



APPENDIX. 15.

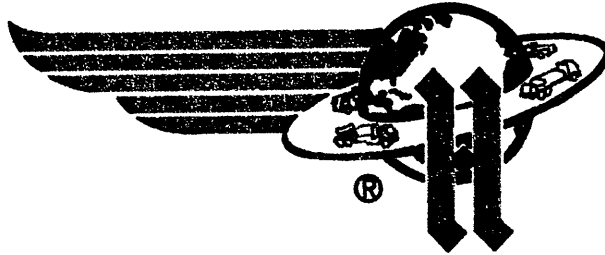
FORMATION. TESTING.

DST - 3 & 4.

PINE LODGE - 1

W1034

FORMATION TEST REPORT



HALLIBURTON SERVICES

DRY CREEK, STH. AUST.



A Halliburton Company

Customer: FUEL & GAS EXPLORATION
Well Description: PINELODGE #1
Field Name: DARTMOOR

TEST NO. :DST #3 & #4
TEST DATE :31-08-90
TICKET NO. :359406

HALLIBURTON
SERVICES

REPORT TICKET NO: 359406
BT-GAUGE TICKET NO: 359406
MEMORY GAUGE TICKET NO: 359406
DATE: 31-8-90
HALLIBURTON CAMP: ROMA
TESTER: A.Hadwin
WITNESS: G.Nicot

DRILLING CONTRACTOR: ATCO-APM RIG#2
LEGAL LOCATION: 37 58' 25.44"S
141 12' 41.60"E

OPERATOR: FUEL & GAS EXP.
LEASE NAME: PINELODGE
WELL NO: 1
TEST NO: 3-4
TESTED INTERVAL: 6364.75 - 6453.33 ft

FIELD AREA: DARTMOOR
COUNTY/LSD:
STATE/PROVINCE: VICTORIA
COUNTRY: AUSTRALIA

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SECTION 3: MECHANICAL GAUGE DATA

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SECTION 4: MEMORY GAUGE DATA

Gauge No.	73016	4.1
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Date: 31-8-90

Ticket No: 359406

Page No: 1.1

SUMMARY OF TEST

Lease Owner: FUEL & GAS EXP.

Lease Name: PINELODGE

Well No.: 1

Test No.: 3-4

County/LSD:

State/Province: VICTORIA

Country: AUSTRALIA

Formation Tested:

Hole Temp: 159.50 F

Total Depth: 7052.40 ft

Net Pay: 88.58 ft

Gross Tested Interval: 6364.75 - 6453.33 ft

Perforated Interval (ft):

RECOVERY:

REMARKS:

ALL DOWNHOLE PRESSURES ARE IN ABSOLUTE
PSIA.

BT#7984 CLOCK RUNOUT AT 22:18 31/8/90

BT#7483 CLOCK FAILURE AT 14:40 31/8/90

BT#2170 CLOCK FAILURE AT 14:40 31/8/90

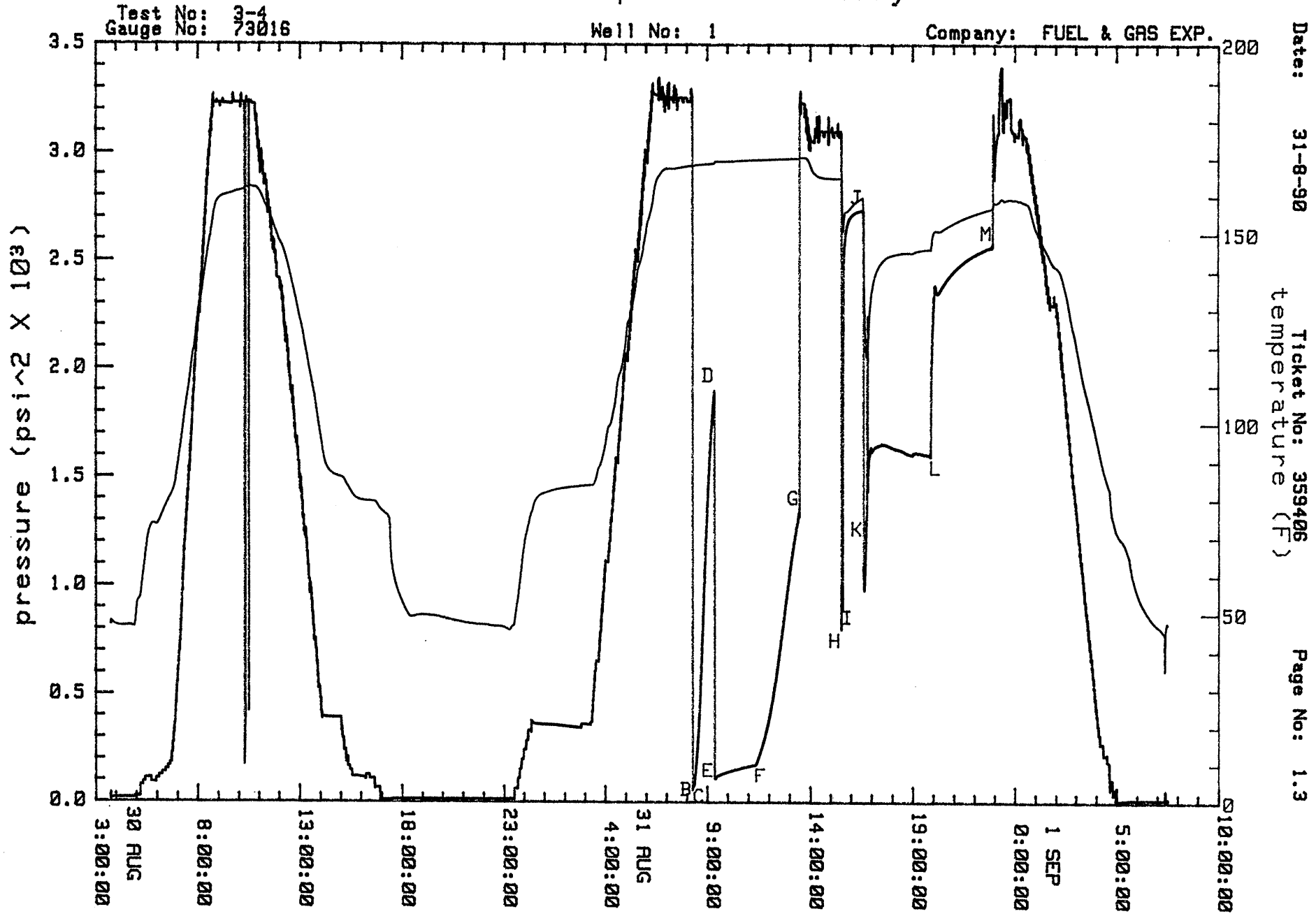
TEST PERIOD SUMMARY

Gauge No.: 73016 Depth: 6277.09 ft Blanked off: No

ID	PERIOD	DESCRIPTION	PRESSURE (psi)	DURATION (min)
A		Initial Hydrostatic	3100.74	
B	1	Start Draw-down	71.34	
C		End Draw-down	77.71	5.52
C	2	Start Build-up	77.71	
D		End Build-up	1907.35	59.76
E	3	Start Draw-down	160.25	
F		End Draw-down	174.62	120.24
F	4	Start Build-up	174.62	
G		End Build-up	1344.53	126.48
H	5	Start Draw-down	763.05	
I		End Draw-down	908.16	4.32
I	6	Start Build-up	908.16	
J		End Build-up	2734.97	58.80
K	7	Start Draw-down	1276.82	
L		End Draw-down	1597.23	196.56
L	8	Start Build-up	1597.23	
M		End Build-up	2568.33	181.44
N		Final Hydrostatic	3078.82	

NOTE: for Pressure vs. Time Plot, see next page.

Pressure/Temperature History



TEST AND FORMATION DATA

Formation Tested:

All Depths Measured From: KELLY BUSHINGS
 Elevation: 188.00 ft
 Total Depth: 7052.40 ft
 Net Pay: 88.58 ft
 Hole or Casing Size: 8.500 in
 Gross Tested Interval: 6364.75 - 6453.33 ft
 Perforated Interval (ft):

HOLE FLUID

HOLE TEMPERATURE

Type:	DRILLING FLUID	Depth:	6277.00 ft
Weight:	9.40 lb/gal	Estimated:	0.00 F
Viscosity:	43 seconds	Actual:	159.50 F

HYDROCARBON PROPERTIES

CUSHION DATA

Oil Gravity (API):	0.0 @ 60 F	TYPE	AMOUNT	WEIGHT
Gas/Oil ratio (ScF/STB):	0.0	NIL		
Gas Gravity (SG):	0.75			

FLUID PROPERTIES FOR RECOVERED MUD AND WATER

SOURCE	RESISTIVITY	CHLORIDES	SG	PH
	@ F	PPM		
	@ F	PPM		
	@ F	PPM		
	@ F	PPM		
	@ F	PPM		
	@ F	PPM		

SAMPLER DATA

Surface Pressure:	0 psi
Volume of Gas:	0 ft ³
Volume of Oil:	0 cc
Volume of Water:	0 cc
Volume of Mud:	0 cc
Total Liquids:	0 cc
























REMARKS:

ALL DOWNHOLE PRESSURES ARE IN ABSOLUTE PSIA.
 BT#7984 CLOCK RUNOUT AT 22:18 31/8/90
 BT#7483 CLOCK FAILURE AT 14:40 31/8/90
 BT#2170 CLOCK FAILURE AT 14:40 31/8/90

RATE HISTORY TABLE




Period No	Test Type	j	Prod Rate q(j) (MCF/D)	Duration (hrs)	Cum. Time t(j) (hrs)
		0	0.0	0.00	0.00
1	DD	1		0.09	0.09
2	BU	2	0.0	1.00	1.09
3	DD	3		2.00	3.09
4	BU	4	0.0	2.11	5.20
5	DD	5		0.07	5.27
6	BU	6	0.0	0.98	6.25
7	DD	7		3.28	9.53
8	BU	8	0.0	3.02	12.55

TEST STRING CONFIGURATION

	O.D. (in)	I.D. (in)	LENGTH (ft)	DEPTH (ft)
 DST #4 DEPTHS.....				
 DRILL PIPE.....	4.500	3.020	5637.300	
 FLEX WEIGHT.....	4.500	2.810	182.800	5618.85
 DRILL COLLARS.....	6.250	2.810	276.160	
 PUMP OUT REVERSING SUB.....	6.000	3.000	1.000	
 DRILL COLLARS.....	6.250	2.810	92.450	
 IMPACT REVERSING SUB.....	6.000	3.000	1.000	
 DRILL COLLARS.....	6.250	2.810	92.380	
 BAR CATCHER SUB.....	5.750	1.500	1.000	
 AP RUNNING CASE.....	5.000	2.250	4.140	6265.64
 INDEXING HYDROSPRING.....	5.000	0.750	5.310	
 LOCKED OPEN BYPASS.....	5.000	0.750	2.000	
 ELECTRONIC GAUGE RUNNING CASE...	5.000	1.000	6.950	6277.09
 AP RUNNING CASE.....	5.000	2.250	4.140	6284.04
 EXTENSION JOINT.....	5.000	0.875	7.000	
 CROSSOVER.....	5.750	2.400	1.000	
 DRILL COLLARS.....	6.250	2.810	30.770	
 CROSSOVER.....	5.750	2.400	1.000	
 JAR.....	5.000	1.750	5.000	
 PUMP ASSEMBLY.....	5.030	0.800	8.450	
 HYDROFLATE PRESSURE LIMITER.....	5.000	1.060	4.300	
 COMBINATION BYPASS.....	5.250	0.800	7.830	
 HYDROFLATE SAFETY JOINT.....	5.000	1.000	5.330	

CONTINUED

TEST STRING CONFIGURATION

	O.D. (in)	I.D. (in)	LENGTH (ft)	DEPTH (ft)
 TOP HYDROFLATE PACKER.....	6.750	0.900	8.310	6364.75
PORT ASSEMBLY.....	5.000	1.500	3.380	
BLANK ANCHOR.....	5.000	2.370	16.000	
CROSSOVER.....	5.750	2.400	1.000	
DRILL COLLARS.....	6.250	2.810	61.600	
 LOWER HYDROFLATE PACKER.....	6.750	0.900	8.500	6453.33
 BELLY SPRINGS W/ B.O. GAUGE CASE	6.000	0.220	3.920	6459.13
TOTAL DEPTH				7052.40

Date: 31-8-90
Test No: 3-4

Ticket No: 359406

Page No: 1.7.1

OPERATOR JOB LOG

Type of Flow Measuring Device: 6"CERAMIC CHOKE

TIME HH:MM:SS	CHOKE SIZE (in)	SURFACE PRESSURE (psi)	GAS RATE (MCF/D)	LIQUID RATE (bbl/d)	REMARKS

31-AUG-90					
01:00:00					START OF DST #3
01:00:00					SURFACE PRESSURE = PSIG
01:00:00					MAKE UP TOOLS
03:44:00					START GRC-EMR710 GAUGE #71678
03:50:00					RUN IN HOLE
07:30:00					ROTATE 50rpm FOR 20min
08:00:00					MAKE UP SURFACE EQUIPMENT
08:08:00					I.HYDROSTATIC DST#3
08:13:00					SET WEIGHT ON TOOL
08:16:00					TOOL OPEN - VERY WEAK BLOW
08:21:00					TOOL CLOSED
09:21:00					TOOL OPEN - VERY WEAK BLOW
09:46:00					TOOL OPEN - VERY WEAK BLOW
10:00:00					CLOSE MANIFOLD -VERY WEAK BLOW
10:15:00					CLOSED MANIFOLD-VERY WEAK BLOW
10:30:00					CLOSED MANIFOLD-VERY WEAK BLOW
10:45:00					CLOSED MANIFOLD-VERY WEAK BLOW
11:00:00					CLOSED MANIFOLD-VERY WEAK BLOW
11:15:00					CLOSED MANIFOLD-VERY WEAK BLOW
11:22:00					TOOL CLOSED
13:22:00					PULL PACKERS FREE
13:36:00					F.HYDROSTATIC DST#3
13:38:00					END OF DST #3
13:40:00					LAY OUT 8 STANDS OF DRILL PIPE
14:28:00					START OF DST #4
14:28:00					START TO ROTATE
14:40:00					PICK UP 10ft PUP JOINT
14:53:00					CHECK OVERPULL - PACKERS FREE
14:54:00					START TO ROTATE
15:19:00					I.HYDROSTATIC DST#4
15:20:00					PULL SLIPS
15:22:00					SIT WEIGHT ON TOOL
15:22:00					PICK FREE POINT
15:24:00					HOOK UP CHICKSANS
15:28:00					SET WEIGHT ON TOOL
15:31:00	32/64				TOOL OPEN - STRONG BLOW
15:34:00	32/64	50.00			TOOL OPEN - STRONG BLOW
15:35:00	32/64	150.00			TOOL OPEN - STRONG BLOW
15:36:00	32/64	200.00			TOOL OPEN - STRONG BLOW
15:37:00					CLOSE TOOL
16:49:00	32/64				TOOL OPEN - Co2 TO SURFACE
16:54:00	32/64	260.00			TOOL OPEN - Co2 TO SURFACE
17:02:00	32/64	800.00			TOOL OPEN - Co2 TO SURFACE
17:07:00	32/64	810.00			TOOL OPEN - Co2 TO SURFACE
17:26:00	32/64	840.00			TOOL OPEN - Co2 TO SURFACE

Date: 31-8-90
Test No: 3-4

Ticket No: 359406

Page No: 1.7.2

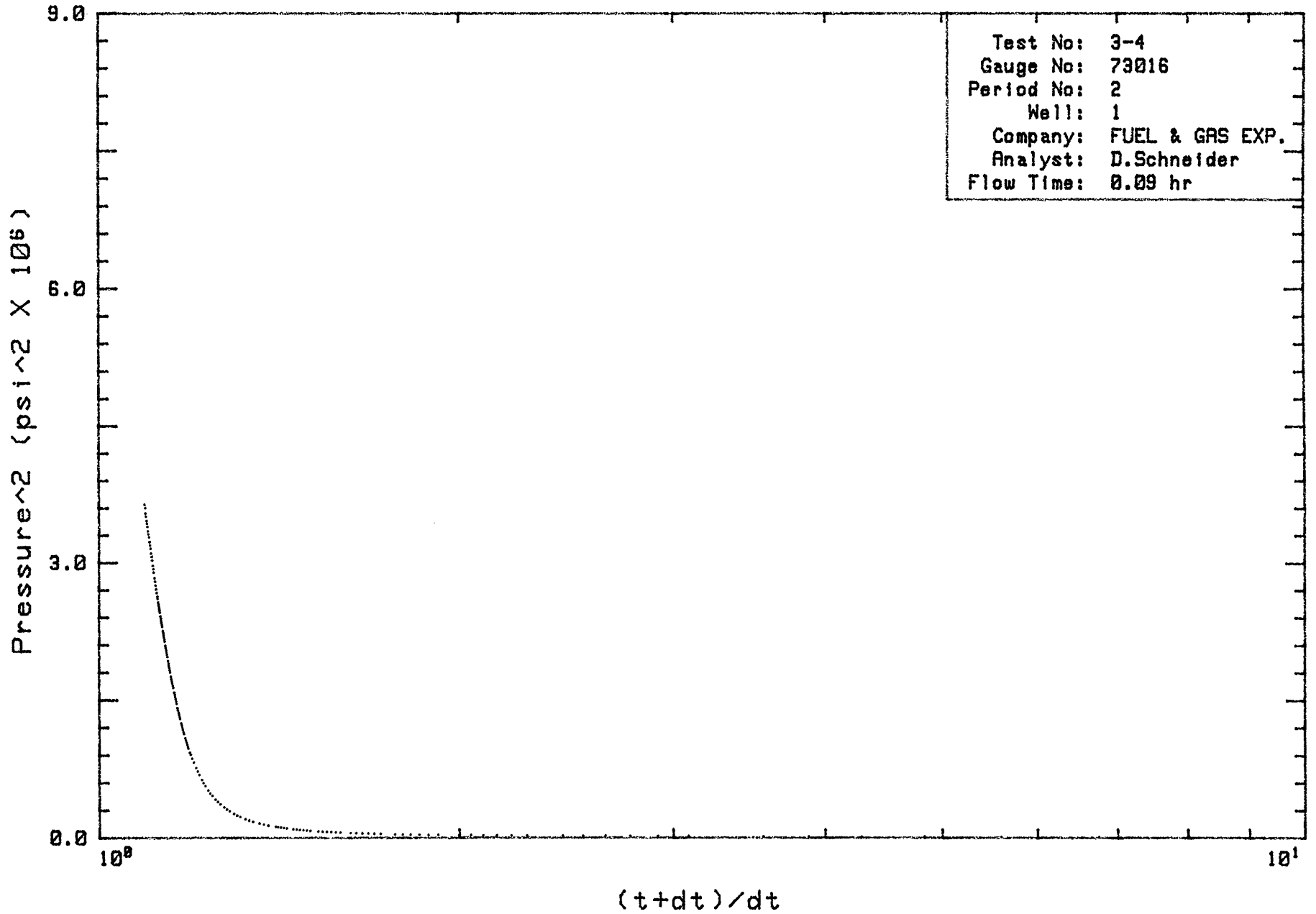
OPERATOR JOB LOG

Type of Flow Measuring Device: 6"CERAMIC CHOKE

TIME HH:MM:SS	CHOKE SIZE (in)	SURFACE PRESSURE (psi)	GAS RATE (MCF/D)	LIQUID RATE (bbl/d)	REMARKS

31-AUG-90					
17:33:00	32/64	840.00			TOOL OPEN - Co2 TO SURFACE
17:42:00	32/64	850.00			TOOL OPEN - Co2 TO SURFACE
18:00:00	32/64	850.00			TOOL OPEN - Co2 TO SURFACE
18:30:00	32/64	850.00			TOOL OPEN - Co2 TO SURFACE
18:59:00	32/64	810.00			TOOL OPEN - Co2 TO SURFACE
19:15:00	32/64	810.00			TOOL OPEN - Co2 TO SURFACE
19:30:00	32/64	810.00			TOOL OPEN - Co2 TO SURFACE
19:45:00	32/64	810.00			TOOL OPEN - Co2 TO SURFACE
19:47:00		810.00			CLOSE TOOL
22:55:00					PULL FREE - OPEN BYPASS
22:58:00					F.HYDROSTATIC DST#4
23:00:00					RIG UP SURFACE EQUIPMENT
23:12:00					REVERSE CIRCULATE
1-SEP-90					
00:30:00					PULL OUT OF HOLE
05:00:00					TOOLS AT FLOOR
07:25:00					TOOLS LAID OUT
07:31:00					STOP GRC-EMR710 GAUGE #71678

Pressure² vs log((t+dt)/dt)

