



APPENDIX. 16.

FORMATION. TESTING.

DST - 5 & 6.

PWE 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 #5 & #6

TEST DATE :02-09-90

TICKET NO. :359407

HALLIBURTON  
SERVICES

REPORT TICKET NO: 359407  
BT-GAUGE TICKET NO: 359407  
MEMORY GAUGE TICKET NO: 359407  
DATE: 2-9-90  
HALLIBURTON CAMP: ROMA  
TESTER: A.Hadwen  
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: 5-6 1032 1054  
TESTED INTERVAL: 3385.38 - 3474.36 ft DST-5

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

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Gauge No.	71678	4.1
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Date: 2-9-90

Ticket No: 359407

Page No: 1.1

SUMMARY OF TEST

Lease Owner: FUEL & GAS EXP.

Lease Name: PINELODGE

Well No.: 1

Test No.: 5-6

County/LSD:

State/Province: VICTORIA

Country: AUSTRALIA

Formation Tested: WAARRE

Hole Temp: 119.00 F

Total Depth: 7052.40 ft

Net Pay: 88.98 ft

Gross Tested Interval: 3385.38 - 3474.36 ft

DST.5

Perforated Interval (ft): 1032 - 1059

RECOVERY:

REMARKS:

ALL DOWNHOLE PRESSURES ARE IN ABSOLUTE  
PSIA.

TEST PERIOD SUMMARY

Gauge No.: 71678 Depth: 3297.72 ft Blanked off: No

ID	PERIOD	DESCRIPTION	PRESSURE (psi)	DURATION (min)
A		Initial Hydrostatic	1641.20	
B	1	Start Draw-down	28.63	
C		End Draw-down	37.38	5.52
C	2	Start Build-up	37.38	
D		End Build-up	1271.64	32.88
E	3	Start Draw-down	42.48	
F		End Draw-down	65.98	27.84
F	4	Start Build-up	65.98	
G		End Build-up	1084.23	31.68
H		Final Hydrostatic	1619.93	

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

PE906572

This is an enclosure indicator page.  
The enclosure PE906572 is enclosed within the  
container PE903710 at this location in this  
document.

The enclosure PE906572 has the following characteristics:

- ITEM\_BARCODE = PE906572
- CONTAINER\_BARCODE = PE903710
  - NAME = DST Pressure/Temperature Plot, 1 of 2
  - BASIN = OTWAY
  - PERMIT = PEP105
  - TYPE = WELL
  - SUBTYPE = DST
- DESCRIPTION = DST-5,6 Pressure/Temperature Plot, 1 of  
2, Appendix 16, Pine Lodge-1
- REMARKS =
- DATE\_CREATED = 02/09/1990
- DATE\_RECEIVED =
- W\_NO = W1034
- WELL\_NAME = PINE LODGE-1
- CONTRACTOR = HALLIBURTON SERVICES
- CLIENT\_OP\_CO = GAS AND FUEL EXPLORATION NL

(Inserted by DNRE - Vic Govt Mines Dept)



