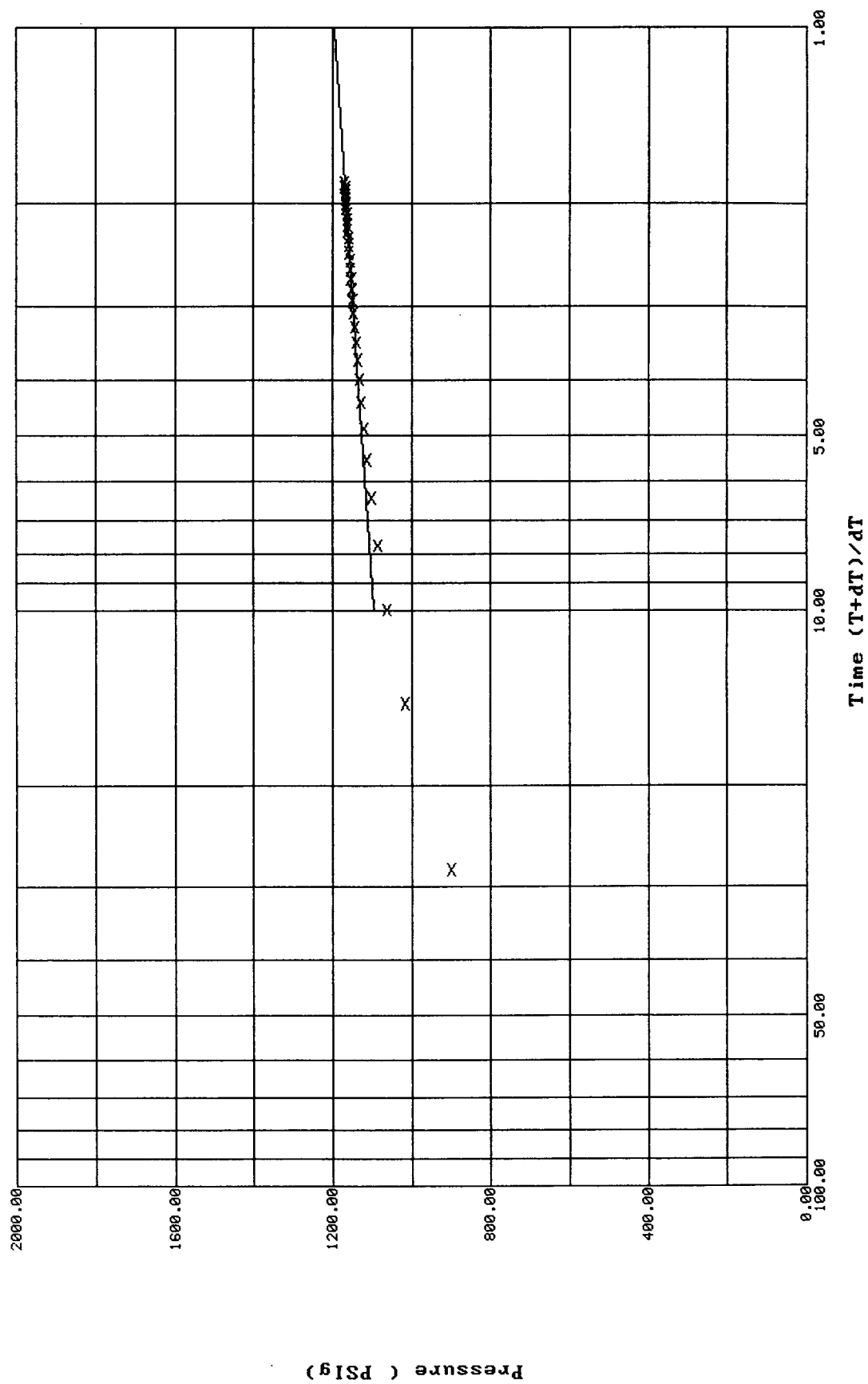
Slope: 165.3201 PSig/cycle

Ext. Pressure: 1211.9648 PSig



9486 DST#2 HONAS #1 JOHN O. FARMER INC.

Ext. Pressure: 1197.9873 PSI g



Pressure (PSig)