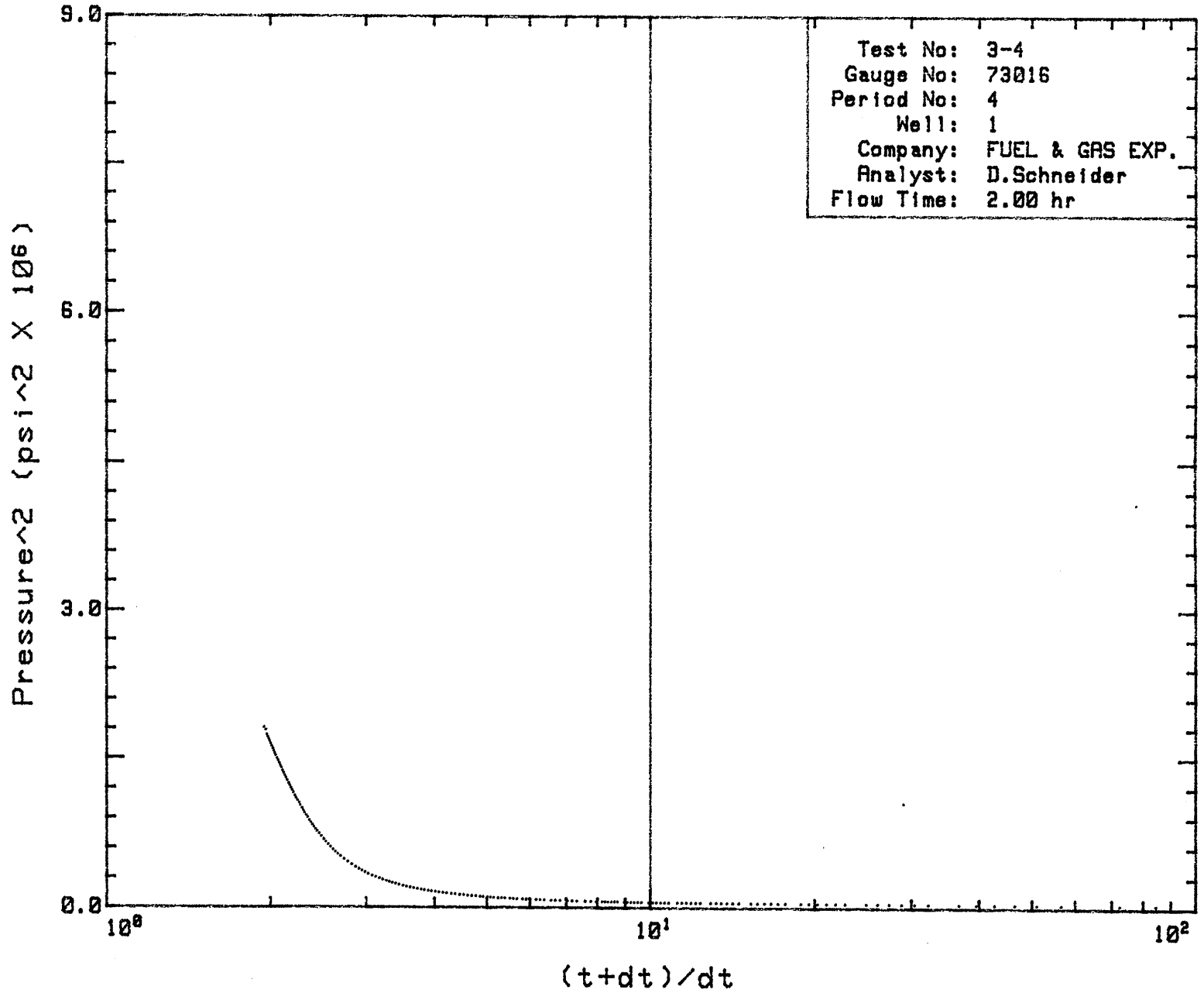


Date: 31-8-90

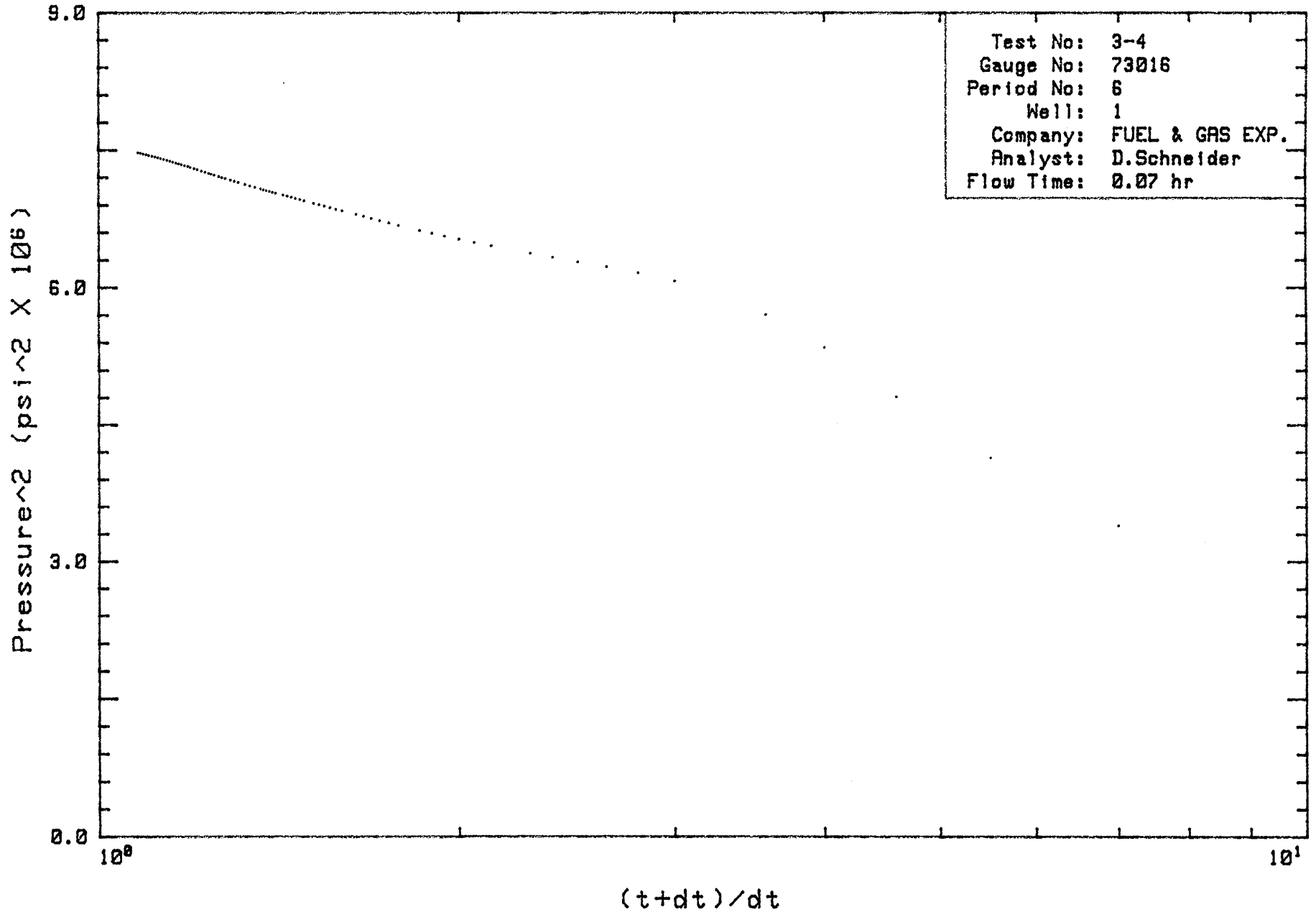
Ticket No: 359406

Page No: 2.2.1

Pressure² vs log((t+dt)/dt)



Pressure² vs log((t+dt)/dt)

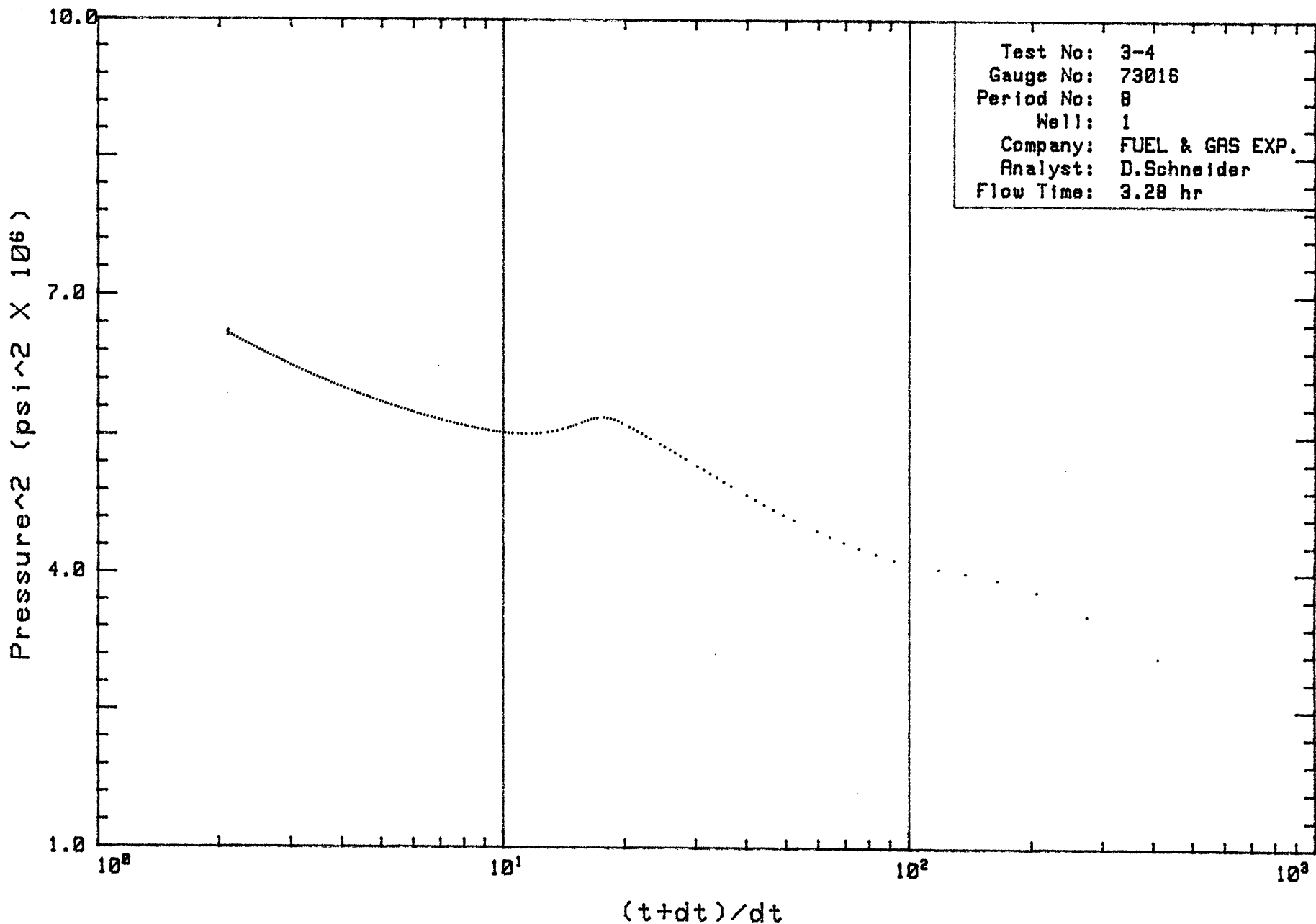


Date: 31-8-90

Ticket No: 359406

Page No: 2.2.3

Pressure² vs log((t+dt)/dt)



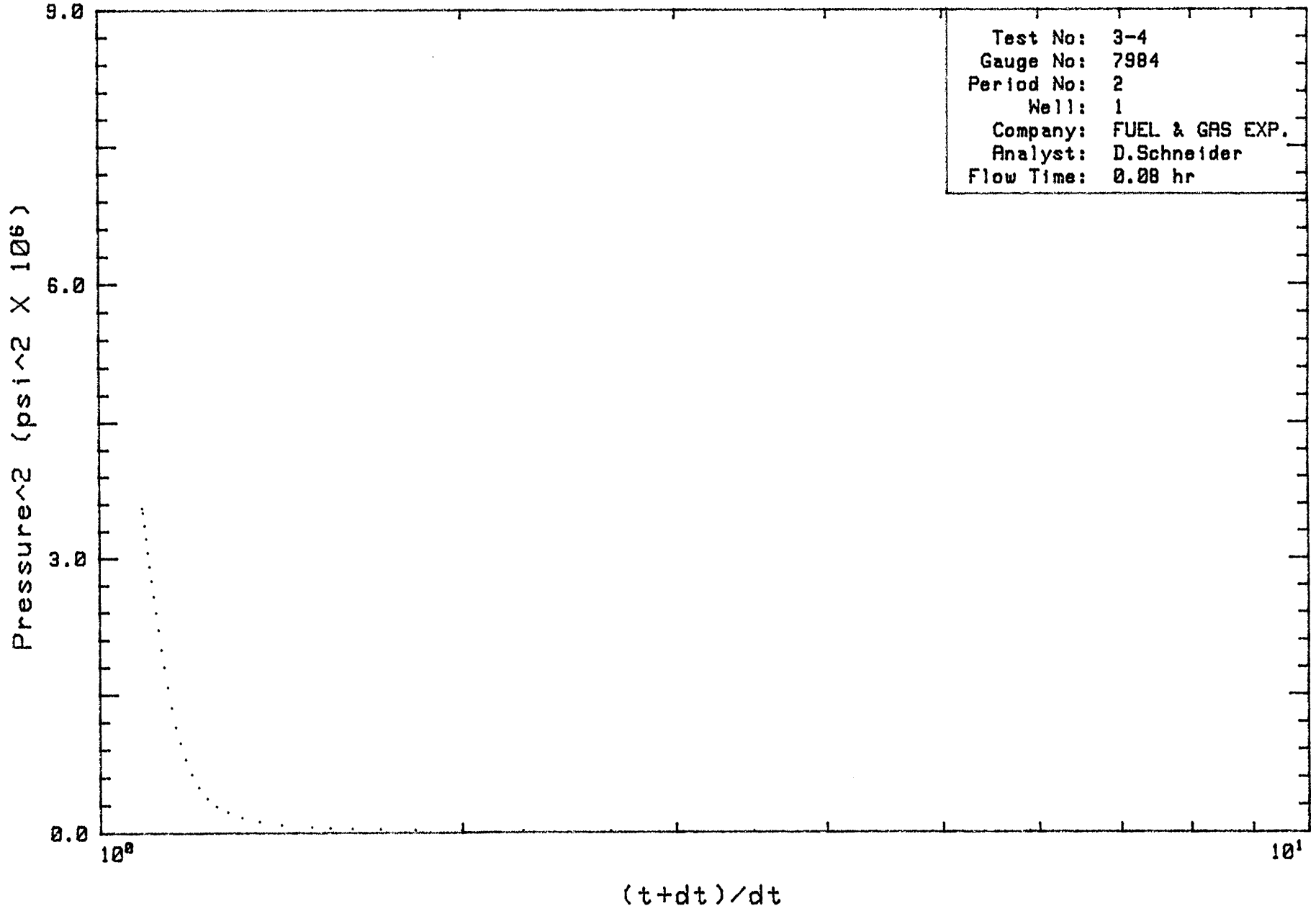
Test No: 3-4
Gauge No: 73016
Period No: 8
Well: 1
Company: FUEL & GAS EXP.
Analyst: D.Schneider
Flow Time: 3.28 hr

Date: 31-8-90

Ticket No: 359406

Page No: 2.2.4

Pressure² vs log((t+dt)/dt)

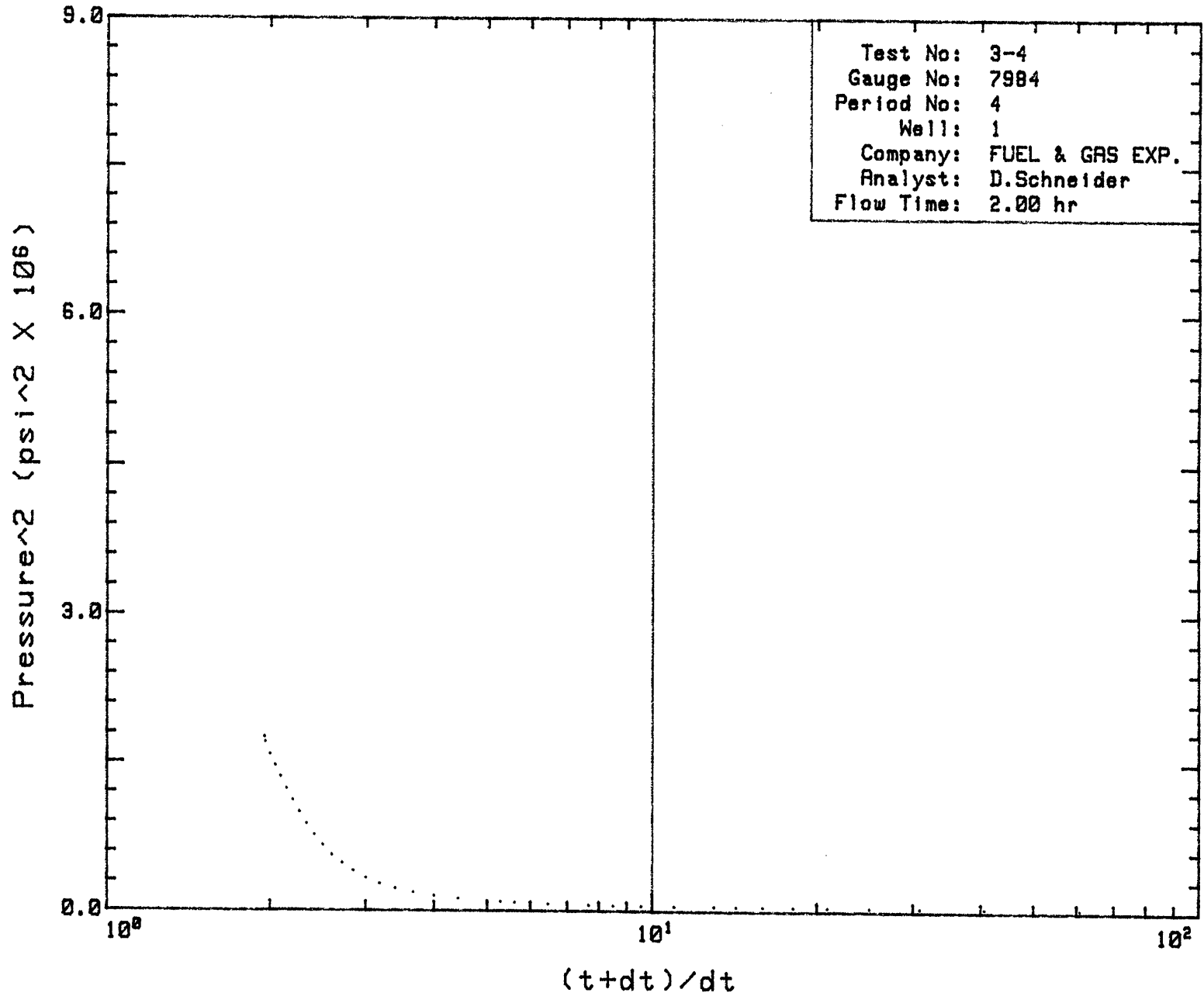


Date: 31-8-90

Ticket No: 359406

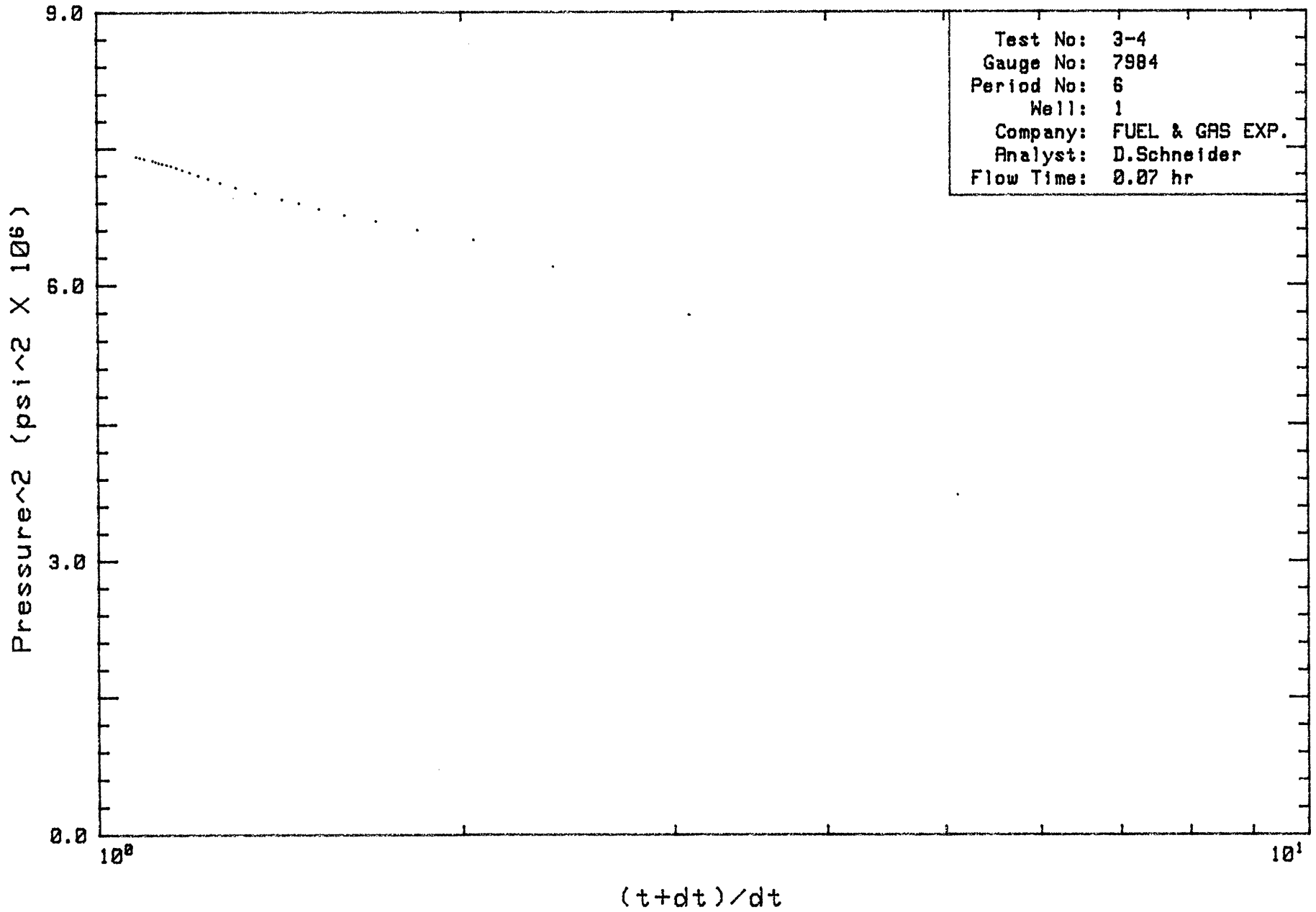
Page No: 2.2.5

Pressure² vs log((t+dt)/dt)



Test No: 3-4
Gauge No: 7984
Period No: 4
Well: 1
Company: FUEL & GAS EXP.
Analyst: D.Schneider
Flow Time: 2.00 hr

Pressure² vs log((t+dt)/dt)



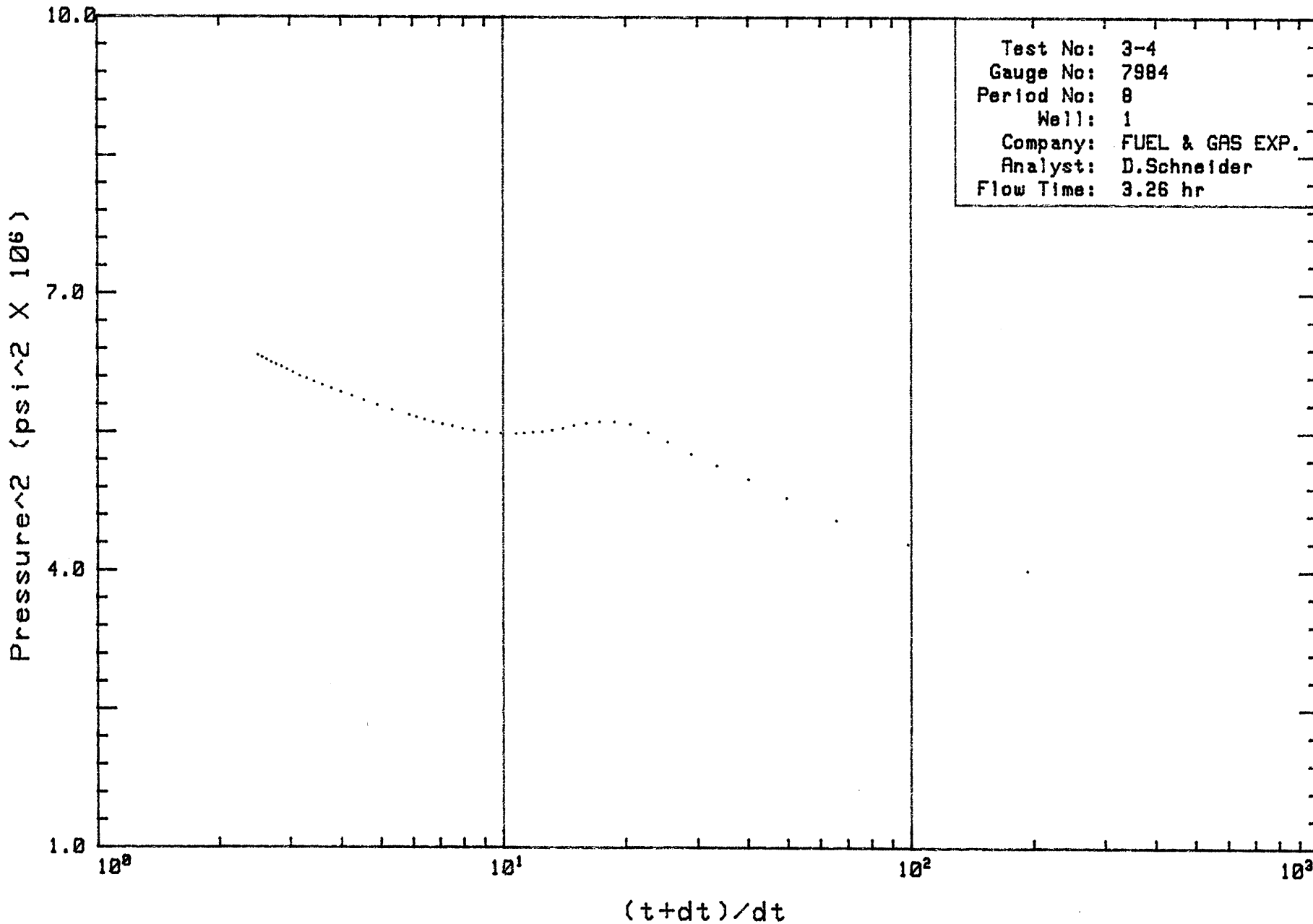
Test No: 3-4
Gauge No: 7984
Period No: 6
Well: 1
Company: FUEL & GAS EXP.
Analyst: D.Schneider
Flow Time: 0.07 hr

Date: 31-8-90

Ticket No: 359406

Page No: 2.2.7

Pressure² vs log((t+dt)/dt)