# Pressure/Temperature History

Test No: 5-6  
Gauge No: 71678

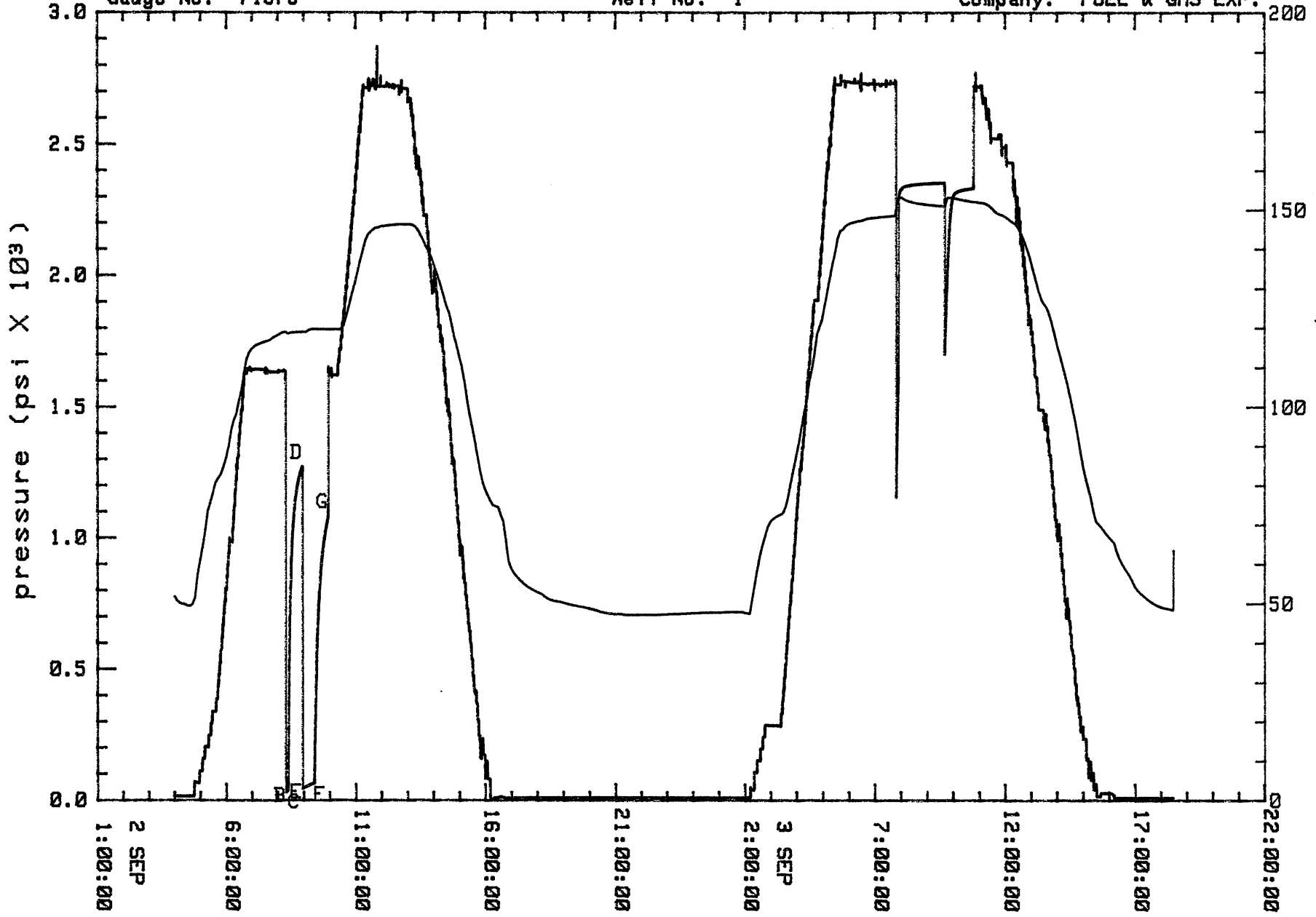
Well No: 1

Company: FUEL & GAS EXP.

Date: 2-9-90

Ticket No: 359407  
temperature (F)

Page No: 1.3





TEST AND FORMATION DATA

Formation Tested: WAARRE

All Depths Measured From: KELLY BUSHINGS

Elevation: 188.00 ft

Total Depth: 7052.40 ft

Net Pay: 88.98 ft

Hole or Casing Size: 8.500 in

Gross Tested Interval: 3385.38 - 3474.36 ft

Perforated Interval (ft):

1032 - 1059

DST-5

HOLE FLUID

HOLE TEMPERATURE

Type: DRILLING FLUID  
Weight: 9.40 lb/gal  
Viscosity: 43 seconds

Depth: 3297.00 ft  
Estimated: 0.00 F  
Actual: 119.00 F

HYDROCARBON PROPERTIES

CUSHION DATA

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

TYPE  
NIL

AMOUNT

WEIGHT

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 ft3  
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.

Date: 2-9-90

Ticket No: 359407

Page No: 1.5

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	0.0	0.09	0.09
2	BU	2	0.0	0.55	0.64
3	DD	3	0.0	0.46	1.10
4	BU	4	0.0	0.53	1.63

TEST STRING CONFIGURATION

	O.D. (in)	I.D. (in)	LENGTH (ft)	DEPTH (ft)
DST#5 DEPTHS.....				
DRILL PIPE.....	4.500	3.820	2654.360	
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	3286.27
INDEXING HYDROSPRING.....	5.000	0.750	5.310	3290.41
LOCKED OPEN BYPASS.....	5.000	0.750	2.000	
ELECTRONIC GAUGE RUNNING CASE...	5.000	1.000	6.950	3297.72
AP RUNNING CASE.....	5.000	2.250	4.140	3304.67
EXTENSION JOINT.....	5.000	0.875	7.080	
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	0.880	8.450	
HYDROFLATE PRESSURE LIMITER.....	5.000	1.060	4.300	
COMBINATION BYPASS.....	5.250	0.880	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	0.310	3385.38
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	0.500	3474.36
BELLY SPRINGS W/ B.O. GAUGE CASE	6.000	0.220	3.920	3480.86
TOTAL DEPTH				7052.40

Date: 2-9-90  
Test No: 5-6

Ticket No: 359407

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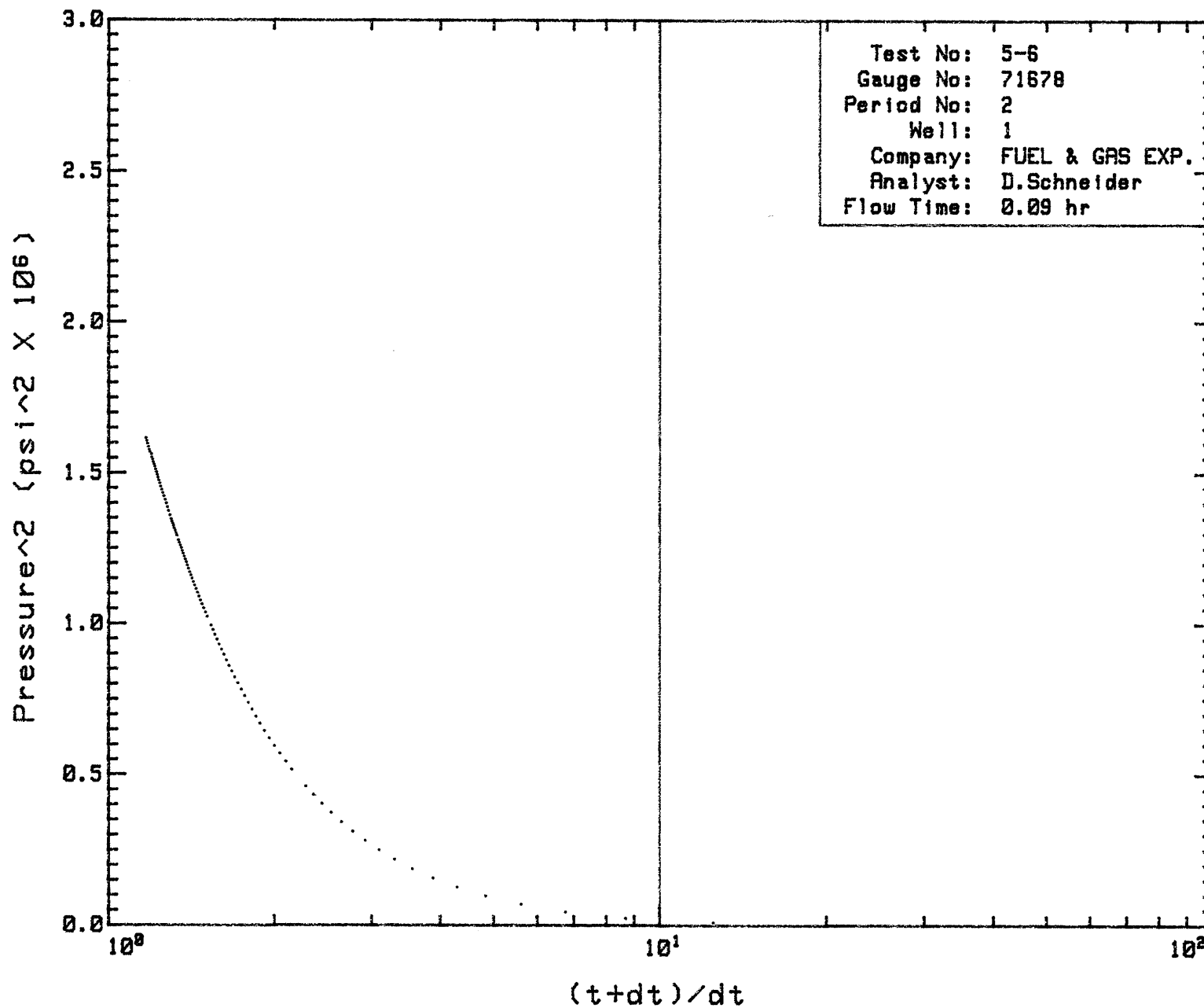
OPERATOR JOB LOG