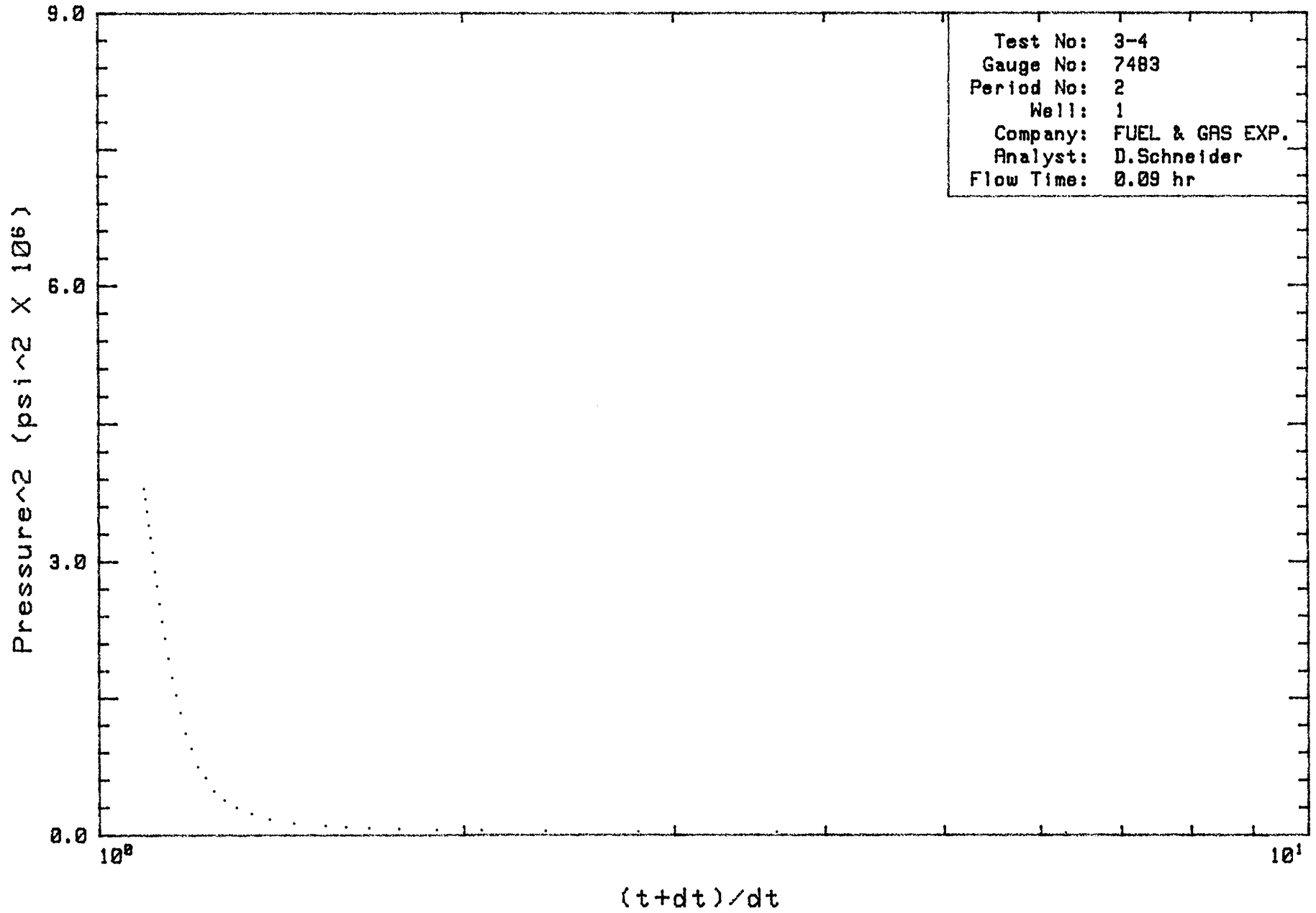


Date: 31-8-90

Ticket No: 359406

Page No: 2.2.8

Pressure² vs log((t+dt)/dt)



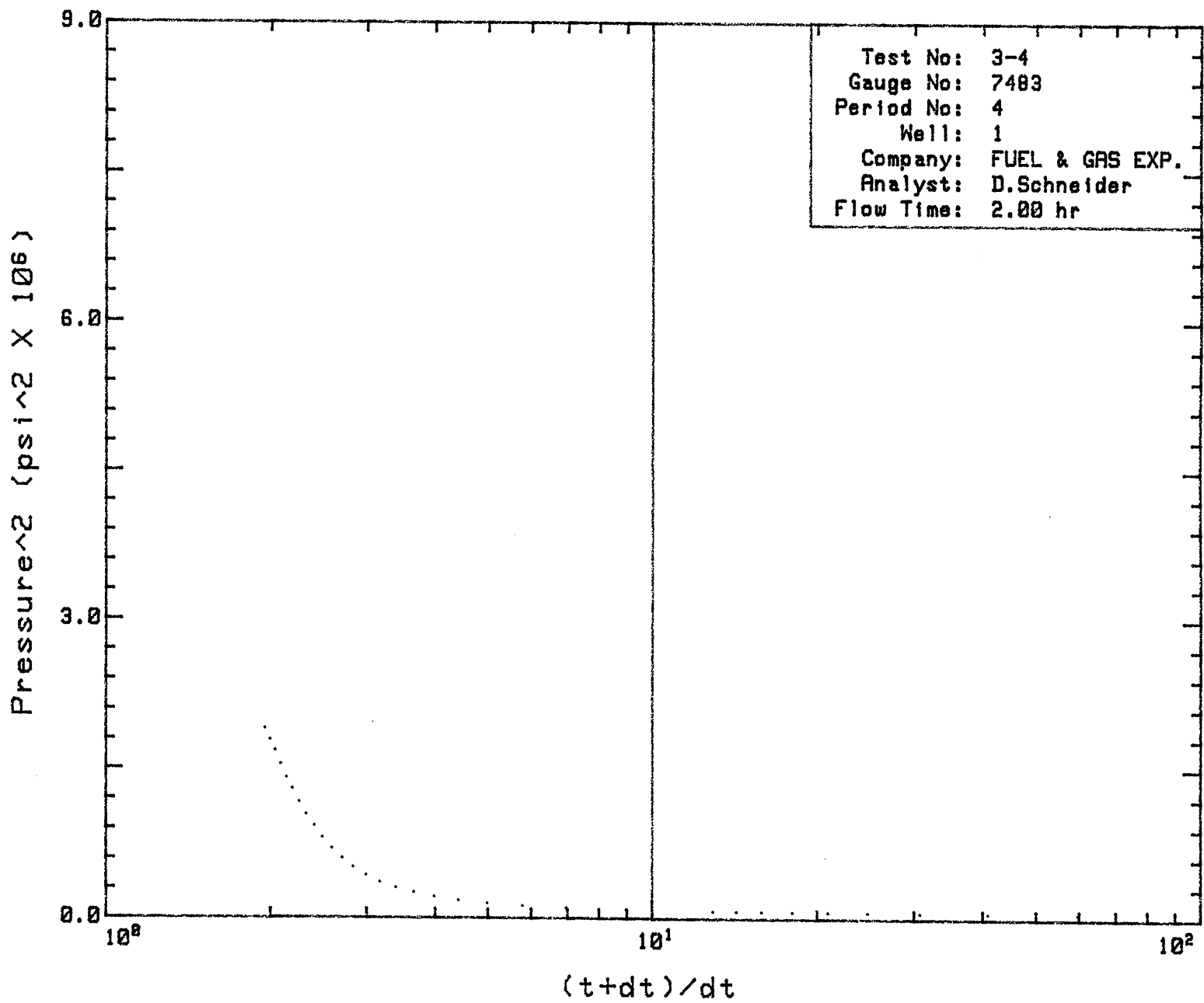
Test No: 3-4
Gauge No: 7483
Period No: 2
Well: 1
Company: FUEL & GAS EXP.
Analyst: D.Schneider
Flow Time: 0.09 hr

Date: 31-8-90

Ticket No: 359406

Page No: 2.2.9

Pressure² vs log((t+dt)/dt)



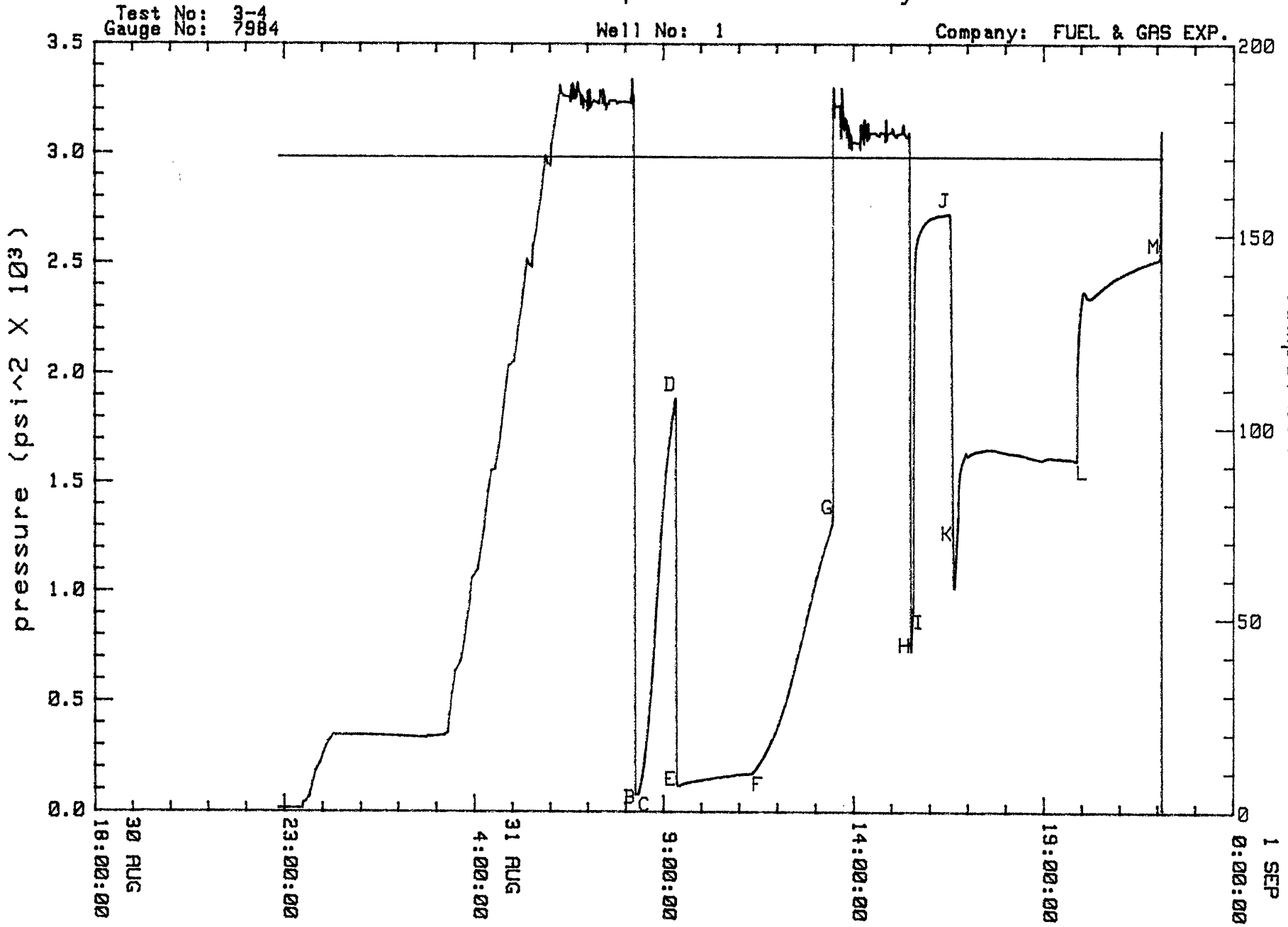
TEST PERIOD SUMMARY

Gauge No.: 7984 Depth: 6621.96 ft Blanked off : No
Hour of clock: 24

ID	PERIOD	DESCRIPTION	PRESSURE (psi)	DURATION (min)
A		Initial Hydrostatic	3239.99	
B	1	Start Draw-down	75.38	
C		End Draw-down	78.83	5.09
C	2	Start Build-up	78.83	
D		End Build-up	1884.88	59.01
E	3	Start Draw-down	158.32	
F		End Draw-down	173.81	120.53
F	4	Start Build-up	173.81	
G		End Build-up	1324.66	126.22
H	5	Start Draw-down	765.95	
I		End Draw-down	911.50	4.19
I	6	Start Build-up	911.50	
J		End Build-up	2723.44	58.32
K	7	Start Draw-down	1279.71	
L		End Draw-down	1601.69	195.68
L	8	Start Build-up	1601.69	
M		End Build-up	2518.20	131.82

NOTE: for Pressure vs. Time Plot, see next page.

Pressure/Temperature History



Date: 31-8-90
Ticket No: 359406
Page No: 3.1.0

PRESSURE VS TIME

MECHANICAL gauge no.: 7984
 Clock no.:

Gauge Depth: 6621.96 ft
 24

Hour:

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS
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30-AUG-90

Data Print Frequency: 1

22:51:49		13.637	170.4	
23:06:49		13.637	170.4	
23:21:49		13.637	170.4	
23:28:33		13.637	170.4	
23:29:41		38.574	170.4	
23:34:00		44.938	170.4	
23:39:57		64.203	170.4	
23:45:08		131.992	170.4	
23:49:28		181.733	170.4	
23:56:23		215.647	170.4	

31-AUG-90

00:02:35		265.755	170.4	
00:09:43		316.221	170.4	
00:18:16		347.747	170.4	
00:46:50		346.196	170.4	

START OF DST #3
 SURFACE PRESSURE = PSIG
 MAKE UP TOOLS

01:00:00				
01:00:00				
01:00:00				
01:16:50		344.818	170.4	
01:46:50		341.544	170.4	
02:16:50		337.582	170.4	
02:45:22		333.447	170.4	
02:46:50		339.822	170.4	
03:13:09		346.368	170.4	
03:18:25		356.534	170.4	
03:21:32		436.150	170.4	
03:25:34		533.213	170.4	
03:30:23		636.011	170.4	
03:39:24		678.109	170.4	

START GRC-EMR710 GAUGE #71678

03:44:00				
03:44:02		766.986	170.4	
03:48:32		863.491	170.4	
03:50:00				

RUN IN HOLE

03:53:25		953.982	170.4	
03:56:30		1059.531	170.4	
04:05:59		1098.235	170.4	
04:10:30		1195.184	170.4	
04:15:45		1280.575	170.4	
04:19:15		1365.289	170.4	
04:23:03		1458.664	170.4	
04:27:47		1555.686	170.4	
04:33:48		1563.123	170.4	
04:38:44		1654.450	170.4	
04:43:19		1752.360	170.4	
04:47:20		1847.509	170.4	
04:51:19		1943.701	170.4	

Date: 31-8-90

Ticket No: 359406

Page No: 3.1.2

PRESSURE VS TIME

MECHANICAL gauge no.: 7984
Clock no.:

Gauge Depth: 6621.96 ft
24

Hour:

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

31-AUG-90				Data Print Frequency: 1
04:55:05		2034.185	170.4	
05:03:35		2053.562	170.4	
05:08:26		2148.024	170.4	
05:12:16		2247.153	170.4	
05:17:20		2340.394	170.4	
05:21:42		2444.350	170.4	
05:24:13		2518.373	170.4	
05:27:05		2494.852	170.4	
05:32:29		2480.151	170.4	
05:34:04		2576.997	170.4	
05:38:55		2642.359	170.4	
05:42:18		2727.767	170.4	
05:46:45		2808.319	170.4	
05:50:21		2898.533	170.4	
05:53:40		2988.724	170.4	
05:57:00		2951.579	170.4	
06:01:47		2943.113	170.4	
06:03:06		3039.857	170.4	
06:07:41		3122.757	170.4	
06:12:00		3205.116	170.4	
06:16:00		3277.958	170.4	
06:16:53		3310.403	170.4	
06:19:04		3273.643	170.4	
06:22:37		3263.288	170.4	
06:29:11		3258.628	170.4	
06:32:48		3256.729	170.4	
06:33:53		3236.879	170.4	
06:35:24		3313.509	170.4	
06:36:22		3247.236	170.4	
06:37:10		3318.168	170.4	
06:38:35		3294.699	170.4	
06:40:14		3283.481	170.4	
06:40:50		3246.718	170.4	
06:43:11		3258.973	170.4	
06:44:30		3323.862	170.4	
06:46:51		3280.029	170.4	
06:49:48		3265.704	170.4	
06:50:30		3218.754	170.4	
06:51:22		3263.806	170.4	
06:53:08		3252.414	170.4	
06:53:46		3205.289	170.4	
06:54:18		3246.027	170.4	
06:57:50		3235.671	170.4	
07:00:06		3231.355	170.4	
07:00:39		3194.067	170.4	
07:01:06		3284.689	170.4	

PRESSURE VS TIME

MECHANICAL gauge no.: 7984
Clock no.:

Hour:

Gauge Depth: 6621.96 ft
24

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

31-AUG-90		Data Print Frequency: 1		
07:02:00		3220.307	170.4	
07:03:13		3204.425	170.4	
07:04:25		3289.866	170.4	
07:05:14		3206.842	170.4	
07:07:00		3228.593	170.4	
07:11:04		3239.468	170.4	
07:19:02		3227.212	170.4	
07:20:39		3287.105	170.4	
07:24:16		3253.622	170.4	
07:24:39		3228.421	170.4	
07:25:10		3289.866	170.4	
07:27:32		3261.389	170.4	
07:28:01		3217.891	170.4	
07:29:21		3227.212	170.4	
07:29:59		3199.937	170.4	
07:30:00				ROTATE 50rpm FOR 20min
07:31:32		3220.480	170.4	
07:33:45		3224.278	170.4	
07:35:21		3236.879	170.4	
07:37:35		3240.676	170.4	
07:40:39		3239.986	170.4	
07:40:51		3239.986	170.4	
07:44:28		3239.986	170.4	
07:48:20		3228.593	170.4	
07:51:36		3234.117	170.4	
07:59:45		3235.843	170.4	
08:00:00				MAKE UP SURFACE EQUIPMENT
08:08:00				I.HYDROSTACTIC DST#3
08:09:18		3229.974	170.4	
08:09:57		3265.014	170.4	
08:10:44		3228.593	170.4	
08:11:22		3338.702	170.4	
08:11:54		3271.917	170.4	
08:13:00				SET WEIGHT ON TOOL
08:13:26		3257.419	170.4	
08:16:00				TOOL OPEN - VERY WEAK BLOW
		*** Start of Period 1 ***		
08:16:00	0.00	75.385	170.4	
08:17:01	1.02	76.589	170.4	
08:18:00	2.01	77.277	170.4	
08:19:01	3.02	77.449	170.4	
08:20:01	4.01	77.621	170.4	
08:21:00				TOOL CLOSED
08:21:00	5.00	78.481	170.4	
08:21:05	5.09	78.826	170.4	
		*** End of Period 1 ***		

PRESSURE VS TIME

MECHANICAL gauge no.: 7984
Clock no.:

Gauge Depth: 6621.96 ft
24

Hour:

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS
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31-AUG-90

Data Print Frequency: 1
*** Start of Period 2 ***

08:22:06	1.02	88.976	170.4	
08:23:06	2.01	98.267	170.4	
08:24:07	3.02	109.967	170.4	
08:25:06	4.01	124.077	170.4	
08:26:05	5.00	140.941	170.4	
08:27:06	6.02	158.324	170.4	
08:28:06	7.01	179.151	170.4	
08:29:07	8.02	198.087	170.4	
08:30:06	9.01	218.574	170.4	
08:31:05	10.00	239.408	170.4	
08:33:06	12.01	285.388	170.4	
08:35:06	14.01	343.612	170.4	
08:37:06	16.02	401.163	170.4	
08:39:07	18.02	469.591	170.4	
08:41:05	20.00	532.350	170.4	
08:43:06	22.00	607.547	170.4	
08:45:06	24.01	698.470	170.4	
08:47:06	26.02	793.224	170.4	
08:49:07	28.02	889.046	170.4	
08:51:05	30.00	984.382	170.4	
08:53:06	32.00	1069.034	170.4	
08:55:06	34.01	1164.075	170.4	
08:57:06	36.02	1256.373	170.4	
08:59:07	38.02	1340.911	170.4	
09:01:05	40.00	1410.765	170.4	
09:03:06	42.00	1485.642	170.4	
09:05:06	44.01	1547.557	170.4	
09:07:06	46.02	1604.807	170.4	
09:09:07	48.02	1658.429	170.4	
09:11:05	50.00	1704.442	170.4	
09:13:06	52.00	1749.073	170.4	
09:15:06	54.01	1792.668	170.4	
09:17:06	56.01	1833.842	170.4	
09:19:07	58.02	1872.249	170.4	
09:20:06	59.01	1884.878	170.4	
09:21:00				

TOOL OPEN - VERY WEAK BLOW

*** End of Period 2 ***
*** Start of Period 3 ***

09:21:25	0.00	158.324	170.4	
09:22:26	1.02	125.109	170.4	
09:23:25	2.01	119.431	170.4	
09:24:26	3.02	115.989	170.4	
09:25:26	4.01	115.301	170.4	
09:26:25	5.00	116.849	170.4	
09:27:26	6.02	118.054	170.4	

PRESSURE VS TIME

MECHANICAL gauge no.: 7984
Clock no.:Gauge Depth: 6621.96 ft
24

Hour:

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

31-AUG-90		Data Print Frequency: 1		
09:28:25	7.01	119.947	170.4	
09:29:26	8.02	121.668	170.4	
09:30:26	9.01	122.872	170.4	
09:31:25	10.00	123.905	170.4	
09:36:25	15.00	127.862	170.4	
09:41:25	20.00	131.476	170.4	
09:46:00				TOOL OPEN - VERY WEAK BLOW
09:51:25	30.00	137.155	170.4	
10:00:00				CLOSE MANIFOLD -VERY WEAK BLOW
10:01:25	40.00	142.490	170.4	
10:11:25	50.00	146.793	170.4	
10:15:00				CLOSED MANIFOLD-VERY WEAK BLOW
10:21:25	60.00	151.612	170.4	
10:30:00				CLOSED MANIFOLD-VERY WEAK BLOW
10:31:25	70.00	156.086	170.4	
10:41:25	80.00	160.217	170.4	
10:45:00				CLOSED MANIFOLD-VERY WEAK BLOW
10:51:26	90.02	164.348	170.4	
11:00:00				CLOSED MANIFOLD-VERY WEAK BLOW
11:01:26	100.02	168.135	170.4	
11:11:26	110.02	170.889	170.4	
11:15:00				CLOSED MANIFOLD-VERY WEAK BLOW
11:21:26	120.02	173.643	170.4	
11:21:57	120.53	173.815	170.4	
11:22:00				TOOL CLOSED
		*** End of Period 3 ***		
		*** Start of Period 4 ***		
11:22:58	1.02	178.979	170.4	
11:23:57	2.01	181.561	170.4	
11:24:58	3.02	184.143	170.4	
11:25:58	4.01	186.897	170.4	
11:26:57	5.00	190.512	170.4	
11:27:58	6.02	194.816	170.4	
11:28:57	7.01	199.120	170.4	
11:29:58	8.02	203.079	170.4	
11:30:59	9.04	207.727	170.4	
11:31:57	10.00	212.548	170.4	
11:33:57	12.01	221.845	170.4	
11:35:58	14.01	230.798	170.4	
11:37:58	16.02	239.924	170.4	
11:39:58	18.02	249.912	170.4	
11:41:57	20.00	260.072	170.4	
11:43:57	22.00	271.438	170.4	
11:45:57	24.01	284.010	170.4	
11:47:58	26.02	296.584	170.4	
11:49:58	28.02	308.986	170.4	

PRESSURE VS TIME

MECHANICAL gauge no.: 7984
Clock no.:Gauge Depth: 6621.96 ft
24

Hour:

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS
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31-AUG-90