Type of Flow Measuring Device: 6"CERAMIC CHOKE

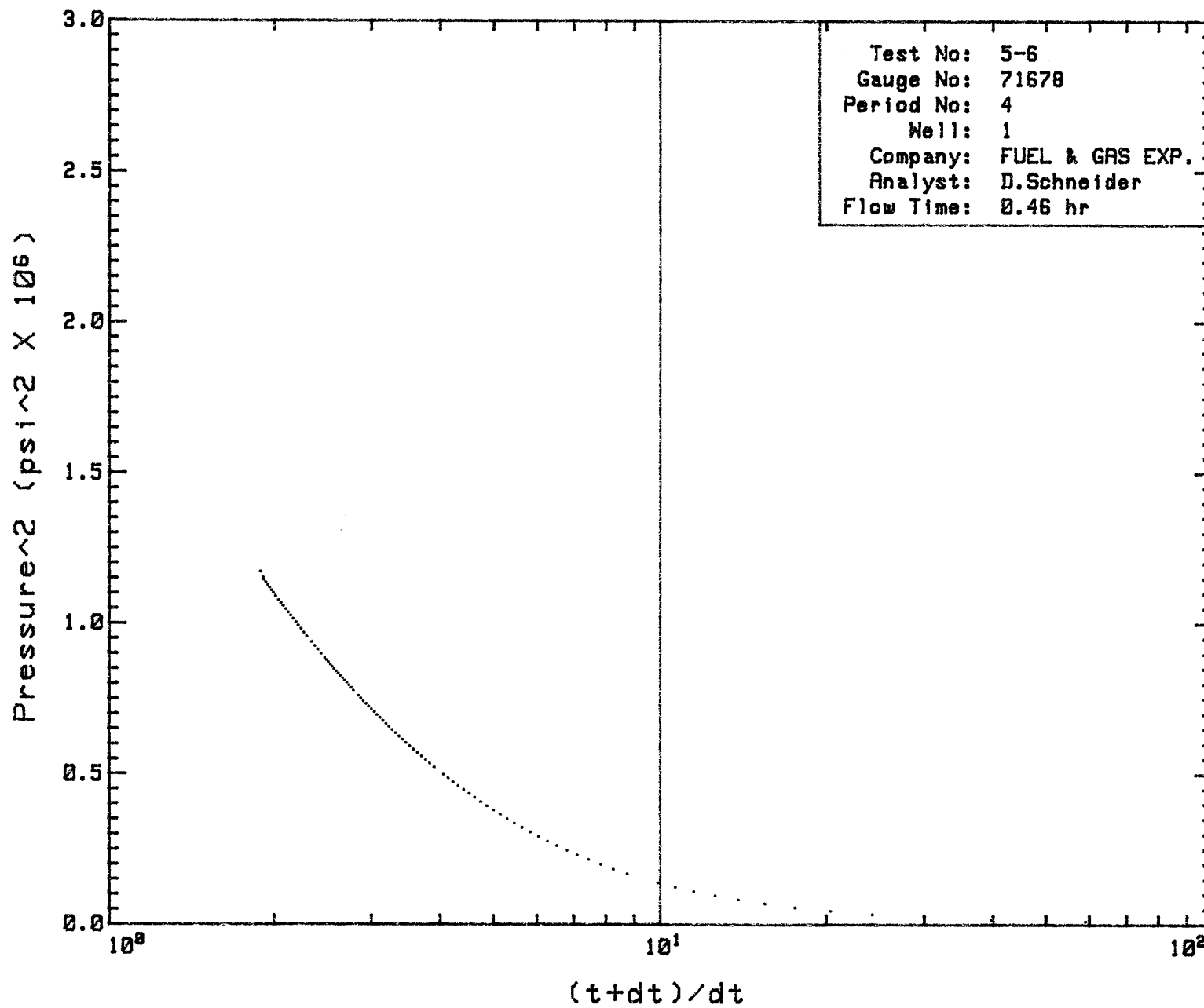
TIME HH:MM:SS	CHOKE SIZE (in)	SURFACE PRESSURE (psi)	GAS RATE (MCF/D)	LIQUID RATE (bbl/d)	REMARKS
-----					
2-SEP-90					
01:15:00					SURFACE PRESSURE = PSIG
01:15:00					MAKE UP TOOLS
01:15:00					START OF DST#5
03:58:00					START GRC-EMR710 GAUGE #71678
04:00:00					RUN IN HOLE
07:25:00					DST#5 I.HYDROSTATIC 1641.2psia
07:36:00					START TO ROTATE
08:04:00					RIG UP SURFACE EQUIPMENT
08:15:00					SET WEIGHT ON TOOL
08:18:00					TOOL OPEN - NO BUBBLE
08:24:00					TOOL CLOSED
08:57:00					TOOL OPEN - NO BUBBLE
09:15:00					TOOL OPEN - NO BUBBLE
09:25:00					TOOL CLOSED
09:55:00					PULL FREE
10:17:00					DST#5 F.HYDROSTATIC 1619.9psia
10:19:00					END OF DST#5
10:20:00					RUN 24 STANDS OF DRILL PIPE
10:20:00					FOR DST#6
11:25:00					DST#6 HYDROSTATIC 2713.3psia
11:34:00					START TO ROTATE
12:05:00					PACKERS WILL NOT TAKE WEIGHT
12:20:00					START TO ROTATE
12:48:00					PACKERS SET
12:52:00					RIG UP SURFACE EQUIPMENT
13:04:00					SET WEIGHT ON TOOL
13:19:00					HYDROSPRING WILL NOT OPEN
13:20:00					SET WEIGHT ON TOOL
13:30:00					HYDROSPRING WILL NOT OPEN
13:30:00					PULL OUT OF HOLE
13:30:00					END OF DST#6
16:10:00					TOOLS AT FLOOR
17:30:00					TOOLS LAID OUT

5 2 8 / 3

Pressure<sup>2</sup> vs log((t+dt)/dt)



Pressure<sup>2</sup> vs log((t+dt)/dt)



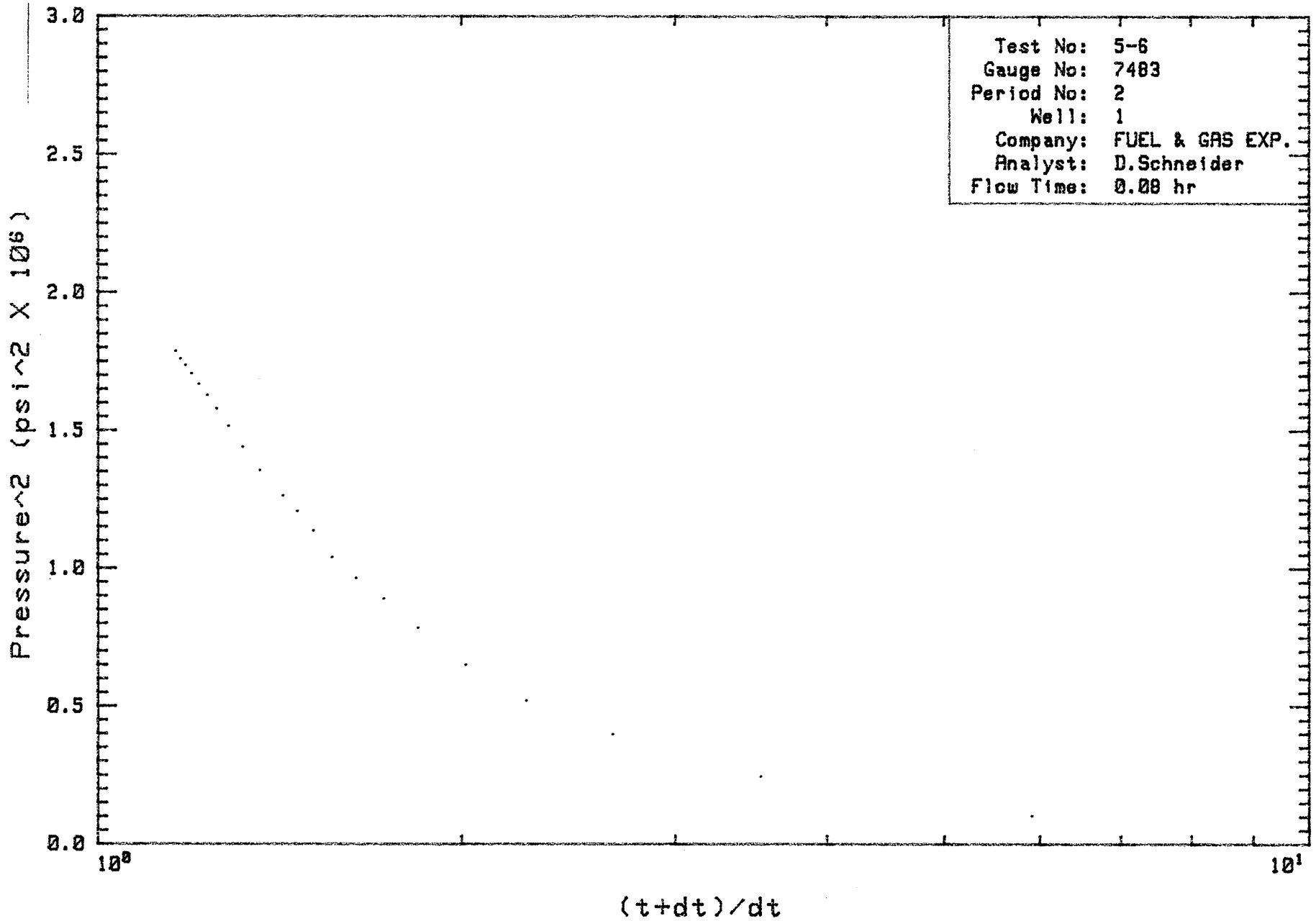
Test No: 5-6  
Gauge No: 71678  
Period No: 4  
Well: 1  
Company: FUEL & GAS EXP.  
Analyst: D.Schneider  
Flow Time: 0.46 hr

Date: 2-9-90

Ticket No: 359407

Page No: 2.2.2

Pressure<sup>2</sup> vs log((t+dt)/dt)



Test No: 5-6  
Gauge No: 7483  
Period No: 2  
Well: 1  
Company: FUEL & GAS EXP.  
Analyst: D.Schneider  
Flow Time: 0.00 hr