Data Print Frequency: 1

11:51:57	30.00	321.561	170.4	
11:56:57	35.00	353.260	170.4	
12:01:57	40.00	390.996	170.4	
12:06:57	45.00	431.841	170.4	
12:11:57	50.00	477.004	170.4	
12:16:57	55.00	523.211	170.4	
12:21:57	60.00	575.292	170.4	
12:26:57	65.00	635.148	170.4	
12:31:57	70.00	692.948	170.4	
12:36:57	75.00	749.553	170.4	
12:41:57	80.00	811.868	170.4	
12:46:57	85.00	875.059	170.4	
12:51:58	90.02	935.674	170.4	
12:56:58	95.02	998.029	170.4	
13:01:58	100.02	1055.212	170.4	
13:06:58	105.02	1109.466	170.4	
13:11:58	110.02	1163.038	170.4	
13:16:58	115.02	1210.740	170.4	
13:21:58	120.02	1256.028	170.4	
13:22:00				PULL PACKERS FREE
13:26:58	125.02	1304.950	170.4	
13:28:10	126.22	1324.659	170.4	

*** End of Period 4 ***

13:28:26		3205.979	170.4	
13:29:11		3217.545	170.4	
13:29:58		3300.221	170.4	
13:30:36		3163.162	170.4	
13:31:31		3231.873	170.4	
13:32:04		3213.402	170.4	
13:32:52		3215.646	170.4	
13:35:21		3215.819	170.4	
13:36:00				F.HYDROSTATIC DST#3
13:38:00				END OF DST #3
13:40:00				LAY OUT 8 STANDS OF DRILL PIPE
13:40:00		3215.819	170.4	
13:40:14		3214.783	170.4	
13:41:56		3068.874	170.4	
13:42:38		3298.150	170.4	
13:44:29		3188.025	170.4	
13:46:40		3107.560	170.4	
13:47:48		3164.371	170.4	
13:49:47		3153.321	170.4	
13:51:10		3073.883	170.4	
13:51:55		3131.736	170.4	
13:53:33		3112.396	170.4	
13:54:34		3024.829	170.4	

PRESSURE VS TIME

MECHANICAL gauge no.: 7984
Clock no.:Gauge Depth: 6621.96 ft
24

Hour:

TIME
HH:MM:SSD TIME
(min)PRESSURE
(psi)TEMP
(F)

COMMENTS

31-AUG-90

Data Print Frequency: 1

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)
13:55:34		3091.672	170.4
13:57:57		3073.710	170.4
13:58:23		3018.956	170.4
13:59:18		3051.948	170.4
14:06:26		3047.284	170.4
14:11:19		3046.421	170.4
14:11:44		3018.783	170.4
14:12:23		3128.110	170.4
14:12:54		3054.884	170.4
14:13:40		3131.218	170.4
14:15:34		3093.744	170.4
14:17:34		3076.819	170.4
14:17:56		3043.139	170.4
14:18:19		3142.097	170.4
14:18:46		3120.339	170.4
14:19:09		3153.321	170.4
14:20:44		3111.705	170.4
14:22:02		3073.365	170.4
14:23:37		3061.447	170.4
14:24:25		3137.607	170.4
14:25:08		3066.111	170.4
14:27:38		3093.054	170.4
14:28:00			
14:28:00			
14:36:04		3094.608	170.4
14:38:37		3085.109	170.4
14:40:00			
14:41:56		3078.892	170.4
14:44:13		3092.536	170.4
14:50:55		3093.226	170.4
14:52:03		3055.748	170.4
14:52:32		3152.803	170.4
14:53:00			
14:53:28		3060.757	170.4
14:54:00			
14:54:54		3087.873	170.4
15:01:49		3096.162	170.4
15:03:19		3111.187	170.4
15:05:26		3088.909	170.4
15:09:13		3074.919	170.4
15:10:53		3085.627	170.4
15:17:43		3092.017	170.4
15:19:00			
15:20:00			
15:20:03		3130.700	170.4
15:20:50		3092.708	170.4

START OF DST #4
START TO ROTATE

PICK UP 10ft PUP JOINT

CHECK OVERPULL - PACKERS FREE

START TO ROTATE

I.HYDROSTATIC DST#4
PULL SLIPS

PRESSURE VS TIME

MECHANICAL gauge no.: 7984
Clock no.:Gauge Depth: 6621.96 ft
24

Hour:

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS
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31-AUG-90

Data Print Frequency: 1

15:22:00				SIT WEIGHT ON TOOL
15:22:00				PICK FREE POINT
15:24:00				HOOK UP CHICKSANS
15:24:25		3076.128	170.4	
15:27:28		3071.120	170.4	
15:28:00				SET WEIGHT ON TOOL
15:28:22		3092.881	170.4	
		*** Start of Period 5 ***		
15:30:33	0.00	765.950	170.4	
15:31:00				TOOL OPEN - STRONG BLOW
15:31:34	1.02	726.599	170.4	
15:32:34	2.01	824.470	170.4	
15:33:35	3.02	870.225	170.4	
15:34:00				TOOL OPEN - STRONG BLOW
15:34:34	4.01	905.452	170.4	
15:34:45	4.19	911.496	170.4	
15:35:00				TOOL OPEN - STRONG BLOW
		*** End of Period 5 ***		
		*** Start of Period 6 ***		
15:35:46	1.02	1930.033	170.4	
15:36:00				TOOL OPEN - STRONG BLOW
15:36:45	2.01	2382.773	170.4	
15:37:00				CLOSE TOOL
15:37:46	3.02	2490.010	170.4	
15:38:46	4.01	2548.291	170.4	
15:39:45	5.00	2569.388	170.4	
15:40:46	6.02	2588.064	170.4	
15:41:45	7.01	2601.206	170.4	
15:42:46	8.02	2614.002	170.4	
15:43:46	9.01	2626.106	170.4	
15:44:45	10.00	2633.541	170.4	
15:46:45	12.01	2646.855	170.4	
15:48:45	14.01	2658.439	170.4	
15:50:46	16.02	2668.121	170.4	
15:52:46	18.02	2676.766	170.4	
15:54:45	20.00	2683.336	170.4	
15:56:45	22.00	2690.079	170.4	
15:58:45	24.01	2695.265	170.4	
16:00:46	26.02	2699.587	170.4	
16:02:46	28.02	2703.218	170.4	
16:04:45	30.00	2705.811	170.4	
16:06:45	32.00	2707.540	170.4	
16:08:45	34.01	2709.442	170.4	
16:10:46	36.02	2711.689	170.4	
16:12:46	38.02	2713.937	170.4	
16:14:45	40.00	2716.011	170.4	

PRESSURE VS TIME

MECHANICAL gauge no.: 7984
Clock no.:Gauge Depth: 6621.96 ft
24

Hour:

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

31-AUG-90		Data Print Frequency: 1		
16:19:45	45.00	2717.913	170.4	
16:24:45	50.00	2719.987	170.4	
16:29:45	55.00	2722.235	170.4	
16:33:04	58.32	2723.445	170.4	
		*** End of Period 6 ***		
		*** Start of Period 7 ***		
16:37:35	0.00	1279.710	170.4	
16:38:36	1.02	1017.549	170.4	
16:39:36	2.01	1015.994	170.4	
16:40:37	3.02	1051.756	170.4	
16:41:36	4.01	1104.110	170.4	
16:42:35	5.00	1161.482	170.4	
16:43:36	6.02	1220.074	170.4	
16:44:36	7.01	1271.585	170.4	
16:45:37	8.02	1329.154	170.4	
16:46:36	9.01	1481.838	170.4	
16:47:37	10.03	1511.584	170.4	
16:49:00				TOOL OPEN - Co2 TO SURFACE
16:49:36	12.01	1558.799	170.4	
16:51:36	14.01	1586.646	170.4	
16:53:36	16.02	1601.175	170.4	
16:54:00				TOOL OPEN - Co2 TO SURFACE
16:55:37	18.02	1616.050	170.4	
16:57:35	20.00	1632.656	170.4	
16:58:36	21.02	1637.499	170.4	
17:00:28	22.87	1624.180	170.4	
17:01:36	24.01	1625.737	170.4	
17:02:00				TOOL OPEN - Co2 TO SURFACE
17:03:36	26.02	1628.850	170.4	
17:05:37	28.02	1633.520	170.4	
17:07:00				TOOL OPEN - Co2 TO SURFACE
17:07:35	30.00	1637.672	170.4	
17:09:36	32.00	1640.093	170.4	
17:11:36	34.01	1642.169	170.4	
17:13:36	36.02	1644.591	170.4	
17:15:37	38.02	1645.975	170.4	
17:17:35	40.00	1646.667	170.4	
17:22:35	45.00	1648.915	170.4	
17:26:00				TOOL OPEN - Co2 TO SURFACE
17:27:35	50.00	1652.202	170.4	
17:32:35	55.00	1655.488	170.4	
17:33:00				TOOL OPEN - Co2 TO SURFACE
17:37:35	60.00	1655.488	170.4	
17:42:00				TOOL OPEN - Co2 TO SURFACE
17:42:35	65.00	1652.894	170.4	
17:47:35	70.00	1649.261	170.4	

PRESSURE VS TIME

MECHANICAL gauge no.: 7984

Gauge Depth: 6621.96 ft

Clock no.:

Hour:

24

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

31-AUG-90		Data Print Frequency: 1		
17:52:35	75.00	1645.975	170.4	
17:57:35	80.00	1642.861	170.4	
18:00:00				TOOL OPEN - Co2 TO SURFACE
18:02:35	85.00	1639.748	170.4	
18:07:37	90.02	1635.596	170.4	
18:12:37	95.02	1634.385	170.4	
18:17:37	100.02	1632.310	170.4	
18:22:37	105.02	1630.234	170.4	
18:27:37	110.02	1627.466	170.4	
18:30:00				TOOL OPEN - Co2 TO SURFACE
18:32:37	115.02	1623.142	170.4	
18:37:37	120.02	1618.645	170.4	
18:42:37	125.02	1615.531	170.4	
18:47:37	130.02	1611.034	170.4	
18:52:37	135.02	1607.575	170.4	
18:57:37	140.02	1605.499	170.4	
18:59:00				TOOL OPEN - Co2 TO SURFACE
19:07:37	150.02	1616.223	170.4	
19:12:37	155.02	1616.050	170.4	
19:15:00				TOOL OPEN - Co2 TO SURFACE
19:17:37	160.02	1613.975	170.4	
19:22:36	165.02	1614.494	170.4	
19:27:36	170.02	1613.456	170.4	
19:30:00				TOOL OPEN - Co2 TO SURFACE
19:32:36	175.02	1610.515	170.4	
19:37:36	180.02	1608.959	170.4	
19:42:36	185.02	1608.786	170.4	
19:45:00				TOOL OPEN - Co2 TO SURFACE
19:47:00				CLOSE TOOL
19:47:36	190.02	1606.018	170.4	
19:52:36	195.02	1601.867	170.4	
19:53:16	195.68	1601.694	170.4	
		*** End of Period 7 ***		
		*** Start of Period 8 ***		
19:54:17	1.02	2001.313	170.4	
19:55:16	2.01	2072.247	170.4	
19:56:17	3.02	2132.627	170.4	
19:57:17	4.01	2189.372	170.4	
19:58:16	5.00	2234.870	170.4	
19:59:17	6.02	2267.566	170.4	
20:00:16	7.01	2295.072	170.4	
20:01:17	8.02	2324.134	170.4	
20:02:17	9.01	2345.064	170.4	
20:03:16	10.00	2364.438	170.4	
20:04:17	11.02	2369.281	170.4	
20:05:16	12.01	2370.146	170.4	

PRESSURE VS TIME

MECHANICAL gauge no.: 7984
Clock no.:

Gauge Depth: 6621.96 ft
24

Hour:

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS
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31-AUG-90

Data Print Frequency: 1

20:06:17	13.02	2365.822	170.4
20:07:17	14.01	2360.805	170.4
20:08:16	15.00	2353.886	170.4
20:09:17	16.02	2349.043	170.4
20:10:16	17.01	2345.756	170.4
20:11:17	18.02	2344.026	170.4
20:12:17	19.01	2342.470	170.4
20:13:16	20.00	2341.778	170.4
20:15:16	22.00	2342.989	170.4
20:17:17	24.01	2345.064	170.4
20:19:17	26.02	2349.735	170.4
20:21:17	28.02	2354.232	170.4
20:23:16	30.00	2359.768	170.4
20:25:16	32.00	2364.438	170.4
20:27:17	34.01	2369.108	170.4
20:29:17	36.02	2374.817	170.4
20:31:17	38.02	2380.352	170.4
20:33:16	40.00	2385.541	170.4
20:38:16	45.00	2396.611	170.4
20:43:16	50.00	2407.508	170.4
20:48:16	55.00	2418.232	170.4
20:53:16	60.00	2428.091	170.4
20:58:16	65.00	2436.393	170.4
21:03:16	70.00	2444.868	170.4
21:08:16	75.00	2452.133	170.4
21:13:16	80.00	2459.224	170.4
21:18:16	85.00	2466.142	170.4
21:23:17	90.02	2471.504	170.4
21:28:17	95.02	2479.633	170.4
21:33:17	100.02	2485.513	170.4
21:38:17	105.02	2491.393	170.4
21:43:17	110.02	2496.582	170.4
21:48:17	115.02	2501.597	170.4
21:53:17	120.02	2507.477	170.4
21:58:17	125.02	2511.974	170.4
22:03:17	130.02	2516.643	170.4
22:05:05	131.82	2518.200	170.4

*** End of Period 8 ***

22:06:58		3104.970	170.4
22:07:34		13.637	170.4
22:08:12		13.637	170.4

PULL FREE - OPEN BYPASS
F.HYDROSTATIC DST#4
RIG UP SURFACE EQUIPMENT
REVERSE CIRCULATE

1-SEP-90

00:30:00				PULL OUT OF HOLE
05:00:00				TOOLS AT FLOOR
07:25:00				TOOLS LAID OUT

STOP LOGGING SURFACE GAGES #71670

TEST PERIOD SUMMARY

Gauge No.: 7483 Depth: 6792.25 ft Blanked off : Yes
Hour of clock: 48

ID	PERIOD	DESCRIPTION	PRESSURE (psi)	DURATION (min)
A		Initial Hydrostatic	3310.22	
B	1	Start Draw-down	138.84	
C		End Draw-down	136.14	4.32
C	2	Start Build-up	136.14	
D		End Build-up	1948.04	60.06
E	3	Start Draw-down	168.50	
F		End Draw-down	226.24	120.07
F	4	Start Build-up	226.24	
G		End Build-up	1382.48	125.65
H		Final Hydrostatic	3283.09	

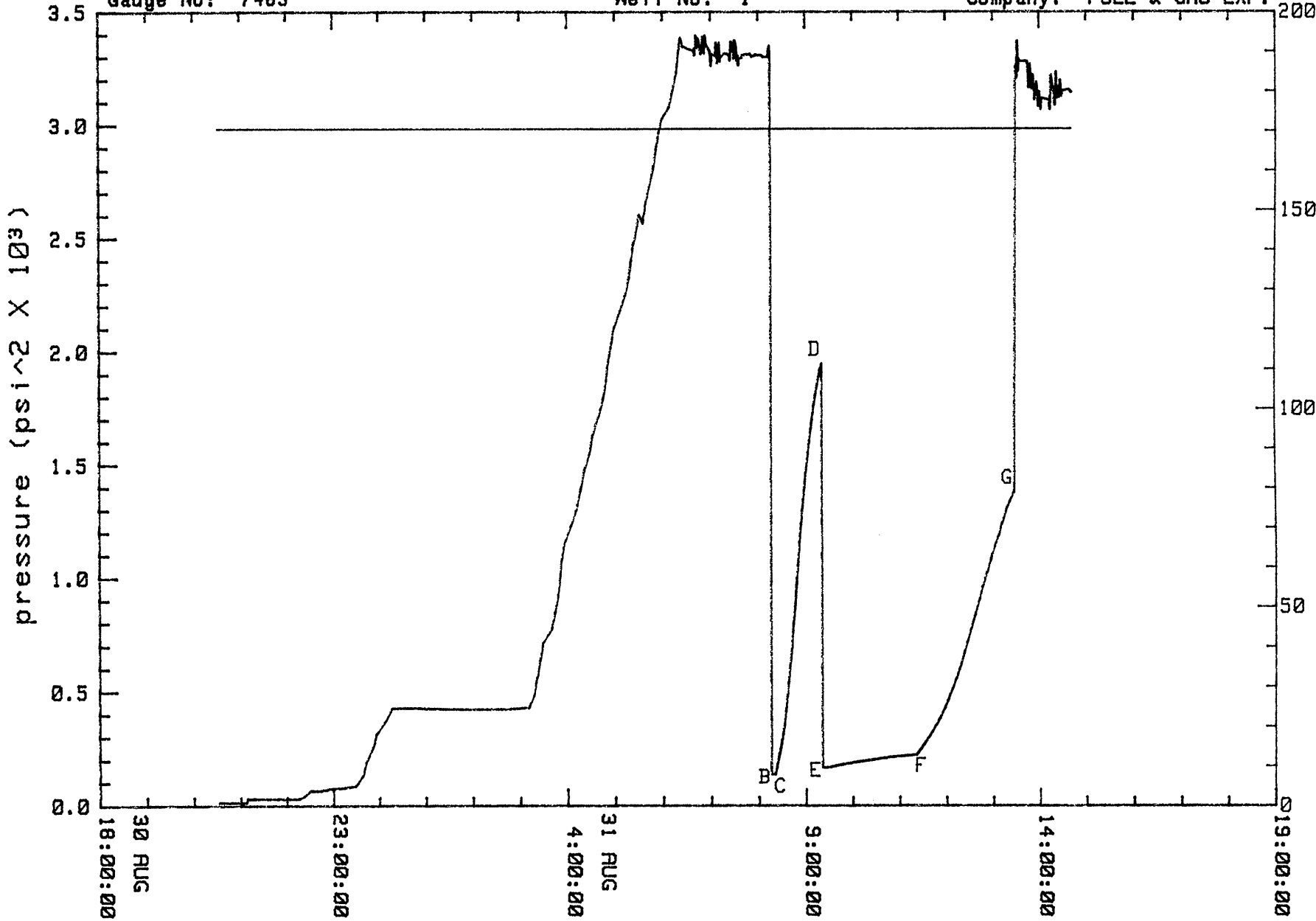
NOTE: for Pressure vs. Time Plot, see next page.

Pressure/Temperature History

Test No: 3-4
Gauge No: 7483

Well No: 1

Company: FUEL & GAS EXP.



Date: 31-8-90

Ticket No: 359406
temperature (F)

Page No: 3.2.0

PRESSURE VS TIME

MECHANICAL gauge no.: 7483
Clock no.:

Gauge Depth: 6792.25 ft
48

Hour:

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS
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30-AUG-90

Data Print Frequency: 1

20:32:49		12.626	170.4	
20:47:49		12.626	170.4	
21:02:49		12.626	170.4	
21:07:01		12.626	170.4	
21:09:18		31.173	170.4	
21:17:49		29.746	170.4	
21:32:49		29.746	170.4	
21:47:49		29.746	170.4	
22:02:49		29.746	170.4	
22:14:56		29.746	170.4	
22:21:43		43.697	170.4	
22:29:53		65.734	170.4	
22:44:03		68.271	170.4	
22:59:49		76.833	170.4	
23:14:24		80.955	170.4	
23:28:41		87.456	170.4	
23:38:10		131.224	170.4	
23:43:05		192.764	170.4	
23:51:47		254.477	170.4	
23:56:53		318.266	170.4	

31-AUG-90

00:07:16		370.163	170.4	
00:16:49		428.737	170.4	
00:33:47		431.277	170.4	
01:00:00				
01:00:00				
01:00:00				
01:00:37		426.355	170.4	
01:22:52		425.562	170.4	
01:44:39		424.133	170.4	
02:07:53		424.133	170.4	
02:35:32		424.133	170.4	
02:48:52		427.943	170.4	
03:11:25		433.023	170.4	
03:17:40		483.826	170.4	
03:22:10		563.220	170.4	
03:25:56		637.706	170.4	
03:29:47		716.650	170.4	
03:40:10		773.681	170.4	
03:44:00				
03:44:29		844.223	170.4	
03:48:27		922.558	170.4	
03:50:00				
03:50:58		1003.124	170.4	
03:52:49		1081.152	170.4	
03:56:33		1157.595	170.4	

START OF DST #3
SURFACE PRESSURE = PSIG
MAKE UP TOOLS

START GRC-EMR710 GAUGE #71678

RUN IN HOLE

PRESSURE VS TIME

MECHANICAL gauge no.: 7483
Clock no.:

Gauge Depth: 6792.25 ft
48

Hour:

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS
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31-AUG-90

Data Print Frequency: 1

04:04:35		1230.225	170.4	
04:11:29		1299.040	170.4	
04:16:42		1385.336	170.4	
04:21:16		1474.806	170.4	
04:27:23		1548.697	170.4	
04:31:24		1631.956	170.4	
04:38:40		1711.075	170.4	
04:44:54		1791.454	170.4	
04:48:41		1871.344	170.4	
04:51:05		1946.614	170.4	
04:54:45		2019.331	170.4	
04:58:42		2099.810	170.4	
05:06:12		2171.225	170.4	
05:12:41		2246.113	170.4	
05:17:29		2320.029	170.4	
05:20:33		2396.461	170.4	
05:23:15		2473.345	170.4	
05:27:56		2553.688	170.4	
05:29:58		2606.442	170.4	
05:35:26		2567.630	170.4	
05:38:33		2649.363	170.4	
05:43:21		2727.739	170.4	
05:48:41		2808.930	170.4	
05:52:07		2893.564	170.4	
05:55:57		2970.883	170.4	
05:58:53		3025.570	170.4	
06:08:26		3077.868	170.4	
06:13:03		3154.308	170.4	
06:17:58		3233.548	170.4	
06:20:26		3313.217	170.4	
06:23:08		3387.322	170.4	
06:25:43		3349.013	170.4	
06:33:16		3334.980	170.4	
06:39:49		3328.515	170.4	
06:40:43		3309.905	170.4	
06:42:31		3395.361	170.4	
06:43:46		3341.603	170.4	
06:44:44		3384.642	170.4	
06:46:57		3356.108	170.4	
06:48:45		3314.794	170.4	
06:49:54		3324.414	170.4	
06:51:06		3391.420	170.4	
06:52:25		3316.687	170.4	
06:53:30		3397.410	170.4	
06:55:14		3352.167	170.4	
06:59:33		3330.407	170.4	

PRESSURE VS TIME

MECHANICAL gauge no.: 7483
Clock no.:Gauge Depth: 6792.25 ft
48

Hour:

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS
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31-AUG-90

Data Print Frequency: 1

07:00:35		3317.318	170.4	
07:01:29		3260.373	170.4	
07:02:48		3314.163	170.4	
07:06:56		3305.647	170.4	
07:07:50		3365.725	170.4	
07:09:56		3273.467	170.4	
07:12:02		3364.307	170.4	
07:13:18		3279.778	170.4	
07:13:47		3299.969	170.4	
07:18:13		3315.110	170.4	
07:21:17		3316.845	170.4	
07:24:53		3308.012	170.4	
07:26:01		3287.350	170.4	
07:27:17		3368.563	170.4	
07:29:44		3338.291	170.4	
07:30:00				ROTATE 50rpm FOR 20min
07:30:42		3295.868	170.4	
07:31:36		3374.081	170.4	
07:33:06		3347.752	170.4	
07:34:39		3285.614	170.4	
07:35:19		3305.962	170.4	
07:36:24		3264.633	170.4	
07:37:14		3293.501	170.4	
07:39:45		3297.603	170.4	
07:40:43		3307.855	170.4	
07:45:24		3313.217	170.4	
07:50:05		3315.110	170.4	
07:52:43		3303.912	170.4	
07:55:43		3308.170	170.4	
07:57:24		3310.694	170.4	
08:00:00				MAKE UP SURFACE EQUIPMENT
08:02:16		3310.221	170.4	
08:04:22		3310.221	170.4	
08:07:22		3302.334	170.4	
08:08:00				I.HYDROSTACTIC DST#3
08:13:00				SET WEIGHT ON TOOL
08:13:04		3299.811	170.4	
08:14:34		3350.748	170.4	
08:15:17		3330.722	170.4	
08:16:00				TOOL OPEN - VERY WEAK BLOW

*** Start of Period 1 ***

08:16:00	0.00	138.836	170.4	
08:17:01	1.02	138.043	170.4	
08:18:02	2.04	138.519	170.4	
08:19:00	3.00	139.312	170.4	
08:20:01	4.02	140.105	170.4	

PRESSURE VS TIME

MECHANICAL gauge no.: 7483
Clock no.:

Gauge Depth: 6792.25 ft
48

Hour:

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS
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31-AUG-90

Data Print Frequency: 1

08:20:19
08:21:00

4.32

136.140 170.4

TOOL CLOSED

*** End of Period 1 ***

*** Start of Period 2 ***

08:21:20	1.02	151.524	170.4
08:22:22	2.04	165.164	170.4
08:23:19	3.00	184.833	170.4
08:24:20	4.02	200.854	170.4
08:25:22	5.04	217.352	170.4
08:26:19	6.00	230.520	170.4
08:27:20	7.02	247.654	170.4
08:28:22	8.04	270.185	170.4
08:29:19	9.00	290.654	170.4
08:30:20	10.02	310.966	170.4
08:32:19	12.00	353.657	170.4
08:34:22	14.04	412.227	170.4
08:36:20	16.02	479.381	170.4
08:38:19	18.00	544.006	170.4
08:40:22	20.04	614.517	170.4
08:42:21	22.02	690.916	170.4
08:44:19	24.00	789.251	170.4
08:46:22	26.04	861.224	170.4
08:48:21	28.02	972.295	170.4
08:50:19	30.00	1053.818	170.4
08:52:22	32.04	1156.323	170.4
08:54:21	34.02	1238.648	170.4
08:56:19	36.00	1313.979	170.4
08:58:22	38.04	1391.693	170.4
09:00:21	40.02	1468.290	170.4
09:02:19	42.00	1529.152	170.4
09:04:22	44.04	1592.234	170.4
09:06:21	46.02	1652.451	170.4
09:08:19	48.00	1699.636	170.4
09:10:22	50.04	1760.797	170.4
09:12:21	52.02	1806.067	170.4
09:14:19	54.00	1843.709	170.4
09:16:22	56.04	1883.890	170.4
09:18:21	58.02	1919.938	170.4
09:20:23	60.06	1948.043	170.4

TOOL OPEN - VERY WEAK BLOW

*** End of Period 2 ***

*** Start of Period 3 ***

09:21:24	0.00	168.495	170.4
09:22:25	1.02	166.116	170.4
09:23:27	2.04	167.702	170.4
09:24:24	3.00	168.336	170.4

PRESSURE VS TIME

MECHANICAL gauge no.: 7483
Clock no.:Gauge Depth: 6792.25 ft
48

Hour:

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

31-AUG-90				Data Print Frequency: 1
09:25:25	4.02	168.654	170.4	
09:26:27	5.04	169.130	170.4	
09:31:25	10.02	171.033	170.4	
09:36:24	15.00	174.047	170.4	
09:41:27	20.04	177.695	170.4	
09:46:00				TOOL OPEN - VERY WEAK BLOW
09:46:26	25.02	181.026	170.4	
09:51:24	30.00	184.833	170.4	
09:56:27	35.04	187.529	170.4	
10:00:00				CLOSE MANIFOLD -VERY WEAK BLOW
10:01:26	40.02	190.543	170.4	
10:06:24	45.00	193.240	170.4	
10:11:27	50.04	195.937	170.4	
10:15:00				CLOSED MANIFOLD-VERY WEAK BLOW
10:21:24	60.00	201.013	170.4	
10:30:00				CLOSED MANIFOLD-VERY WEAK BLOW
10:31:26	70.02	206.089	170.4	
10:41:27	80.05	211.324	170.4	
10:45:00				CLOSED MANIFOLD-VERY WEAK BLOW
10:51:25	90.01	216.242	170.4	
11:00:00				CLOSED MANIFOLD-VERY WEAK BLOW
11:01:26	100.03	219.256	170.4	
11:11:27	110.05	222.429	170.4	
11:15:00				CLOSED MANIFOLD-VERY WEAK BLOW
11:21:25	120.01	226.236	170.4	
11:21:28	120.07	226.236	170.4	
11:22:00				TOOL CLOSED
				*** End of Period 3 ***
				*** Start of Period 4 ***
11:22:30	1.02	229.885	170.4	
11:23:31	2.04	234.486	170.4	
11:24:28	3.00	239.087	170.4	
11:25:30	4.02	243.371	170.4	
11:26:31	5.04	248.924	170.4	
11:27:28	6.00	252.414	170.4	
11:28:30	7.02	257.967	170.4	
11:29:31	8.04	262.569	170.4	
11:30:28	9.00	267.011	170.4	
11:31:30	10.02	271.454	170.4	
11:36:28	15.00	296.366	170.4	
11:41:31	20.04	323.820	170.4	
11:46:30	25.02	351.593	170.4	
11:51:28	30.00	383.179	170.4	
11:56:31	35.04	418.259	170.4	
12:01:30	40.02	460.170	170.4	
12:06:28	45.00	505.420	170.4	

PRESSURE VS TIME

MECHANICAL gauge no.: 7483
Clock no.:Gauge Depth: 6792.25 ft
48

Hour:

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

31-AUG-90		Data Print Frequency:	1	
12:11:31	50.04	550.516	170.4	
12:16:30	55.02	598.953	170.4	
12:21:29	60.00	656.765	170.4	
12:26:31	65.04	716.332	170.4	
12:31:30	70.02	775.747	170.4	
12:36:29	75.00	835.167	170.4	
12:41:31	80.05	898.564	170.4	
12:46:30	85.03	961.489	170.4	
12:51:29	90.01	1018.221	170.4	
12:56:31	95.05	1078.133	170.4	
13:01:30	100.03	1136.617	170.4	
13:06:29	105.01	1185.248	170.4	
13:11:31	110.05	1240.873	170.4	
13:16:30	115.03	1295.544	170.4	
13:21:29	120.01	1336.229	170.4	
13:22:00				PULL PACKERS FREE
13:26:31	125.05	1377.707	170.4	
13:27:07	125.65	1382.475	170.4	
		*** End of Period 4 ***		
13:29:49		3259.268	170.4	
13:31:12		3266.999	170.4	
13:31:44		3207.508	170.4	
13:32:24		3372.662	170.4	
13:34:01		3235.758	170.4	
13:34:30		3293.028	170.4	
13:34:55		3283.090	170.4	
13:36:00				F.HYDROSTATIC DST#3
13:36:11		3283.090	170.4	
13:36:36		3283.090	170.4	
13:38:00				END OF DST #3
13:40:00				LAY OUT 8 STANDS OF DRILL PIPE
13:42:36		3281.355	170.4	
13:45:07		3279.778	170.4	
13:46:30		3237.651	170.4	
13:47:06		3164.571	170.4	
13:48:40		3271.101	170.4	
13:50:35		3158.729	170.4	
13:52:48		3222.817	170.4	
13:55:09		3112.303	170.4	
13:57:36		3189.514	170.4	
13:59:31		3081.976	170.4	
14:01:05		3149.256	170.4	
14:02:53		3069.180	170.4	
14:03:51		3120.357	170.4	
14:13:45		3109.618	170.4	
14:14:57		3070.127	170.4	

PRESSURE VS TIME

MECHANICAL gauge no.: 7483
Clock no.:Gauge Depth: 6792.25 ft
48

Hour:

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS
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31-AUG-90

Data Print Frequency: 1

14:15:58		3221.081	170.4	
14:19:34		3144.203	170.4	
14:21:29		3089.400	170.4	
14:22:19		3234.495	170.4	
14:24:18		3119.094	170.4	
14:26:35		3121.305	170.4	
14:27:47		3200.405	170.4	
14:28:00				START OF DST #4
14:28:00				START TO ROTATE
14:29:13		3127.780	170.4	
14:30:51		3150.992	170.4	
14:38:39		3156.519	170.4	
14:40:00				PICK UP 10ft PUP JOINT
14:41:10		3146.098	170.4	
14:41:31		3146.098	170.4	
14:53:00				CHECK OVERPULL - PACKERS FREE
14:54:00				START TO ROTATE
15:19:00				I.HYDROSTATIC DST#4
15:20:00				PULL SLIPS
15:22:00				SIT WEIGHT ON TOOL
15:22:00				PICK FREE POINT
15:24:00				HOOK UP CHICKSANS
15:28:00				SET WEIGHT ON TOOL
15:31:00				TOOL OPEN - STRONG BLOW
15:34:00				TOOL OPEN - STRONG BLOW
15:35:00				TOOL OPEN - STRONG BLOW
15:36:00				TOOL OPEN - STRONG BLOW
15:37:00				CLOSE TOOL
16:49:00				TOOL OPEN - Co2 TO SURFACE
16:54:00				TOOL OPEN - Co2 TO SURFACE
17:02:00				TOOL OPEN - Co2 TO SURFACE
17:07:00				TOOL OPEN - Co2 TO SURFACE
17:26:00				TOOL OPEN - Co2 TO SURFACE
17:33:00				TOOL OPEN - Co2 TO SURFACE
17:42:00				TOOL OPEN - Co2 TO SURFACE
18:00:00				TOOL OPEN - Co2 TO SURFACE
18:30:00				TOOL OPEN - Co2 TO SURFACE
18:59:00				TOOL OPEN - Co2 TO SURFACE
19:15:00				TOOL OPEN - Co2 TO SURFACE
19:30:00				TOOL OPEN - Co2 TO SURFACE
19:45:00				TOOL OPEN - Co2 TO SURFACE
19:47:00				CLOSE TOOL
22:55:00				PULL FREE - OPEN BYPASS
22:58:00				F.HYDROSTATIC DST#4
23:00:00				RIG UP SURFACE EQUIPMENT
23:12:00				REVERSE CIRCULATE

Date: 31-8-90

Ticket No: 359406

Page No: 3.2.8

PRESSURE VS TIME

MECHANICAL gauge no.: 7483
Clock no.:

Gauge Depth: 6792.25 ft
48

Hour:

TIME	D TIME	PRESSURE	TEMP	COMMENTS
HH:MM:SS	(min)	(psi)	(F)	

1-SEP-90

Data Print Frequency: 1

00:30:00

PULL OUT OF HOLE

05:00:00

TOOLS AT FLOOR

07:25:00

TOOLS LAID OUT

07:31:00

STOP GRC-EMR710 GAUGE #71678

TEST PERIOD SUMMARY

Gauge No.: 2170 Depth: 6604.56 ft Blanked off : No
Hour of clock: 48

ID	PERIOD	DESCRIPTION	PRESSURE (psi)	DURATION (min)
A	1	Start Draw-down	13.94	
B		End Draw-down	57.04	4.97
B	2	Start Build-up	57.04	
C		End Build-up	59.79	59.96
C	3	Start Draw-down	59.79	
D		End Draw-down	151.15	119.80
D	4	Start Build-up	151.15	
E		End Build-up	153.09	125.49

NOTE: for Pressure vs. Time Plot, see next page.

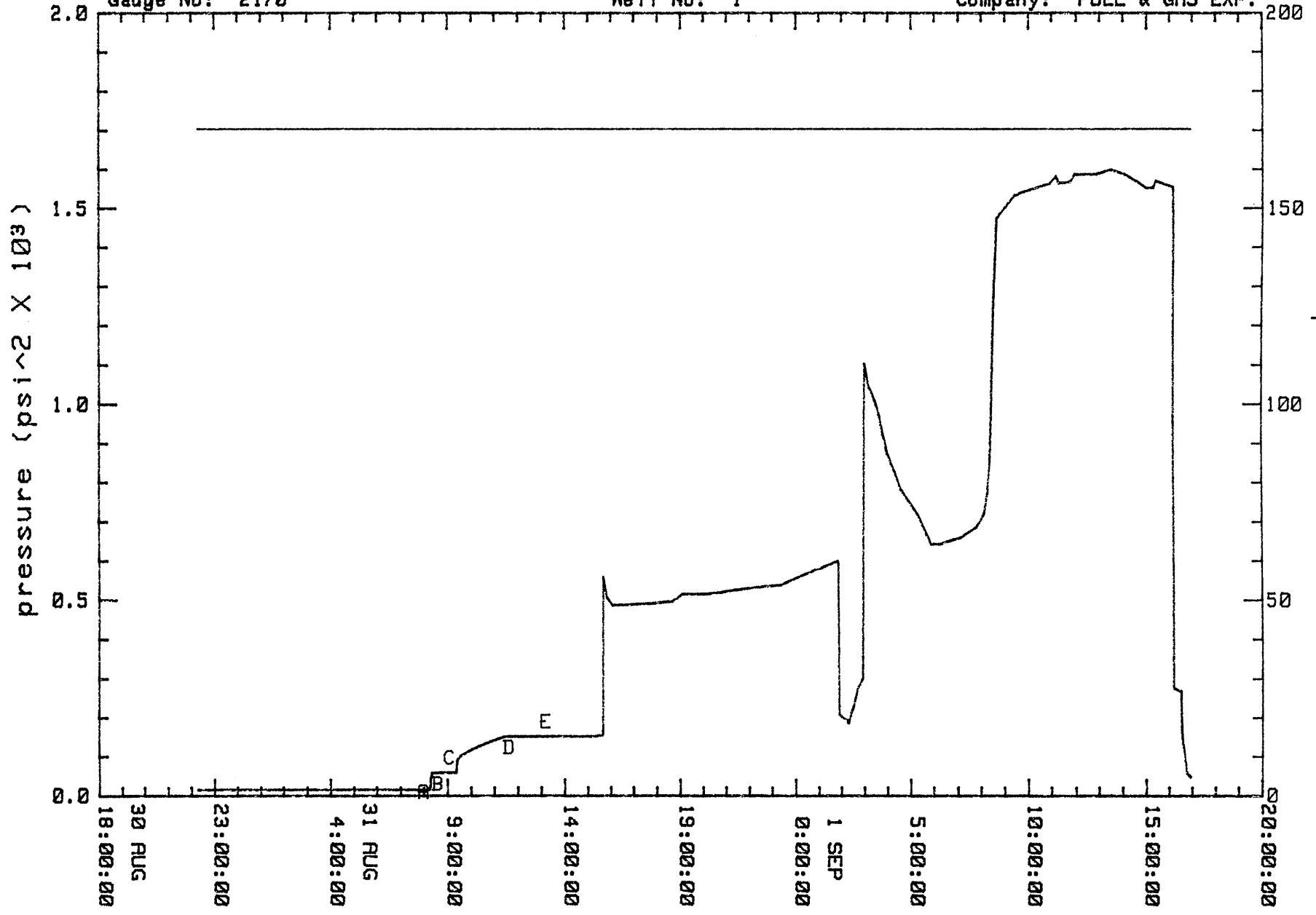
Pressure/Temperature History

Test No: 3-4
Gauge No: 2170

Well No: 1

Company: FUEL & GAS EXP.

Date: 31-8-90
Ticket No: 359406
Temperature (F)
Page No: 3.3.0



PRESSURE VS TIME

MECHANICAL gauge no.: 2170

Gauge Depth: 6604.56 ft

Clock no.:

Hour:

48

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

30-AUG-90				Data Print Frequency: 1
22:17:47		13.942	170.4	
22:47:47		13.942	170.4	
23:17:48		13.942	170.4	
23:47:49		13.942	170.4	
31-AUG-90				
00:17:49		13.942	170.4	
00:47:46		13.942	170.4	
01:00:00				START OF DST #3
01:00:00				SURFACE PRESSURE = PSIG
01:00:00				MAKE UP TOOLS
01:17:47		13.942	170.4	
01:47:47		13.942	170.4	
02:17:48		13.942	170.4	
02:47:49		13.942	170.4	
03:17:49		13.942	170.4	
03:44:00				START GRC-EMR710 GAUGE #71678
03:47:46		13.942	170.4	
03:50:00				RUN IN HOLE
04:17:47		13.942	170.4	
04:47:47		13.942	170.4	
05:17:48		13.942	170.4	
05:47:48		13.942	170.4	
06:17:49		13.942	170.4	
06:47:46		13.942	170.4	
07:17:47		13.942	170.4	
07:30:00				ROTATE 50rpm FOR 20min
07:47:51		13.942	170.4	
08:00:00				MAKE UP SURFACE EQUIPMENT
08:08:00				I.HYDROSTACTIC DST#3
08:13:00				SET WEIGHT ON TOOL
08:16:00				TOOL OPEN - VERY WEAK BLOW
				*** Start of Period 1 ***
08:16:00	0.00	13.942	170.4	
08:17:01	1.02	23.143	170.4	
08:18:02	2.04	38.156	170.4	
08:19:03	3.05	44.936	170.4	
08:20:01	4.01	50.585	170.4	
08:20:58	4.97	57.042	170.4	
08:21:00				TOOL CLOSED
				*** End of Period 1 ***
				*** Start of Period 2 ***
08:21:59	1.02	58.011	170.4	
08:30:58	10.00	59.141	170.4	
08:40:59	20.01	59.302	170.4	
08:50:59	30.01	59.302	170.4	
09:00:59	40.01	59.302	170.4	

PRESSURE VS TIME

MECHANICAL gauge no.: 2170
Clock no.:Gauge Depth: 6604.56 ft
48

Hour:

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

31-AUG-90		Data Print Frequency: 1		
09:10:59	50.02	59.302	170.4	
09:20:56	59.96	59.787	170.4	
09:21:00				TOOL OPEN - VERY WEAK BLOW
		*** End of Period 2 ***		
		*** Start of Period 3 ***		
09:23:34	0.00	59.787	170.4	
09:24:35	1.02	80.449	170.4	
09:25:36	2.04	87.067	170.4	
09:26:37	3.05	91.749	170.4	
09:27:35	4.01	94.493	170.4	
09:28:36	5.03	95.300	170.4	
09:33:34	10.00	101.273	170.4	
09:43:34	20.01	107.891	170.4	
09:46:00				TOOL OPEN - VERY WEAK BLOW
09:53:35	30.01	113.702	170.4	
10:00:00				CLOSE MANIFOLD -VERY WEAK BLOW
10:03:35	40.01	119.029	170.4	
10:13:35	50.02	123.710	170.4	
10:15:00				CLOSED MANIFOLD-VERY WEAK BLOW
10:23:35	60.02	128.069	170.4	
10:30:00				CLOSED MANIFOLD-VERY WEAK BLOW
10:33:35	70.02	132.427	170.4	
10:43:36	80.03	136.624	170.4	
10:45:00				CLOSED MANIFOLD-VERY WEAK BLOW
10:53:36	90.03	140.176	170.4	
11:00:00				CLOSED MANIFOLD-VERY WEAK BLOW
11:03:36	100.03	143.727	170.4	
11:15:00				CLOSED MANIFOLD-VERY WEAK BLOW
11:22:00				TOOL CLOSED
11:23:22	119.80	151.152	170.4	
		*** End of Period 3 ***		
		*** Start of Period 4 ***		
11:24:23	1.02	151.637	170.4	
11:33:22	10.00	152.605	170.4	
11:43:22	20.01	152.605	170.4	
11:53:23	30.01	152.767	170.4	
12:03:23	40.01	152.767	170.4	
12:13:23	50.02	152.767	170.4	
12:23:23	60.02	153.089	170.4	
12:33:23	70.02	153.089	170.4	
12:43:24	80.03	153.089	170.4	
12:53:24	90.03	153.089	170.4	
13:03:24	100.03	153.089	170.4	
13:13:24	110.04	153.089	170.4	
13:22:00				PULL PACKERS FREE
13:23:24	120.04	153.089	170.4	

PRESSURE VS TIME

MECHANICAL gauge no.: 2170
 Clock no.:

Gauge Depth: 6604.56 ft
 48

Hour:

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

31-AUG-90				Data Print Frequency: 1
13:28:51	125.49	153.089	170.4	
13:36:00				F.HYDROSTATIC DST#3
13:38:00				END OF DST #3
13:40:00				LAY OUT 8 STANDS OF DRILL PIPE
				*** End of Period 4 ***
14:19:43		153.089	170.4	
14:28:00				START OF DST #4
14:28:00				START TO ROTATE
14:40:00				PICK UP 10ft PUP JOINT
14:53:00				CHECK OVERPULL - PACKERS FREE
14:54:00				START TO ROTATE
15:00:01		153.089	170.4	
15:19:00				I.HYDROSTATIC DST#4
15:20:00				PULL SLIPS
15:21:21		153.089	170.4	
15:22:00				SIT WEIGHT ON TOOL
15:22:00				PICK FREE POINT
15:24:00				HOOK UP CHICKSANS
15:28:00				SET WEIGHT ON TOOL
15:31:00				TOOL OPEN - STRONG BLOW
15:34:00				TOOL OPEN - STRONG BLOW
15:35:00				TOOL OPEN - STRONG BLOW
15:36:00				TOOL OPEN - STRONG BLOW
15:37:00				CLOSE TOOL
15:40:35		155.995	170.4	
15:41:39		558.086	170.4	
15:51:07		506.919	170.4	
16:06:06		486.420	170.4	
16:25:16		488.034	170.4	
16:43:43		488.841	170.4	
16:49:00				TOOL OPEN - Co2 TO SURFACE
16:54:00				TOOL OPEN - Co2 TO SURFACE
17:02:00				TOOL OPEN - Co2 TO SURFACE
17:07:00				TOOL OPEN - Co2 TO SURFACE
17:09:46		490.455	170.4	
17:26:00				TOOL OPEN - Co2 TO SURFACE
17:33:00				TOOL OPEN - Co2 TO SURFACE
17:42:00				TOOL OPEN - Co2 TO SURFACE
17:49:43		492.392	170.4	
18:00:00				TOOL OPEN - Co2 TO SURFACE
18:08:46		494.813	170.4	
18:30:00				TOOL OPEN - Co2 TO SURFACE
18:42:40		498.203	170.4	
18:59:00				TOOL OPEN - Co2 TO SURFACE
19:05:58		514.828	170.4	
19:15:00				TOOL OPEN - Co2 TO SURFACE

PRESSURE VS TIME

MECHANICAL gauge no.: 2170
 Clock no.:

Gauge Depth: 6604.56 ft
 48

Hour:

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS
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31-AUG-90		Data Print Frequency: 1		
19:30:00				TOOL OPEN - Co2 TO SURFACE
19:45:00				TOOL OPEN - Co2 TO SURFACE
19:47:00				CLOSE TOOL
19:54:37		514.828	170.4	
20:48:35		520.962	170.4	
21:23:34		526.288	170.4	
22:19:27		533.229	170.4	
22:55:00				PULL FREE - OPEN BYPASS
22:58:00				F.HYDROSTATIC DST#4
23:00:00				RIG UP SURFACE EQUIPMENT
23:12:00				REVERSE CIRCULATE
23:23:36		539.524	170.4	
1-SEP-90				
00:16:40		562.928	170.4	
00:30:00				PULL OUT OF HOLE
01:10:06		583.911	170.4	
01:52:24		600.536	170.4	
01:55:02		207.328	170.4	
02:14:41		194.737	170.4	
02:19:21		185.697	170.4	
02:29:43		221.533	170.4	
02:44:52		279.644	170.4	
02:55:57		299.822	170.4	
02:59:36		1103.575	170.4	
03:11:46		1045.645	170.4	
03:27:24		1011.113	170.4	
03:37:13		977.386	170.4	
03:49:05		921.226	170.4	
04:00:13		873.457	170.4	
04:15:40		832.465	170.4	
04:33:24		783.241	170.4	
04:53:39		754.513	170.4	
05:00:00				TOOLS AT FLOOR
05:16:54		720.781	170.4	
05:40:51		668.971	170.4	
05:52:28		641.372	170.4	
06:19:00		643.954	170.4	
06:42:22		652.347	170.4	
07:07:03		659.771	170.4	
07:25:00				TOOLS LAID OUT
07:31:00				STOP GRC-EMR710 GAUGE #71678
07:47:50		686.080	170.4	
08:06:42		716.746	170.4	
08:16:21		769.845	170.4	
08:23:00		857.641	170.4	
08:30:47		1207.971	170.4	

PRESSURE VS TIME

MECHANICAL gauge no.: 2170
Clock no.:

Gauge Depth: 6604.56 ft
48

Hour:

TIME	D TIME	PRESSURE	TEMP	COMMENTS
HH:MM:SS	(min)	(psi)	(F)	