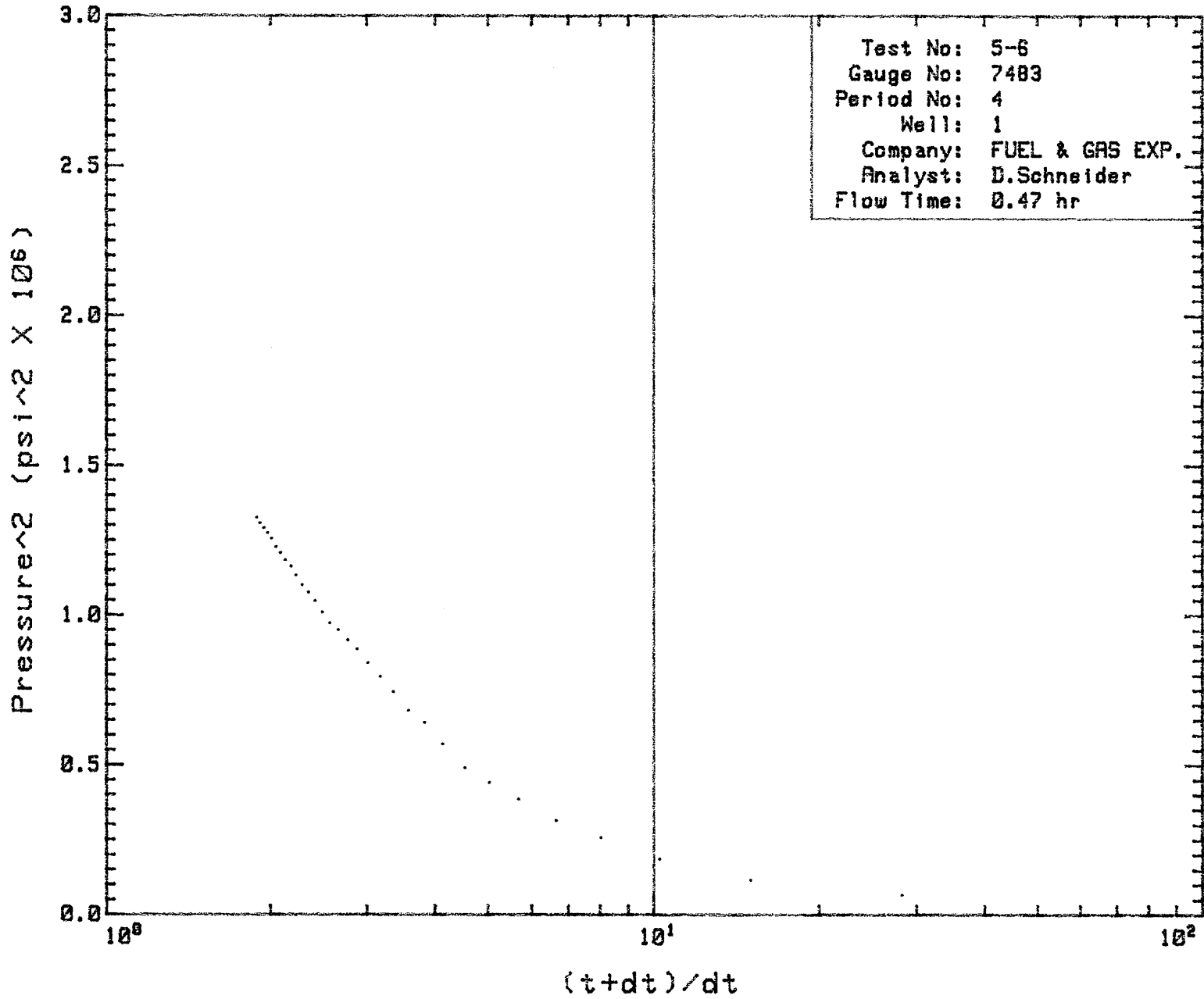
Date: 2-9-90

Ticket No: 359407

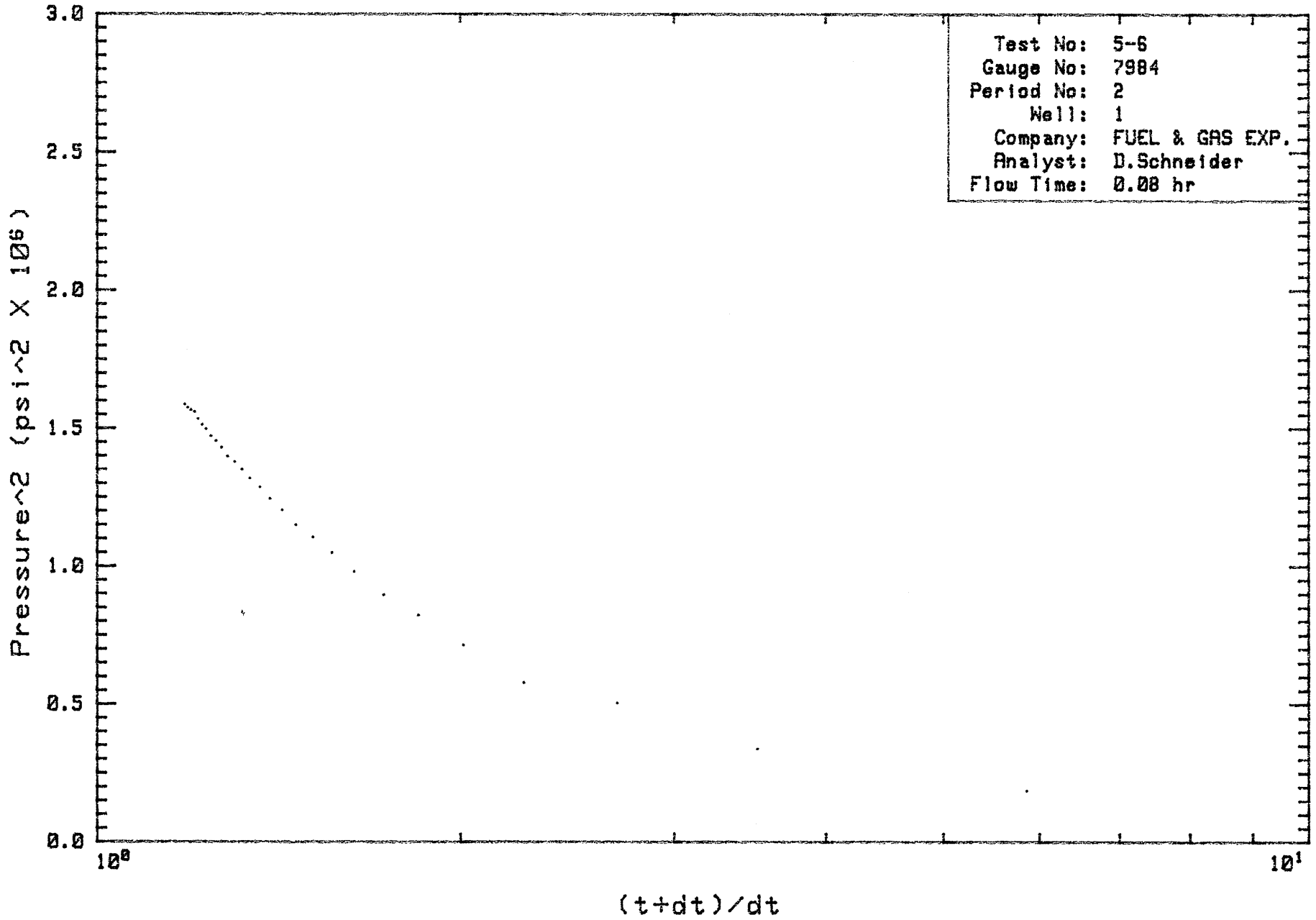
Page No: 2.2.3



Pressure<sup>2</sup> vs log((t+dt)/dt)