1-SEP-90				Data Print Frequency: 1
08:34:19		1317.521	170.4	
08:41:09		1475.777	170.4	
09:01:38		1501.425	170.4	
09:27:27		1534.169	170.4	
10:03:16		1547.879	170.4	
10:57:07		1564.493	170.4	
11:11:41		1581.428	170.4	
11:19:53		1564.976	170.4	
11:47:59		1569.170	170.4	
11:57:55		1587.557	170.4	
12:56:19		1589.493	170.4	
13:30:39		1600.299	170.4	
14:06:14		1587.557	170.4	
14:37:26		1569.331	170.4	
15:01:24		1552.557	170.4	
15:19:36		1553.847	170.4	
15:27:34		1569.977	170.4	
16:01:39		1557.557	170.4	
16:09:59		1554.492	170.4	
16:12:05		275.286	170.4	
16:31:07		268.506	170.4	
16:34:40		154.704	170.4	
16:47:43		54.782	170.4	
16:55:09		48.487	170.4	

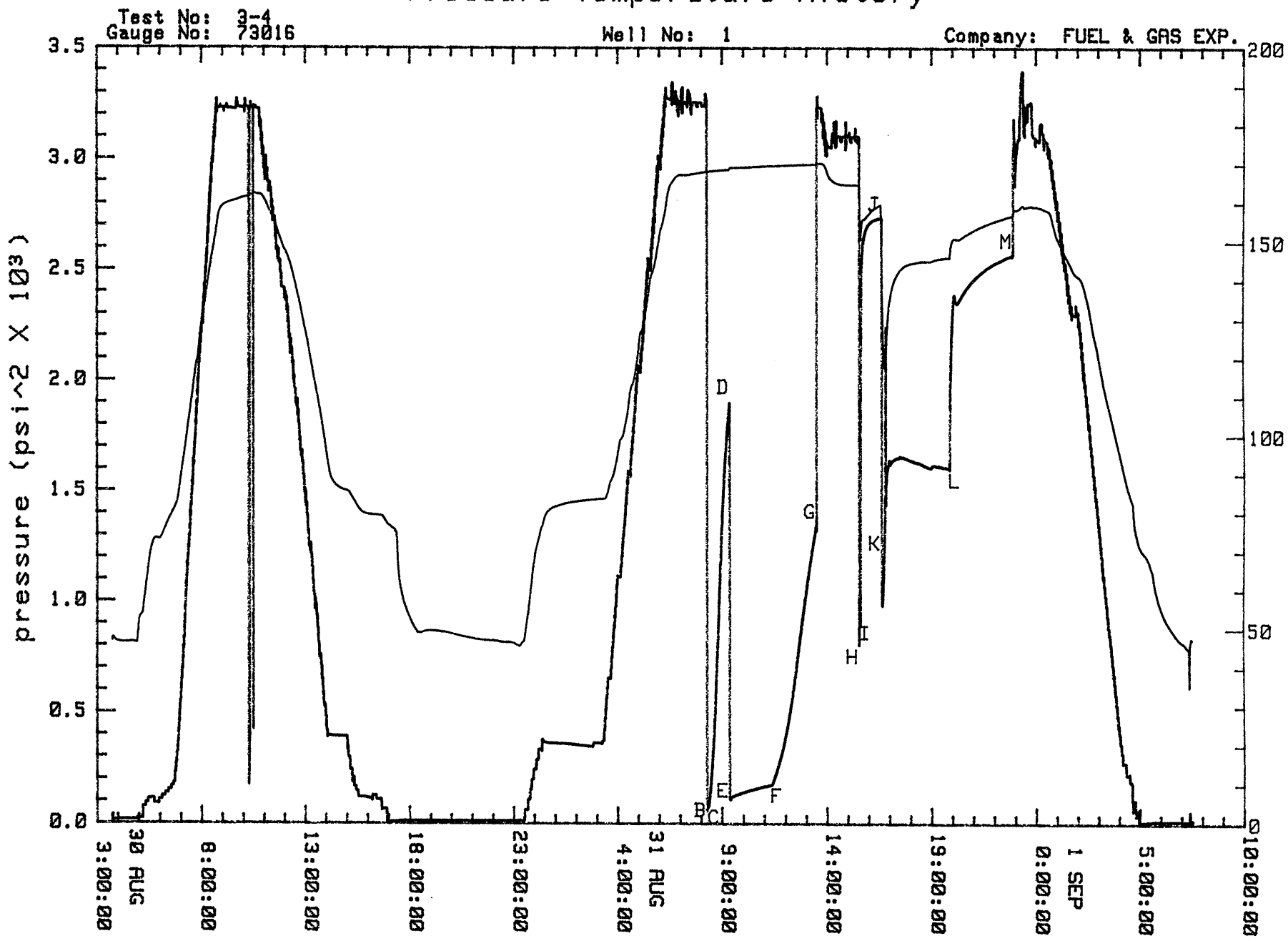
TEST PERIOD SUMMARY

Gauge No.: 73016 Depth: 6277.09 ft Blanked off: No

ID	PERIOD	DESCRIPTION	PRESSURE (psi)	DURATION (min)
A		Initial Hydrostatic	3100.74	
B	1	Start Draw-down	71.34	
C		End Draw-down	77.71	5.52
C	2	Start Build-up	77.71	
D		End Build-up	1907.35	59.76
E	3	Start Draw-down	160.25	
F		End Draw-down	174.62	120.24
F	4	Start Build-up	174.62	
G		End Build-up	1344.53	126.48
H	5	Start Draw-down	763.05	
I		End Draw-down	908.16	4.32
I	6	Start Build-up	908.16	
J		End Build-up	2734.97	58.80
K	7	Start Draw-down	1276.82	
L		End Draw-down	1597.23	196.56
L	8	Start Build-up	1597.23	
M		End Build-up	2568.33	181.44
N		Final Hydrostatic	3078.82	

NOTE: for Pressure vs. Time Plot, see next page.

Pressure/Temperature History



Date: 31-8-90
 Ticket No: 359406
 temperature (F)
 Page No: 4.1.10

PRESSURE VS TIME

GRC gauge no.: 73016

Gauge Depth: 6277.09 ft

Memory Recorder No.: 70700

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

30-AUG-90		Data Print Frequency: 20		
03:48:42		14.665	47.6	
03:53:30		16.916	47.1	
03:58:18		17.312	46.8	
04:03:06		17.334	46.6	
04:07:54		17.367	46.5	
04:12:42			46.5	
04:17:30		17.351	46.4	
04:22:18		17.351	46.4	
04:27:06		17.282	46.4	
04:31:54		17.351	46.5	
04:36:42		17.013	46.6	
04:41:30		17.708	46.6	
04:46:18			46.5	
04:51:06		16.750	46.4	
04:55:54		23.072	46.4	
05:00:42		24.448	50.4	
05:05:30		23.404	53.2	
05:10:18		24.421	53.8	
05:15:06		76.849	55.7	
05:19:54			59.5	
05:24:42		92.715	62.9	
05:29:44		111.224	66.6	
05:34:32		109.773	69.7	
05:39:20		111.256	71.7	
05:44:08		91.372	72.9	
05:48:56		89.212	73.4	
05:53:44		88.767	73.4	
05:58:32			73.2	
06:03:20		106.391	73.4	
06:08:08		122.981	74.1	
06:12:56		122.496	75.1	
06:17:44		137.917	76.1	
06:22:32		137.264	77.3	
06:27:20		152.738	78.2	
06:32:08			79.1	
06:36:56		167.453	79.9	
06:41:44		182.750	80.8	
06:46:32		228.195	81.7	
06:51:20		320.636	82.8	
06:56:08		460.889	84.9	
07:00:56		554.165	88.1	
07:05:44			91.2	
07:10:32		832.051	94.1	
07:15:20		1037.412	97.4	
07:20:08		1155.836	100.9	
07:24:56		1270.230	104.0	

PRESSURE VS TIME

GRC gauge no.: 73016
Memory Recorder No.: 70700

Gauge Depth: 6277.09 ft

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

30-AUG-90		Data Print Frequency: 20		
07:29:44		1384.756	107.0	
07:34:32		1523.024	110.1	
07:39:20			113.5	
07:44:08		1810.892	116.9	
07:48:56		1949.347	119.5	
07:53:58		2118.510	122.5	
07:58:46		2163.599	126.7	
08:03:34		2254.298	130.3	
08:08:22		2382.804	133.0	
08:13:10		2509.881	135.1	
08:17:58			138.2	
08:22:46		2707.326	141.2	
08:27:34		2843.228	143.9	
08:32:22		3002.544	146.8	
08:37:10		3091.941	149.1	
08:41:58		3158.462	151.7	
08:46:46		3232.142	154.5	
08:51:34			157.1	
08:56:22		3230.737	158.4	
09:01:10		3227.748	159.1	
09:05:58		3210.197	159.5	
09:10:46		3227.287	159.8	
09:15:34		3227.860	160.0	
09:20:22		3225.899	160.1	
09:25:10			160.3	
09:29:58		3224.618	160.4	
09:34:46		3223.855	160.5	
09:39:34		3223.284	160.7	
09:44:22		3248.584	160.8	
09:49:10		3230.008	161.0	
09:53:58		3228.779	161.1	
09:58:46			161.3	
10:03:34		3227.561	161.4	
10:08:22		3239.751	161.5	
10:13:10		3229.863	161.6	
10:17:58		237.106	161.6	
10:22:46		3253.294	162.2	
10:27:34		3231.487	162.0	
10:32:22			162.6	
10:37:10		3229.926	162.4	
10:41:58		3223.892	162.2	
10:46:46		3222.302	162.1	
10:51:34		3172.880	162.1	
10:56:22		3109.525	161.9	
11:01:10		2976.294	161.3	
11:05:58			160.5	

PRESSURE VS TIME

GRC gauge no.: 73016

Gauge Depth: 6277.09 ft

Memory Recorder No.: 70700

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

30-AUG-90		Data Print Frequency: 20		
11:10:46		2954.345	159.6	
11:15:34		2875.559	158.5	
11:20:22		2865.343	157.5	
11:25:10		2808.075	156.6	
11:29:58		2728.443	155.7	
11:34:46		2645.582	154.6	
11:39:34			153.5	
11:44:22		2590.389	152.2	
11:49:10		2493.068	151.0	
11:53:58		2418.176	149.8	
11:58:46		2414.040	148.6	
12:03:34		2375.280	147.7	
12:08:22		2313.561	146.9	
12:13:10			145.7	
12:17:58		2117.840	144.3	
12:22:46		2130.926	142.6	
12:27:34		2022.437	140.9	
12:32:22		1919.765	139.1	
12:37:10		1914.328	137.2	
12:41:58		1819.383	135.4	
12:46:46			133.4	
12:51:34		1682.525	131.3	
12:56:22		1571.018	129.1	
13:01:10		1468.705	127.2	
13:05:58		1429.269	125.3	
13:10:46		1321.003	123.1	
13:15:34		1228.269	120.6	
13:20:22			118.3	
13:25:10		1090.169	115.9	
13:29:58		968.959	113.6	
13:34:46		929.393	111.4	
13:39:34		815.272	109.1	
13:44:22		742.545	106.7	
13:49:10		698.899	104.0	
13:53:58			101.0	
13:58:46		528.808	98.1	
14:03:34		418.082	95.3	
14:08:22		391.524	92.4	
14:13:10		391.170	90.2	
14:17:58		390.977	88.8	
14:22:46		390.577	88.0	
14:27:34			87.4	
14:32:22		390.040	86.9	
14:37:10		389.856	86.6	
14:41:58		389.627	86.3	
14:46:46		389.274	86.1	

Date: 31-8-90

Ticket No: 359406

Page No: 4.1.4

PRESSURE VS TIME

GRC gauge no.: 73016
Memory Recorder No.: 70700

Gauge Depth: 6277.09 ft

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

30-AUG-90		Data Print	Frequency: 20	
14:51:49		388.926	85.9	
14:56:37		388.793	85.8	
15:01:25		379.622	85.6	
15:06:13			85.5	
15:11:01		239.384	85.0	
15:15:49		219.808	84.2	
15:20:37		188.248	83.5	
15:25:25		164.990	82.8	
15:30:13		146.809	81.9	
15:35:01		117.518	81.2	
15:39:49			80.6	
15:44:37		117.000	80.2	
15:49:25		115.734	79.9	
15:54:13		114.535	79.7	
15:59:01		113.348	79.6	
16:03:49		112.232	79.5	
16:08:37		111.134	79.4	
16:13:25			79.4	
16:18:13		124.373	79.4	
16:23:01		123.876	79.3	
16:27:49		106.499	79.3	
16:32:37		106.554	79.3	
16:37:25		106.149	79.2	
16:42:13		65.374	79.1	
16:47:01			78.6	
16:51:49		63.667	77.9	
16:56:37		7.641	77.4	
17:01:25		7.866	76.8	
17:06:13		7.859	76.5	
17:11:01		7.995	76.1	
17:15:49		7.937	75.8	
17:20:37			75.2	
17:25:25		-7.013	73.1	
17:30:13		10.203	64.3	
17:35:01		10.364	60.8	
17:39:49		10.965	58.6	
17:44:37		11.185	56.9	
17:49:25		11.168	55.6	
17:54:13			54.4	
17:59:01		11.153	53.3	
18:03:49		11.185	52.3	
18:08:37		11.231	51.3	
18:13:25		11.224	50.5	
18:18:13		11.185	49.8	
18:23:01		11.191	49.1	
18:27:49			48.8	

PRESSURE VS TIME

GRC gauge no.: 73016

Gauge Depth: 6277.09 ft

Memory Recorder No.: 70700

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

30-AUG-90				Data Print Frequency: 20
18:32:37		11.007	48.9	
18:37:25		10.993	49.1	
18:42:13		10.965	49.2	
18:47:01		10.869	49.4	
18:51:49		10.801	49.4	
18:56:37		10.728	49.4	
19:01:25			49.4	
19:06:13		10.568	49.3	
19:11:01		10.529	49.3	
19:15:49		10.524	49.3	
19:20:37		10.525	49.2	
19:25:25		10.579	49.2	
19:30:13		10.562	49.1	
19:35:01			49.1	
19:39:49		10.521	49.1	
19:44:37		10.511	49.0	
19:49:25		10.432	48.9	
19:54:13		10.423	48.8	
19:59:01		10.463	48.7	
20:03:49		10.425	48.6	
20:08:37			48.4	
20:13:25		10.451	48.3	
20:18:13		10.471	48.2	
20:23:01		10.519	48.1	
20:27:49		10.509	48.0	
20:32:37		10.532	47.9	
20:37:25		10.545	47.8	
20:42:13			47.7	
20:47:01		10.548	47.7	
20:51:49		10.560	47.6	
20:56:37		10.544	47.5	
21:01:25		10.608	47.4	
21:06:13		10.659	47.3	
21:11:01		10.667	47.2	
21:15:49			47.2	
21:20:37		10.692	47.1	
21:25:39		10.669	47.1	
21:30:27		10.703	47.0	
21:35:15		10.719	46.9	
21:40:03		10.754	46.9	
21:44:51		10.749	46.8	
21:49:39		10.760	46.8	
21:54:27			46.8	
21:59:15		10.789	46.8	
22:04:03		10.801	46.8	
22:08:51		10.794	46.8	

PRESSURE VS TIME

GRC gauge no.: 73016

Gauge Depth: 6277.09 ft

Memory Recorder No.: 70700

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

30-AUG-90				Data Print Frequency: 20
22:13:39		10.740	46.7	
22:18:27		10.825	46.6	
22:23:15		10.782	46.5	
22:28:03			46.5	
22:32:51		10.829	46.4	
22:37:39		10.846	46.4	
22:42:27		10.837	46.4	
22:47:15		10.852	46.4	
22:52:03		10.816	46.3	
22:56:51		10.787	46.3	
23:01:39			46.1	
23:06:27		10.809	45.9	
23:11:15		10.938	45.6	
23:16:03		10.959	45.5	
23:20:51		9.986	45.8	
23:25:39		8.682	46.4	
23:30:27		8.589	46.8	
23:35:15			49.4	
23:40:03		59.931	52.4	
23:44:51		106.982	55.7	
23:49:39		153.199	59.4	
23:54:42		198.039	63.4	
23:59:30		243.315	66.8	
31-AUG-90				
00:04:18		242.084	69.8	
00:09:06		287.838	71.7	
00:13:54			73.4	
00:18:42		331.521	75.4	
00:23:30		374.771	76.6	
00:28:18		364.717	78.2	
00:33:06		362.034	79.4	
00:37:54		361.010	80.2	
00:42:42		360.363	80.7	
00:47:30			81.0	
00:52:18		359.399	81.3	
00:57:06		359.140	81.5	
01:00:00				START OF DST #3
01:00:00				SURFACE PRESSURE = PSIG
01:00:00				MAKE UP TOOLS
01:01:54		358.906	81.7	
01:06:42		358.560	81.9	
01:11:30		358.202	82.0	
01:16:18		358.019	82.1	
01:21:06			82.3	
01:25:54		357.279	82.4	
01:30:42		356.771	82.5	

PRESSURE VS TIME

GRC gauge no.: 73016

Gauge Depth: 6277.09 ft

Memory Recorder No.: 70700

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

31-AUG-90		Data Print Frequency: 20		
01:35:30		356.020	82.6	
01:40:18		355.196	82.7	
01:45:06		354.369	82.8	
01:49:54		353.571	82.8	
01:54:42			82.9	
01:59:30		351.910	83.0	
02:04:18		350.968	83.0	
02:09:06		350.217	83.1	
02:13:54		349.440	83.2	
02:18:42		348.698	83.2	
02:23:30		347.920	83.3	
02:28:18			83.3	
02:33:06		346.423	83.4	
02:37:54		345.667	83.4	
02:42:42		344.955	83.5	
02:47:30		344.193	83.5	
02:52:18		362.034	83.6	
02:57:06		361.231	83.6	
03:01:54			83.6	
03:06:42		359.627	83.7	
03:11:30		358.815	83.7	
03:16:18		365.553	83.7	
03:21:06		418.313	83.8	
03:25:54		516.667	84.0	
03:30:42		608.815	84.8	
03:35:30			86.4	
03:40:18		673.850	88.2	
03:44:00				START GRC-EMR710 GAUGE #71678
03:45:06		790.851	89.0	
03:49:54		893.314	90.2	
03:50:00				RUN IN HOLE
03:54:42		973.788	92.0	
03:59:30		1094.836	94.1	
04:04:18		1110.534	96.7	
04:09:06			99.0	
04:13:54		1205.942	99.6	
04:18:42		1337.349	100.8	
04:23:30		1427.440	102.9	
04:28:18		1526.402	105.0	
04:33:06		1577.247	108.2	
04:37:54		1621.846	111.5	
04:42:42			113.1	
04:47:30		1832.262	114.3	
04:52:18		1903.426	116.5	
04:57:06		1996.980	119.4	
05:01:54		2039.182	123.0	

PRESSURE VS TIME

GRC gauge no.: 73016
Memory Recorder No.: 70700

Gauge Depth: 6277.09 ft

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

31-AUG-90		Data Print Frequency: 20		
05:06:42		2100.824	126.7	
05:11:30		2200.632	127.5	
05:16:18			129.5	
05:21:06		2386.553	131.8	
05:25:54		2494.371	134.2	
05:30:42		2502.322	137.1	
05:35:30		2495.605	140.4	
05:40:18		2597.588	141.9	
05:45:06		2688.758	143.2	
05:49:54			145.1	
05:54:42		2947.992	147.7	
05:59:30		2961.935	150.1	
06:04:18		2953.154	152.8	
06:09:06		3056.009	154.2	
06:13:54		3146.391	155.9	
06:18:42		3235.294	157.9	
06:23:30			160.8	
06:28:18		3270.231	163.3	
06:33:06		3267.926	164.6	
06:37:54		3249.797	165.3	
06:42:42		3290.120	165.9	
06:47:30		3305.404	166.6	
06:52:18		3273.286	167.0	
06:57:06			167.3	
07:01:54		3239.476	167.4	
07:06:42		3207.043	167.3	
07:11:30		3248.851	167.3	
07:16:18		3258.337	167.3	
07:21:06		3240.816	167.4	
07:25:54		3267.399	167.5	
07:30:00				ROTATE 50rpm FOR 20min
07:30:42			167.5	
07:35:30		3243.584	167.6	
07:40:18		3257.048	167.7	
07:45:06		3256.680	167.8	
07:49:54		3237.211	167.9	
07:54:42		3255.151	167.9	
07:59:30		3254.324	168.0	
08:00:00				MAKE UP SURFACE EQUIPMENT
08:04:18			168.1	
08:08:00				I.HYDROSTACTIC DST#3
08:09:06		3238.393	168.1	
08:13:00				SET WEIGHT ON TOOL
08:13:54		3289.106	168.2	
08:16:00				TOOL OPEN - VERY WEAK BLOW

PRESSURE VS TIME

GRC gauge no.: 73016
Memory Recorder No.: 70700

Gauge Depth: 6277.09 ft

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS
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31-AUG-90

Data Print Frequency: 1
*** Start of Period 1 ***

08:16:32	0.00	71.341	168.1	
08:16:46	0.24	54.511	168.1	
08:17:01	0.48	58.978	168.1	
08:17:15	0.72	62.212	168.0	
08:17:30	0.96	63.320	168.0	
08:17:44	1.20		168.0	
08:17:58	1.44	66.399	168.0	
08:18:13	1.68	67.684	168.0	
08:18:27	1.92	69.004	168.0	
08:18:42	2.16	70.220	168.1	
08:18:56	2.40	71.334	168.1	
08:19:10	2.64	72.550	168.1	
08:19:25	2.88		168.1	
08:19:39	3.12	74.776	168.1	
08:19:54	3.36	75.819	168.1	
08:20:08	3.60	79.745	168.1	
08:20:22	3.84	80.857	168.2	
08:20:37	4.08	80.940	168.2	
08:20:51	4.32	79.238	168.2	
08:21:00				TOOL CLOSED
08:21:06	4.56		168.2	
08:21:20	4.80	77.271	168.2	
08:21:34	5.04	77.316	168.2	
08:21:49	5.28	76.366	168.2	
08:22:03	5.52	77.714	168.2	

*** End of Period 1 ***

PRESSURE VS TIME

GRC gauge no.: 73016

Gauge Depth: 6277.09 ft

Memory Recorder No.: 70700

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

31-AUG-90		Data Print Frequency: 4		
		*** Start of Period 2 ***		
08:22:18	0.24	80.333	168.3	
08:23:15	1.20	91.483	168.3	
08:24:13	2.16	105.544	168.3	
08:25:10	3.12	120.820	168.3	
08:26:08	4.08		168.3	
08:27:06	5.04	153.391	168.4	
08:28:03	6.00	170.857	168.4	
08:29:01	6.96	189.088	168.4	
08:29:58	7.92	208.228	168.4	
08:30:56	8.88	228.313	168.4	
08:31:54	9.84	249.444	168.4	
08:32:51	10.80		168.4	
08:33:49	11.76	295.435	168.4	
08:34:46	12.72	320.439	168.4	
08:35:44	13.68	346.883	168.4	
08:36:42	14.64	374.810	168.4	
08:37:39	15.60	404.365	168.4	
08:38:37	16.56	435.552	168.5	
08:39:34	17.52		168.5	
08:40:32	18.48	503.056	168.5	
08:41:30	19.44	539.247	168.5	
08:42:27	20.40	577.095	168.5	
08:43:25	21.36	616.362	168.5	
08:44:22	22.32	657.019	168.5	
08:45:20	23.28	698.932	168.5	
08:46:18	24.24		168.5	
08:47:15	25.20	785.570	168.5	
08:48:13	26.16	829.949	168.5	
08:49:10	27.12	874.643	168.5	
08:50:08	28.08	919.483	168.6	
08:51:06	29.04	964.185	168.6	
08:52:03	30.00	1008.611	168.6	
08:53:01	30.96		168.6	
08:53:58	31.92	1095.719	168.6	
08:54:56	32.88	1138.107	168.6	
08:55:54	33.84	1179.562	168.6	
08:56:51	34.80	1219.933	168.6	
08:57:49	35.76	1259.290	168.6	
08:58:46	36.72	1297.447	168.6	
08:59:44	37.68		168.6	
09:00:42	38.64	1370.212	168.6	
09:01:39	39.60	1404.775	168.7	
09:02:37	40.56	1438.191	168.7	
09:03:34	41.52	1470.419	168.7	
09:04:32	42.48	1501.492	168.7	

Date: 31-8-90

Ticket No: 359406

Page No: 4.1.11

PRESSURE VS TIME

GRC gauge no.: 73016
Memory Recorder No.: 70700

Gauge Depth: 6277.09 ft

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

31-AUG-90		Data Print Frequency:	4	
09:05:30	43.44	1531.404	168.7	
09:06:27	44.40		168.7	
09:07:25	45.36	1588.060	168.7	
09:08:22	46.32	1614.834	168.7	
09:09:20	47.28	1640.579	168.7	
09:10:18	48.24	1665.438	168.7	
09:11:15	49.20	1689.373	168.7	
09:12:13	50.16	1712.417	168.7	
09:13:10	51.12		168.7	
09:14:08	52.08	1756.109	168.7	
09:15:06	53.04	1776.719	168.7	
09:16:03	54.00	1796.655	168.8	
09:17:01	54.96	1815.875	168.8	
09:17:58	55.92	1834.453	168.8	
09:18:56	56.88	1852.375	168.8	
09:19:54	57.84		168.8	
09:20:51	58.80	1886.381	168.8	
09:21:00				TOOL OPEN - VERY WEAK BLOW
09:21:49	59.76	1907.348	168.8	
09:21:49	59.76	1907.348		
		*** End of Period 2 ***		

PRESSURE VS TIME

GRC gauge no.: 73016
Memory Recorder No.: 70700

Gauge Depth: 6277.09 ft

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

31-AUG-90		Data Print Frequency: 4		
		*** Start of Period 3 ***		
09:22:03	0.00	160.246	168.9	
09:23:01	0.96	110.842	169.0	
09:23:58	1.92	107.464	169.2	
09:24:56	2.88		169.3	
09:25:54	3.84	111.168	169.3	
09:26:51	4.80	115.298	169.3	
09:27:49	5.76	118.858	169.3	
09:28:46	6.72	119.779	169.3	
09:29:44	7.68	120.467	169.3	
09:30:42	8.64	121.802	169.3	
09:31:39	9.60		169.3	
09:32:37	10.56	123.163	169.3	
09:33:34	11.52	123.500	169.3	
09:34:32	12.48	124.043	169.3	
09:35:30	13.44	124.761	169.3	
09:36:27	14.40	125.242	169.3	
09:37:25	15.36	126.342	169.3	
09:38:22	16.32		169.3	
09:39:20	17.28	128.034	169.3	
09:40:18	18.24	129.002	169.3	
09:41:15	19.20	128.486	169.3	
09:42:13	20.16	129.174	169.3	
09:43:10	21.12	129.586	169.3	
09:44:08	22.08	131.133	169.3	
09:45:06	23.04		169.3	
09:46:00				TOOL OPEN - VERY WEAK BLOW
09:46:03	24.00	131.897	169.3	
09:47:01	24.96	132.452	169.3	
09:47:58	25.92	133.174	169.3	
09:48:56	26.88	133.694	169.3	
09:49:54	27.84	134.491	169.3	
09:50:51	28.80	134.567	169.3	
09:51:49	29.76		169.3	
09:52:46	30.72	135.915	169.3	
09:53:44	31.68	136.502	169.3	
09:54:42	32.64	137.127	169.3	
09:55:39	33.60	137.478	169.3	
09:56:37	34.56	137.932	169.3	
09:57:34	35.52	138.794	169.3	
09:58:32	36.48		169.3	
09:59:30	37.44	139.764	169.3	
10:00:00				CLOSE MANIFOLD -VERY WEAK BLOW
10:00:27	38.40	140.629	169.3	
10:01:25	39.36	140.526	169.3	
10:02:22	40.32	141.255	169.4	

PRESSURE VS TIME

GRC gauge no.: 73016
Memory Recorder No.: 70700

Gauge Depth: 6277.09 ft

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

31-AUG-90		Data Print Frequency: 4		
10:03:20	41.28	141.819	169.4	
10:04:18	42.24	142.407	169.4	
10:05:15	43.20		169.4	
10:06:13	44.16	143.481	169.4	
10:07:10	45.12	143.625	169.4	
10:08:08	46.08	144.423	169.4	
10:09:06	47.04	144.702	169.4	
10:10:03	48.00	145.046	169.4	
10:11:01	48.96	145.705	169.4	
10:11:58	49.92		169.4	
10:12:56	50.88	146.682	169.4	
10:13:54	51.84	147.203	169.4	
10:14:51	52.80	147.788	169.4	
10:15:00				CLOSED MANIFOLD-VERY WEAK BLOW
10:15:49	53.76	147.757	169.4	
10:16:46	54.72	148.418	169.4	
10:17:44	55.68	148.906	169.4	
10:18:42	56.64		169.4	
10:19:39	57.60	149.952	169.5	
10:20:37	58.56	149.923	169.5	
10:21:34	59.52	150.646	169.5	
10:22:32	60.48	151.131	169.5	
10:23:30	61.44	151.344	169.5	
10:24:27	62.40	152.241	169.5	
10:25:25	63.36		169.5	
10:26:22	64.32	152.599	169.5	
10:27:20	65.28	153.297	169.5	
10:28:18	66.24	153.504	169.5	
10:29:15	67.20	154.157	169.5	
10:30:00				CLOSED MANIFOLD-VERY WEAK BLOW
10:30:13	68.16	154.570	169.5	
10:31:10	69.12	154.719	169.5	
10:32:08	70.08		169.5	
10:33:06	71.04	155.799	169.5	
10:34:03	72.00	156.145	169.5	
10:35:01	72.96	156.703	169.5	
10:35:58	73.92	156.981	169.5	
10:36:56	74.88	157.360	169.5	
10:37:54	75.84	157.847	169.5	
10:38:51	76.80		169.5	
10:39:49	77.76	158.652	169.6	
10:40:46	78.72	158.866	169.6	
10:41:44	79.68	159.217	169.6	
10:42:42	80.64	160.046	169.6	
10:43:39	81.60	159.978	169.6	
10:44:37	82.56	160.459	169.6	

Date: 31-8-90

Ticket No: 359406

Page No: 4.1.14

PRESSURE VS TIME

GRC gauge no.: 73016
Memory Recorder No.: 70700

Gauge Depth: 6277.09 ft

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

31-AUG-90				
10:45:00				
10:45:34	83.52		169.6	
10:46:32	84.48	161.300	169.6	
10:47:30	85.44	161.826	169.6	
10:48:27	86.40	162.170	169.6	
10:49:25	87.36	162.277	169.6	
10:50:22	88.32	163.076	169.6	
10:51:20	89.28	163.215	169.6	
10:52:18	90.24		169.6	
10:53:15	91.20	164.220	169.6	
10:54:13	92.16	164.432	169.6	
10:55:10	93.12	164.742	169.6	
10:56:08	94.08	164.883	169.6	
10:57:06	95.04	165.372	169.6	
10:58:03	96.00	165.930	169.6	
10:59:01	96.96		169.7	
10:59:58	97.92	166.494	169.7	
11:00:00				CLOSED MANIFOLD-VERY WEAK BLOW
11:00:56	98.88	167.050	169.7	
11:01:54	99.84	166.913	169.7	
11:02:51	100.80	167.705	169.7	
11:03:49	101.76	167.877	169.7	
11:04:46	102.72	167.848	169.7	
11:05:44	103.68		169.7	
11:06:42	104.64	168.963	169.7	
11:07:39	105.60	169.211	169.7	
11:08:37	106.56	169.838	169.7	
11:09:34	107.52	170.048	169.7	
11:10:32	108.48	170.599	169.7	
11:11:30	109.44	170.707	169.7	
11:12:27	110.40		169.7	
11:13:25	111.36	171.685	169.7	
11:14:22	112.32	171.759	169.7	
11:15:00				CLOSED MANIFOLD-VERY WEAK BLOW
11:15:20	113.28	171.931	169.7	
11:16:18	114.24	172.624	169.7	
11:17:15	115.20	172.631	169.7	
11:18:13	116.16	173.218	169.7	
11:19:10	117.12		169.7	
11:20:08	118.08	173.638	169.7	
11:21:06	119.04	174.368	169.8	
11:22:00				TOOL CLOSED
11:22:03	120.00	174.444	169.8	
11:22:18	120.24	174.618		

*** End of Period 3 ***

PRESSURE VS TIME

GRC gauge no.: 73016
Memory Recorder No.: 70700

Gauge Depth: 6277.09 ft

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

31-AUG-90				Data Print Frequency: 4
				*** Start of Period 4 ***
11:22:32	0.24		169.8	
11:23:30	1.20	179.131	169.8	
11:24:27	2.16	183.024	169.8	
11:25:25	3.12	187.158	169.8	
11:26:22	4.08	191.293	169.8	
11:27:20	5.04	195.428	169.8	
11:28:18	6.00	199.633	169.8	
11:29:15	6.96		169.8	
11:30:13	7.92	208.121	169.8	
11:31:10	8.88	212.471	169.8	
11:32:08	9.84	216.920	169.8	
11:33:06	10.80	221.370	169.8	
11:34:03	11.76	225.925	169.8	
11:35:01	12.72	230.519	169.8	
11:35:58	13.68		169.8	
11:36:56	14.64	239.984	169.8	
11:37:54	15.60	244.784	169.8	
11:38:51	16.56	249.695	169.8	
11:39:49	17.52	254.672	169.8	
11:40:46	18.48	259.750	169.8	
11:41:44	19.44	264.869	169.8	
11:42:42	20.40		169.8	
11:43:39	21.36	275.458	169.8	
11:43:54	21.60	276.808	169.8	
				*** End of Period 4 ***
11:44:51	22.56	282.240	169.8	
11:45:49	23.52	287.773	169.8	
11:46:46	24.48	293.410	169.8	
11:47:44	25.44		169.8	
11:48:42	26.40	304.974	169.8	
11:49:39	27.36	310.897	169.8	
11:50:37	28.32	316.955	169.8	
11:51:34	29.28	323.119	169.8	
11:52:32	30.24	329.388	169.8	
11:53:30	31.20	335.772	169.9	
11:54:27	32.16		169.9	
11:55:25	33.12	348.885	169.9	
11:56:22	34.08	355.611	169.9	
11:57:20	35.04	362.477	169.9	
11:58:18	36.00	369.449	169.9	
11:59:15	36.96	376.527	169.9	
12:00:13	37.92	383.785	169.9	
12:01:10	38.88		169.9	
12:02:08	39.84	398.624	169.9	
12:03:06	40.80	406.270	169.9	
12:04:03	41.76	414.018	169.9	

Date: 31-8-90

Ticket No: 359406

Page No: 4.1.16

PRESSURE VS TIME

GRC gauge no.: 73016
Memory Recorder No.: 70700

Gauge Depth: 6277.09 ft

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

31-AUG-90		Data Print Frequency:	4	
12:05:01	42.72	421.907	169.9	
12:05:58	43.68	429.937	169.9	
12:06:56	44.64	438.115	169.9	
12:07:54	45.60		169.9	
12:08:51	46.56	454.890	169.9	
12:09:49	47.52	463.490	169.9	
12:10:46	48.48	472.236	169.9	
12:11:44	49.44	481.124	169.9	
12:12:42	50.40	490.190	169.9	
12:13:39	51.36	499.358	169.9	
12:14:37	52.32		169.9	
12:15:34	53.28	518.154	169.9	
12:16:32	54.24	527.750	169.9	
12:17:30	55.20	537.530	169.9	
12:18:27	56.16	547.414	169.9	
12:19:25	57.12	557.509	169.9	
12:20:22	58.08	567.682	170.0	
12:21:20	59.04		170.0	
12:22:18	60.00	588.456	170.0	
12:23:15	60.96	599.058	170.0	
12:24:13	61.92	609.809	170.0	
12:25:10	62.88	620.630	170.0	
12:26:08	63.84	631.628	170.0	
12:27:06	64.80	642.706	170.0	
12:28:03	65.76		170.0	
12:29:01	66.72	665.222	170.0	
12:29:58	67.68	676.661	170.0	
12:30:56	68.64	688.145	170.0	
12:31:54	69.60	699.771	170.0	
12:32:51	70.56	711.469	170.0	
12:33:49	71.52	723.277	170.0	
12:34:46	72.48		170.0	
12:35:44	73.44	747.022	170.0	
12:36:42	74.40	759.065	170.0	
12:37:39	75.36	771.077	170.0	
12:38:37	76.32	783.197	170.0	
12:39:34	77.28	795.319	170.0	
12:40:32	78.24	807.487	170.0	
12:41:30	79.20		170.0	
12:42:27	80.16	831.878	170.0	
12:43:25	81.12	844.097	170.0	
12:44:22	82.08	856.318	170.0	
12:45:20	83.04	868.547	170.1	
12:46:18	84.00	880.750	170.1	
12:47:15	84.96	892.953	170.1	
12:48:13	85.92		170.1	

PRESSURE VS TIME

GRC gauge no.: 73016

Gauge Depth: 6277.09 ft

Memory Recorder No.: 70700

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

31-AUG-90		Data Print Frequency: 4		
12:49:10	86.88	917.267	170.1	
12:50:08	87.84	929.380	170.1	
12:51:06	88.80	941.433	170.1	
12:52:03	89.76	953.382	170.1	
12:53:01	90.72	965.368	170.1	
12:53:58	91.68	977.218	170.1	
12:54:56	92.64		170.1	
12:55:54	93.60	1000.798	170.1	
12:56:51	94.56	1012.492	170.1	
12:57:49	95.52	1024.085	170.1	
12:58:46	96.48	1035.611	170.1	
12:59:44	97.44	1047.036	170.1	
13:00:42	98.40	1058.390	170.1	
13:01:39	99.36		170.1	
13:02:37	100.32	1080.722	170.1	
13:03:34	101.28	1091.772	170.1	
13:04:32	102.24	1102.715	170.1	
13:05:30	103.20	1113.520	170.1	
13:06:27	104.16	1124.222	170.1	
13:07:25	105.12	1134.826	170.1	
13:08:22	106.08		170.1	
13:09:20	107.04	1155.721	170.1	
13:10:18	108.00	1166.011	170.1	
13:11:15	108.96	1176.126	170.1	
13:12:13	109.92	1186.177	170.1	
13:13:10	110.88	1196.091	170.1	
13:14:08	111.84	1205.902	170.2	
13:15:06	112.80		170.2	
13:16:03	113.76	1225.169	170.2	
13:17:01	114.72	1234.590	170.2	
13:17:58	115.68	1243.942	170.2	
13:18:56	116.64	1253.122	170.2	
13:19:54	117.60	1262.272	170.2	
13:20:51	118.56	1271.240	170.2	
13:21:49	119.52		170.2	
13:22:00				PULL PACKERS FREE
13:22:46	120.48	1288.903	170.2	
13:23:44	121.44	1297.561	170.2	
13:24:42	122.40	1306.073	170.2	
13:25:39	123.36	1314.480	170.2	
13:26:37	124.32	1322.817	170.2	
13:27:34	125.28	1336.052	170.2	
13:28:32	126.24		170.2	
13:28:46	126.48	1344.527		

*** End of Period 4 ***
Data Print Frequency: 20

PRESSURE VS TIME

GRC gauge no.: 73016
Memory Recorder No.: 70700

Gauge Depth: 6277.09 ft

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

31-AUG-90				Data Print Frequency: 20
13:29:01		1322.430	170.2	
13:33:49		3236.973	170.4	
13:36:00				F.HYDROSTATIC DST#3
13:38:00				END OF DST #3
13:38:37			170.3	
13:40:00				LAY OUT 8 STANDS OF DRILL PIPE
13:43:25		3228.595	170.3	
13:48:13		3202.504	170.2	
13:53:01		3089.185	169.8	
13:57:49		3090.542	168.9	
14:02:37		3060.408	167.8	
14:07:25		3054.457	166.8	
14:12:13			166.2	
14:17:01		3094.355	165.8	
14:21:49		3146.306	165.4	
14:26:37		3081.159	165.2	
14:28:00				START OF DST #4
14:28:00				START TO ROTATE
14:31:25		3102.947	165.1	
14:36:13		3103.067	164.9	
14:40:00				PICK UP 10ft PUP JOINT
14:41:01		3079.334	164.8	
14:45:49			164.8	
14:50:37		3102.352	164.7	
14:53:00				CHECK OVERPULL - PACKERS FREE
14:54:00				START TO ROTATE
14:55:25		3054.803	164.7	
15:00:13		3102.206	164.7	
15:05:01		3120.276	164.7	
15:09:49		3076.216	164.7	
15:14:37		3101.487	164.7	
15:19:00				I.HYDROSTATIC DST#4
15:19:25			164.7	
15:20:00				PULL SLIPS
15:22:00				SIT WEIGHT ON TOOL
15:22:00				PICK FREE POINT
15:24:00				HOOK UP CHICKSANS
15:24:13		3083.376	164.7	
15:28:00				SET WEIGHT ON TOOL
15:29:01		3074.178	164.7	
15:31:00				TOOL OPEN - STRONG BLOW

PRESSURE VS TIME

GRC gauge no.: 73016

Gauge Depth: 6277.09 ft

Memory Recorder No.: 70700

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

31-AUG-90		Data Print Frequency: 1		
		*** Start of Period 5 ***		
15:31:39	0.00	763.054	164.8	
15:31:54	0.24	800.930	164.8	
15:32:08	0.48	1029.168	164.8	
15:32:22	0.72	1008.814	164.8	
15:32:37	0.96	970.617	164.9	
15:32:51	1.20		164.9	
15:33:06	1.44	907.867	164.0	
15:33:20	1.68	908.693	163.2	
15:33:34	1.92	908.670	162.3	
15:33:49	2.16	891.827	161.5	
15:34:00				TOOL OPEN - STRONG BLOW
15:34:03	2.40	889.256	160.6	
15:34:18	2.64	890.119	159.7	
15:34:32	2.88		158.9	
15:34:46	3.12	897.344	157.8	
15:35:00				TOOL OPEN - STRONG BLOW
15:35:01	3.36	898.228	156.7	
15:35:15	3.60	888.451	155.5	
15:35:30	3.84	898.972	154.4	
15:35:44	4.08	902.660	153.3	
15:35:58	4.32	908.157	152.2	
15:36:00				TOOL OPEN - STRONG BLOW
		*** End of Period 5 ***		

PRESSURE VS TIME

GRC gauge no.: 73016
Memory Recorder No.: 70700

Gauge Depth: 6277.09 ft

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

31-AUG-90				Data Print Frequency: 4
				*** Start of Period 6 ***
15:36:13	0.24		151.1	
15:37:00				CLOSE TOOL
15:37:10	1.20	2193.744	150.8	
15:38:08	2.16	2464.413	151.1	
15:39:06	3.12	2516.392	152.9	
15:40:03	4.08	2548.600	154.2	
15:41:01	5.04	2573.956	155.0	
15:41:58	6.00	2594.759	155.5	
15:42:56	6.96		155.8	
15:43:54	7.92	2624.990	155.9	
15:44:51	8.88	2636.257	156.0	
15:45:49	9.84	2645.639	156.0	
15:46:46	10.80	2653.513	156.0	
15:47:44	11.76	2660.520	156.0	
15:48:42	12.72	2666.602	156.1	
15:49:39	13.68		156.1	
15:50:37	14.64	2677.027	156.2	
15:51:34	15.60	2681.667	156.3	
15:52:32	16.56	2685.745	156.4	
15:53:30	17.52	2689.754	156.5	
15:54:27	18.48	2693.051	156.6	
15:55:25	19.44	2696.087	156.7	
15:56:22	20.40		156.8	
15:57:20	21.36	2701.660	156.9	
15:58:18	22.32	2704.161	157.0	
15:59:15	23.28	2706.411	157.1	
16:00:13	24.24	2708.317	157.2	
16:01:10	25.20	2710.259	157.3	
16:02:08	26.16	2711.960	157.4	
16:03:06	27.12		157.5	
16:04:03	28.08	2715.019	157.6	
16:05:01	29.04	2716.571	157.7	
16:05:58	30.00	2718.085	157.8	
16:06:56	30.96	2719.069	157.9	
16:07:54	31.92	2719.939	158.0	
16:08:51	32.88	2721.108	158.1	
16:09:49	33.84		158.2	
16:10:46	34.80	2722.945	158.3	
16:11:44	35.76	2723.728	158.3	
16:12:42	36.72	2724.549	158.4	
16:13:39	37.68	2725.174	158.5	
16:14:37	38.64	2725.946	158.6	
16:15:34	39.60	2726.684	158.6	
16:16:32	40.56		158.7	
16:17:30	41.52	2727.810	158.8	

PRESSURE VS TIME

GRC gauge no.: 73016
Memory Recorder No.: 70700

Gauge Depth: 6277.09 ft

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

31-AUG-90		Data Print Frequency: 4		
16:18:27	42.48	2728.310	158.8	
16:19:25	43.44	2728.880	158.9	
16:20:22	44.40	2729.492	158.9	
16:21:20	45.36	2729.955	159.0	
16:22:18	46.32	2730.493	159.0	
16:23:15	47.28		159.1	
16:24:13	48.24	2731.300	159.2	
16:25:10	49.20	2731.607	159.2	
16:26:08	50.16	2732.032	159.3	
16:27:06	51.12	2732.419	159.3	
16:28:03	52.08	2732.693	159.4	
16:29:01	53.04	2733.024	159.4	
16:29:58	54.00		159.5	
16:30:56	54.96	2733.650	159.5	
16:31:54	55.92	2734.027	159.5	
16:32:51	56.88	2734.295	159.6	
16:33:49	57.84	2734.636	159.6	
16:34:46	58.80	2734.974	159.7	
16:34:46	58.80	2734.974		
		*** End of Period 6 ***		
		Data Print Frequency: 20		
16:35:01			159.7	

PRESSURE VS TIME

GRC gauge no.: 73016
Memory Recorder No.: 70700

Gauge Depth: 6277.09 ft

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

31-AUG-90		Data Print Frequency: 4		
		*** Start of Period 7 ***		
16:36:27	0.00	1276.820	156.6	
16:37:25	0.96	1068.217	147.7	
16:38:22	1.92		136.5	
16:39:20	2.88	988.942	133.0	
16:40:18	3.84	999.095	129.6	
16:41:15	4.80	1043.775	126.2	
16:42:13	5.76	1090.122	123.3	
16:43:10	6.72	1138.367	120.8	
16:44:08	7.68	1192.428	119.1	
16:45:06	8.64		117.7	
16:46:03	9.60	1297.313	117.6	
16:47:01	10.56	1349.789	117.9	
16:47:58	11.52	1931.898	119.4	
16:48:56	12.48	2277.247	120.5	
16:49:00				TOOL OPEN - Co2 TO SURFACE
16:49:54	13.44	1455.742	121.4	
16:50:51	14.40	1527.338	122.3	
16:51:49	15.36		123.2	
16:52:46	16.32	1589.990	125.5	
16:53:44	17.28	1593.321	127.5	
16:54:00				TOOL OPEN - Co2 TO SURFACE
16:54:42	18.24	1601.560	129.0	
16:55:39	19.20	1608.705	130.2	
16:56:37	20.16	1618.304	131.3	
16:57:34	21.12	1627.817	132.3	
16:58:32	22.08		133.3	
16:59:30	23.04	1639.026	134.1	
17:00:27	24.00	1620.695	134.8	
17:01:25	24.96	1622.010	135.3	
17:02:00				TOOL OPEN - Co2 TO SURFACE
17:02:22	25.92	1624.518	135.8	
17:03:20	26.88	1627.085	136.3	
17:04:18	27.84	1628.772	136.8	
17:05:15	28.80		137.3	
17:06:13	29.76	1634.322	137.7	
17:07:00				TOOL OPEN - Co2 TO SURFACE
17:07:10	30.72	1638.114	138.1	
17:08:08	31.68	1638.333	138.4	
17:09:06	32.64	1639.845	138.7	
17:10:03	33.60	1641.302	139.0	
17:11:01	34.56	1642.153	139.3	
17:11:58	35.52		139.6	
17:12:56	36.48	1644.446	139.8	
17:13:54	37.44	1645.527	140.1	
17:14:51	38.40	1645.610	140.3	