Pressure<sup>2</sup> vs log((t+dt)/dt)



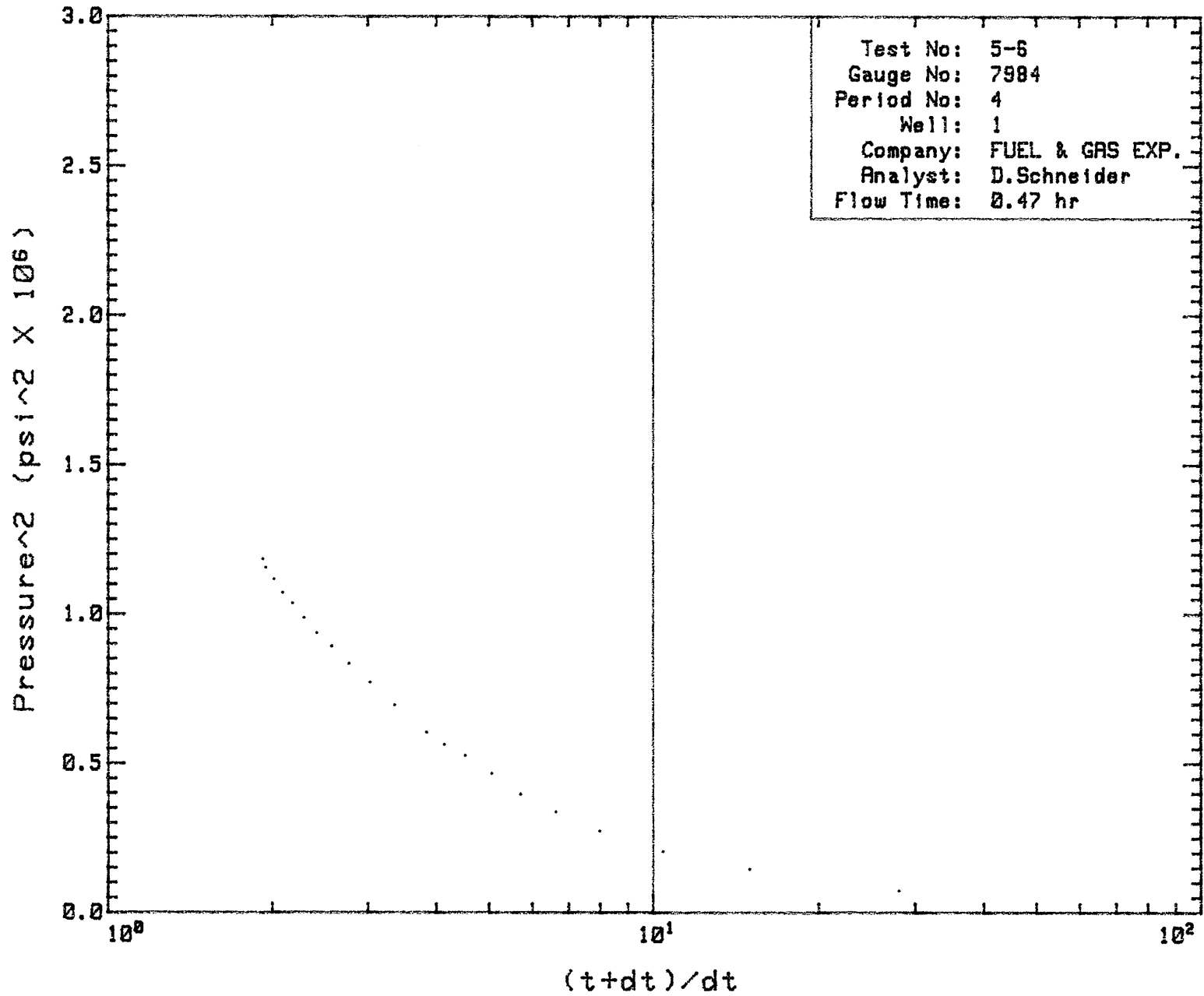
Test No: 5-6  
Gauge No: 7984  
Period No: 2  
Well: 1  
Company: FUEL & GAS EXP.  
Analyst: D. Schneider  
Flow Time: 0.08 hr