PRESSURE VS TIME

GRC gauge no.: 73016

Gauge Depth: 6277.09 ft

Memory Recorder No.: 70700

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

31-AUG-90		Data Print Frequency:	4	
17:15:49	39.36	1645.495	140.5	
17:16:46	40.32	1646.020	140.7	
17:17:44	41.28	1645.192	140.9	
17:18:42	42.24		141.1	
17:19:39	43.20	1648.632	141.2	
17:20:37	44.16	1648.265	141.4	
17:21:34	45.12	1648.578	141.6	
17:22:32	46.08	1649.649	141.7	
17:23:30	47.04	1650.679	141.9	
17:24:27	48.00	1652.141	142.0	
17:25:25	48.96		142.1	
17:26:00				TOOL OPEN - Co2 TO SURFACE
17:26:22	49.92	1652.291	142.3	
17:27:20	50.88	1652.292	142.4	
17:28:18	51.84	1654.367	142.5	
17:29:15	52.80	1657.503	142.6	
17:30:13	53.76	1655.973	142.8	
17:31:10	54.72	1654.310	142.9	
17:32:08	55.68		143.0	
17:33:00				TOOL OPEN - Co2 TO SURFACE
17:33:06	56.64	1655.267	143.1	
17:34:03	57.60	1653.992	143.2	
17:35:01	58.56	1654.358	143.2	
17:35:58	59.52	1653.520	143.3	
17:36:56	60.48	1652.756	143.4	
17:37:54	61.44	1653.445	143.5	
17:38:51	62.40		143.6	
17:39:49	63.36	1653.131	143.7	
17:40:46	64.32	1651.583	143.7	
17:41:44	65.28	1651.529	143.8	
17:42:00				TOOL OPEN - Co2 TO SURFACE
17:42:42	66.24	1650.746	143.9	
17:43:39	67.20	1650.838	143.9	
17:44:37	68.16	1648.797	144.0	
17:45:34	69.12		144.0	
17:46:32	70.08	1648.944	144.0	
17:47:30	71.04	1648.222	144.1	
17:48:27	72.00	1646.770	144.2	
17:49:25	72.96	1645.750	144.2	
17:50:22	73.92	1646.146	144.2	
17:51:20	74.88	1645.776	144.3	
17:52:18	75.84		144.3	
17:53:15	76.80	1643.753	144.3	
17:54:13	77.76	1642.867	144.4	
17:55:10	78.72	1642.454	144.4	
17:56:08	79.68	1642.257	144.4	

PRESSURE VS TIME

GRC gauge no.: 73016
Memory Recorder No.: 70700

Gauge Depth: 6277.09 ft

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

31-AUG-90		Data Print Frequency: 4		
17:57:06	80.64	1640.818	144.4	
17:58:03	81.60	1640.518	144.5	
17:59:01	82.56		144.5	
17:59:58	83.52	1639.875	144.5	
18:00:00				TOOL OPEN - Co2 TO SURFACE
18:00:56	84.48	1639.275	144.6	
18:01:54	85.44	1638.826	144.6	
18:02:51	86.40	1638.334	144.6	
18:03:49	87.36	1636.124	144.6	
18:04:46	88.32	1636.797	144.6	
18:05:44	89.28		144.7	
18:06:42	90.24	1635.145	144.7	
18:07:39	91.20	1634.138	144.7	
18:08:37	92.16	1635.699	144.7	
18:09:34	93.12	1632.809	144.8	
18:10:32	94.08	1634.212	144.8	
18:11:30	95.04	1631.957	144.8	
18:12:27	96.00		144.8	
18:13:25	96.96	1632.668	144.8	
18:14:22	97.92	1632.069	144.8	
18:15:20	98.88	1631.365	144.9	
18:16:18	99.84	1631.566	144.9	
18:17:15	100.80	1629.502	144.9	
18:18:13	101.76	1630.024	144.9	
18:19:10	102.72		144.9	
18:20:08	103.68	1628.634	144.9	
18:21:06	104.64	1628.832	145.0	
18:22:03	105.60	1628.656	145.0	
18:23:01	106.56	1628.374	145.0	
18:23:58	107.52	1626.820	145.0	
18:24:56	108.48	1626.873	145.0	
18:25:54	109.44		145.0	
18:26:51	110.40	1625.957	145.1	
18:27:49	111.36	1625.241	145.1	
18:28:46	112.32	1624.998	145.1	
18:29:44	113.28	1623.806	145.1	
18:30:00				TOOL OPEN - Co2 TO SURFACE
18:30:42	114.24	1623.229	145.1	
18:31:39	115.20	1622.793	145.1	
18:32:37	116.16		145.1	
18:33:34	117.12	1620.329	145.1	
18:34:32	118.08	1619.393	145.1	
18:35:30	119.04	1619.472	145.1	
18:36:27	120.00	1618.413	145.1	
18:37:25	120.96	1616.179	145.1	
18:38:22	121.92	1615.671	145.1	

PRESSURE VS TIME

GRC gauge no.: 73016

Gauge Depth: 6277.09 ft

Memory Recorder No.: 70700

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS
31-AUG-90				Data Print Frequency: 4
18:39:20	122.88		145.1	
18:40:18	123.84	1613.996	145.1	
18:41:15	124.80	1613.991	145.1	
18:42:27	126.00	1613.154	145.1	
18:43:25	126.96	1611.702	145.1	
18:44:22	127.92		145.1	
18:45:20	128.88	1611.229	145.1	
18:46:18	129.84	1609.986	145.1	
18:47:15	130.80	1609.695	145.1	
18:48:13	131.76	1608.567	145.1	
18:49:10	132.72	1608.894	145.1	
18:50:08	133.68	1608.130	145.1	
18:51:06	134.64		145.1	
18:52:03	135.60	1607.425	145.1	
18:53:01	136.56	1605.232	145.1	
18:53:58	137.52	1606.834	145.1	
18:54:56	138.48	1605.815	145.1	
18:55:54	139.44	1605.778	145.1	
18:56:51	140.40	1605.196	145.1	
18:57:49	141.36		145.1	
18:58:46	142.32	1604.517	145.1	
18:59:00				TOOL OPEN - Co2 TO SURFACE
18:59:44	143.28	1606.680	145.1	
19:00:42	144.24	1609.035	145.2	
19:01:39	145.20	1611.730	145.2	
19:02:37	146.16	1614.329	145.3	
19:03:34	147.12	1615.051	145.3	
19:04:32	148.08		145.3	
19:05:30	149.04	1614.088	145.4	
19:06:27	150.00	1616.050	145.4	
19:07:25	150.96	1617.362	145.4	
19:08:22	151.92	1617.032	145.5	
19:09:20	152.88	1617.463	145.5	
19:10:18	153.84	1615.992	145.5	
19:11:15	154.80		145.6	
19:12:13	155.76	1614.785	145.6	
19:13:10	156.72	1614.106	145.6	
19:14:08	157.68	1612.989	145.6	
19:15:00				TOOL OPEN - Co2 TO SURFACE
19:15:06	158.64	1611.985	145.6	
19:16:03	159.60	1612.041	145.7	
19:17:01	160.56	1613.156	145.7	
19:17:58	161.52		145.7	
19:18:56	162.48	1612.805	145.7	
19:19:54	163.44	1613.121	145.8	
19:20:51	164.40	1614.421	145.8	

Date: 31-8-90

Ticket No: 359406

Page No: 4.1.26

PRESSURE VS TIME

GRC gauge no.: 73016
Memory Recorder No.: 70700

Gauge Depth: 6277.09 ft

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

31-AUG-90				Data Print Frequency: 4
19:21:49	165.36	1611.854	145.8	
19:22:46	166.32	1612.558	145.8	
19:23:44	167.28	1611.401	145.8	
19:24:42	168.24		145.9	
19:25:39	169.20	1611.893	145.9	
19:26:37	170.16	1611.177	145.9	
19:27:34	171.12	1610.498	145.9	
19:28:32	172.08	1610.835	145.9	
19:29:30	173.04	1609.567	145.9	
19:30:00				TOOL OPEN - Co2 TO SURFACE
19:30:27	174.00	1609.141	145.9	
19:31:25	174.96		145.9	
19:32:22	175.92	1608.541	146.0	
19:33:20	176.88	1608.037	146.0	
19:34:18	177.84	1607.425	146.0	
19:35:15	178.80	1608.050	146.0	
19:36:13	179.76	1607.474	146.0	
19:37:10	180.72	1607.443	146.0	
19:38:08	181.68		146.0	
19:39:06	182.64	1607.978	146.0	
19:40:03	183.60	1608.539	146.0	
19:41:01	184.56	1607.417	146.0	
19:41:58	185.52	1605.309	146.0	
19:42:56	186.48	1604.836	146.0	
19:43:54	187.44	1605.414	146.0	
19:44:51	188.40		146.0	
19:45:00				TOOL OPEN - Co2 TO SURFACE
19:45:49	189.36	1603.157	146.0	
19:46:46	190.32	1605.094	146.0	
19:47:00				CLOSE TOOL
19:47:44	191.28	1605.944	146.1	
19:48:42	192.24	1603.945	146.1	
19:49:39	193.20	1603.065	146.1	
19:50:37	194.16	1601.562	146.0	
19:51:34	195.12		146.0	
19:52:32	196.08	1598.292	146.0	
19:53:01	196.56	1597.228		

*** End of Period 7 ***

PRESSURE VS TIME

GRC gauge no.: 73016

Gauge Depth: 6277.09 ft

Memory Recorder No.: 70700

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

31-AUG-90		Data Print Frequency: 4		
		*** Start of Period 8 ***		
19:53:15	0.24		146.0	
19:54:13	1.20	1983.483	146.7	
19:55:10	2.16	2037.444	147.4	
19:56:08	3.12	2099.310	148.4	
19:57:06	4.08	2155.309	149.1	
19:58:03	5.04	2204.491	149.6	
19:59:01	6.00	2246.844	150.0	
19:59:58	6.96		150.3	
20:00:56	7.92	2313.026	150.5	
20:01:54	8.88	2338.333	150.7	
20:02:51	9.84	2359.916	150.8	
20:03:49	10.80	2378.089	150.9	
20:04:46	11.76	2386.595	150.9	
20:05:44	12.72	2381.595	150.9	
20:06:42	13.68		150.9	
20:07:39	14.64	2361.961	150.9	
20:08:37	15.60	2354.936	150.9	
20:09:34	16.56	2350.613	150.8	
20:10:32	17.52	2348.237	150.8	
20:11:30	18.48	2347.434	150.8	
20:12:27	19.44	2347.529	150.8	
20:13:25	20.40		150.7	
20:14:22	21.36	2349.966	150.7	
20:15:20	22.32	2351.867	150.7	
20:16:18	23.28	2354.085	150.7	
20:17:15	24.24	2356.459	150.8	
20:18:13	25.20	2358.988	150.8	
20:19:10	26.16	2361.741	150.8	
20:20:08	27.12		150.8	
20:21:06	28.08	2367.074	150.9	
20:22:03	29.04	2369.762	150.9	
20:23:01	30.00	2372.367	151.0	
20:23:58	30.96	2375.250	151.0	
20:24:56	31.92	2377.922	151.1	
20:25:54	32.88	2380.515	151.1	
20:26:51	33.84		151.2	
20:27:49	34.80	2385.700	151.3	
20:28:46	35.76	2388.107	151.3	
20:29:44	36.72	2390.743	151.4	
20:30:42	37.68	2393.223	151.4	
20:31:39	38.64	2395.661	151.5	
20:32:37	39.60	2398.173	151.5	
20:33:34	40.56		151.6	
20:34:32	41.52	2402.762	151.7	
20:35:30	42.48	2405.096	151.7	

PRESSURE VS TIME

GRC gauge no.: 73016

Gauge Depth: 6277.09 ft

Memory Recorder No.: 70700

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

31-AUG-90		Data Print Frequency:	4	
20:36:27	43.44	2407.422	151.8	
20:37:25	44.40	2409.673	151.8	
20:38:22	45.36	2411.813	151.9	
20:39:20	46.32	2414.106	151.9	
20:40:18	47.28		152.0	
20:41:15	48.24	2418.316	152.0	
20:42:13	49.20	2420.417	152.1	
20:43:10	50.16	2422.513	152.1	
20:44:08	51.12	2424.538	152.2	
20:45:06	52.08	2426.603	152.2	
20:46:03	53.04	2428.598	152.3	
20:47:01	54.00		152.4	
20:47:58	54.96	2432.515	152.4	
20:48:56	55.92	2434.360	152.5	
20:49:54	56.88	2436.276	152.5	
20:50:51	57.84	2438.155	152.6	
20:51:49	58.80	2439.921	152.6	
20:52:46	59.76	2441.799	152.7	
20:53:44	60.72		152.7	
20:54:42	61.68	2445.401	152.8	
20:55:39	62.64	2447.088	152.8	
20:56:37	63.60	2448.817	152.9	
20:57:34	64.56	2450.618	152.9	
20:58:32	65.52	2452.229	153.0	
20:59:30	66.48	2453.957	153.0	
21:00:27	67.44		153.1	
21:01:25	68.40	2457.222	153.1	
21:02:22	69.36	2458.796	153.1	
21:03:20	70.32	2460.370	153.2	
21:04:18	71.28	2461.944	153.2	
21:05:15	72.24	2463.517	153.3	
21:06:13	73.20	2464.941	153.3	
21:07:10	74.16		153.4	
21:08:08	75.12	2467.977	153.4	
21:09:06	76.08	2469.440	153.5	
21:10:03	77.04	2470.907	153.5	
21:11:01	78.00	2472.369	153.6	
21:11:58	78.96	2473.825	153.6	
21:12:56	79.92	2475.135	153.6	
21:13:54	80.88		153.7	
21:14:51	81.84	2478.015	153.7	
21:15:49	82.80	2479.323	153.8	
21:16:46	83.76	2480.710	153.8	
21:17:44	84.72	2482.019	153.8	
21:18:42	85.68	2483.363	153.9	
21:19:39	86.64	2484.523	153.9	

PRESSURE VS TIME

GRC gauge no.: 73016

Gauge Depth: 6277.09 ft

Memory Recorder No.: 70700

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

31-AUG-90		Data Print Frequency:	4	
21:20:37	87.60		154.0	
21:21:34	88.56	2487.141	154.0	
21:22:32	89.52	2488.374	154.0	
21:23:30	90.48	2489.574	154.1	
21:24:27	91.44	2490.808	154.1	
21:25:25	92.40	2492.039	154.2	
21:26:22	93.36	2493.233	154.2	
21:27:20	94.32		154.2	
21:28:18	95.28	2495.696	154.3	
21:29:15	96.24	2496.852	154.3	
21:30:13	97.20	2497.971	154.3	
21:31:10	98.16	2499.165	154.4	
21:32:08	99.12	2500.209	154.4	
21:33:06	100.08	2501.403	154.4	
21:34:03	101.04		154.5	
21:35:01	102.00	2503.641	154.5	
21:35:58	102.96	2504.723	154.6	
21:36:56	103.92	2505.804	154.6	
21:37:54	104.88	2506.886	154.6	
21:38:51	105.84	2507.892	154.7	
21:39:49	106.80	2508.974	154.7	
21:40:46	107.76		154.7	
21:41:44	108.72	2511.132	154.8	
21:42:42	109.68	2512.059	154.8	
21:43:39	110.64	2513.103	154.8	
21:44:37	111.60	2514.072	154.9	
21:45:34	112.56	2515.041	154.9	
21:46:32	113.52	2516.010	154.9	
21:47:30	114.48		155.0	
21:48:27	115.44	2518.018	155.0	
21:49:25	116.40	2518.983	155.0	
21:50:22	117.36	2519.914	155.1	
21:51:20	118.32	2520.881	155.1	
21:52:18	119.28	2521.769	155.1	
21:53:15	120.24	2522.699	155.2	
21:54:13	121.20		155.2	
21:55:10	122.16	2524.519	155.2	
21:56:08	123.12	2525.445	155.3	
21:57:06	124.08	2526.296	155.3	
21:58:03	125.04	2527.184	155.3	
21:59:01	126.00	2528.073	155.4	
21:59:58	126.96	2528.924	155.4	
22:00:56	127.92		155.4	
22:01:54	128.88	2530.625	155.5	
22:02:51	129.84	2531.515	155.5	
22:03:49	130.80	2532.259	155.5	

PRESSURE VS TIME

GRC gauge no.: 73016
Memory Recorder No.: 70700

Gauge Depth: 6277.09 ft

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

31-AUG-90		Data Print Frequency:	4	
22:04:46	131.76	2533.113	155.6	
22:05:44	132.72	2534.002	155.6	
22:06:42	133.68	2534.815	155.6	
22:07:39	134.64		155.6	
22:08:37	135.60	2536.404	155.7	
22:09:34	136.56	2537.218	155.7	
22:10:32	137.52	2537.993	155.7	
22:11:30	138.48	2538.659	155.8	
22:12:27	139.44	2539.403	155.8	
22:13:25	140.40	2540.252	155.8	
22:14:22	141.36		155.8	
22:15:20	142.32	2541.766	155.9	
22:16:18	143.28	2542.546	155.9	
22:17:15	144.24	2543.247	155.9	
22:18:13	145.20	2543.979	156.0	
22:19:10	146.16	2544.781	156.0	
22:20:08	147.12	2545.446	156.0	
22:21:06	148.08		156.1	
22:22:03	149.04	2546.922	156.1	
22:23:01	150.00	2547.619	156.1	
22:23:58	150.96	2548.320	156.1	
22:24:56	151.92	2549.055	156.2	
22:25:54	152.88	2549.788	156.2	
22:26:51	153.84	2550.450	156.2	
22:27:49	154.80		156.2	
22:28:46	155.76	2551.814	156.3	
22:29:44	156.72	2552.477	156.3	
22:30:42	157.68	2553.178	156.3	
22:31:39	158.64	2553.841	156.3	
22:32:37	159.60	2554.542	156.4	
22:33:34	160.56	2555.163	156.4	
22:34:32	161.52		156.4	
22:35:30	162.48	2556.447	156.5	
22:36:27	163.44	2557.110	156.5	
22:37:25	164.40	2557.736	156.5	
22:38:22	165.36	2558.396	156.5	
22:39:20	166.32	2559.016	156.6	
22:40:18	167.28	2559.673	156.6	
22:41:15	168.24		156.6	
22:42:13	169.20	2560.876	156.6	
22:43:10	170.16	2561.459	156.6	
22:44:08	171.12	2562.085	156.7	
22:45:06	172.08	2562.708	156.7	
22:46:03	173.04	2563.290	156.7	
22:47:01	174.00	2563.910	156.7	
22:47:58	174.96		156.8	

PRESSURE VS TIME

GRC gauge no.: 73016

Gauge Depth: 6277.09 ft

Memory Recorder No.: 70700

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

31-AUG-90		Data Print Frequency: 4		
22:48:56	175.92	2565.113	156.8	
22:49:54	176.88	2565.544	156.8	
22:50:51	177.84	2564.771	156.8	
22:51:49	178.80	2571.605	156.9	
22:52:46	179.76	2568.836	156.9	
22:53:44	180.72	2567.832	156.9	
22:54:27	181.44	2568.330		
		*** End of Period 8 ***		
		Data Print Frequency: 20		
22:54:42			156.9	
22:55:00				PULL FREE - OPEN BYPASS
22:58:00				F.HYDROSTATIC DST#4
22:59:30		2877.740	158.5	
23:00:00				RIG UP SURFACE EQUIPMENT
23:04:18		3027.837	158.3	
23:09:06		3086.099	158.5	
23:12:00				REVERSE CIRCULATE
23:13:54		3189.782	158.8	
23:18:42		3370.326	159.3	
23:23:30		3249.976	159.5	
23:28:18			159.0	
23:33:06		3207.640	159.1	
23:37:54		3249.429	159.2	
23:42:42		3251.303	159.4	
23:47:30		3255.986	159.4	
23:52:18		3104.762	159.2	
23:57:06		3095.939	159.1	
1-SEP-90				
00:01:54			159.2	
00:06:42		3078.890	159.1	
00:11:30		3079.319	158.9	
00:16:18		3159.951	158.8	
00:21:06		3113.907	158.6	
00:25:54		3086.072	158.4	
00:30:00				PULL OUT OF HOLE
00:30:42		3077.440	158.3	
00:35:30			158.1	
00:40:18		2999.800	157.7	
00:45:06		2940.843	156.6	
00:49:54		2881.428	154.8	
00:54:42		2815.983	153.1	
00:59:30		2813.216	151.6	
01:04:18		2765.579	150.5	
01:09:06			149.6	
01:13:54		2636.904	148.8	
01:18:42		2537.582	147.8	

Date: 31-8-90

Ticket No: 359406

Page No: 4.1.32

PRESSURE VS TIME

GRC gauge no.: 73016

Gauge Depth: 6277.09 ft

Memory Recorder No.: 70700

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

1-SEP-90				Data Print Frequency: 20
01:23:30		2531.930	146.9	
01:28:18		2485.512	146.1	
01:33:06		2399.221	145.3	
01:37:54		2318.974	144.4	
01:42:42			143.5	
01:47:30		2298.058	142.6	
01:52:18		2294.871	141.9	
01:57:06		2309.395	141.4	
02:01:54		2306.985	141.1	
02:06:42		2222.025	140.8	
02:11:30		2176.237	140.2	
02:16:18			139.1	
02:21:06		1985.816	137.5	
02:25:54		1890.033	135.8	
02:30:42		1850.595	134.0	
02:35:30		1755.159	131.8	
02:40:18		1666.933	129.4	
02:45:06		1572.463	127.1	
02:49:54			125.1	
02:54:42		1440.212	123.3	
02:59:30		1387.056	121.2	
03:04:18		1298.297	118.9	
03:09:06		1205.496	116.6	
03:13:54		1123.457	114.3	
03:18:42		1071.233	112.1	
03:23:30			110.2	
03:28:18		929.611	108.4	
03:33:06		851.058	106.7	
03:37:54		789.712	104.9	
03:42:42		712.730	103.0	
03:47:30		625.291	101.1	
03:52:18		567.485	99.2	
03:57:06			97.3	
04:01:54		403.950	95.4	
04:06:42		341.993	93.4	
04:11:30		270.405	91.5	
04:16:18		272.757	89.7	
04:21:06		219.056	87.9	
04:25:54		218.244	86.4	
04:30:42			85.0	
04:35:30		187.301	83.7	
04:40:18		57.912	82.5	
04:45:06		105.996	77.2	
04:49:54		35.310	74.7	
04:54:42		59.820	72.9	
04:59:30		8.183	71.4	

Date: 31-8-90

Ticket No: 359406

Page No: 4.1.33

PRESSURE VS TIME

GRC gauge no.: 73016

Gauge Depth: 6277.09 ft

Memory Recorder No.: 70700

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS

1-SEP-90				
05:00:00				
05:04:18			70.6	TOOLS AT FLOOR
05:09:06		9.144	69.9	
05:13:54		9.078	69.4	
05:18:42		9.984	68.9	
05:23:30		9.562	68.1	
05:28:18		10.147	67.0	
05:33:06		11.944	65.8	
05:37:54			64.3	
05:42:42		13.107	61.5	
05:47:30		12.837	59.5	
05:52:18		12.713	57.9	
05:57:06		12.531	56.4	
06:01:54		12.406	55.2	
06:06:42		12.266	54.1	
06:11:30			53.1	
06:16:18		12.239	52.2	
06:21:06		12.179	51.4	
06:25:54		12.104	50.7	
06:30:42		12.023	50.0	
06:35:30		11.953	49.4	
06:40:18		11.987	48.7	
06:45:06			48.1	
06:49:54		11.915	47.6	
06:54:42		11.967	47.1	
06:59:30		11.943	46.8	
07:04:18		11.915	46.4	
07:09:06		12.008	46.1	
07:13:54		12.983	45.6	
07:18:42			45.1	
07:23:58		53.535	35.3	
07:25:00				TOOLS LAID OUT
07:30:13		8.092	47.4	
07:31:00				STOP GRC-EMR710 GAUGE #71678
07:31:25		13.686	47.4	

Σ # 150

Flow level DST # 3 & 4. Pine Lodge # 1.
BT # 8170 clock # 6783 48 HR.

Stopped to 8 (DST # 4)
From Area 5 - S

BT flow DST # 3 & 4. Pine Lodge # 1.
BT # 4483 clock # 26743 48 HR.

Top flow DST # 3 & 4. Pine Lodge # 1.
B.T. # 7984 clock # 13446 24 HR.