Date: 2-9-90

Ticket No: 359407

Page No: 2.2.5

Pressure<sup>2</sup> vs log((t+dt)/dt)



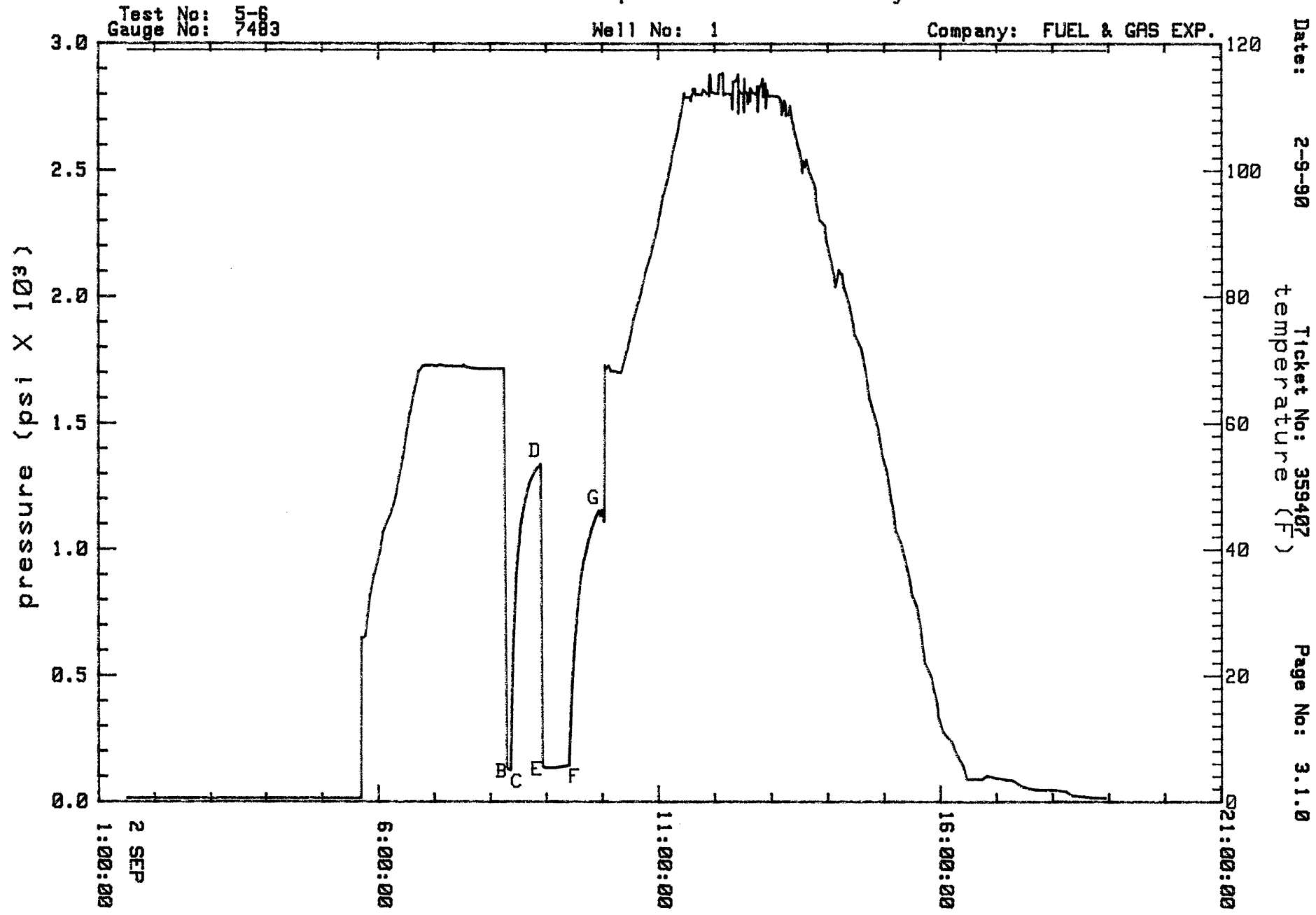
## TEST PERIOD SUMMARY

Gauge No.: 7483 Depth: 3680.86 ft Blanked off : Yes  
Hour of clock: 48

ID	PERIOD	DESCRIPTION	PRESSURE (psi)	DURATION (min)
A		Initial Hydrostatic	1713.64	
B	1	Start Draw-down	131.03	
C		End Draw-down	123.88	4.09
C	2	Start Build-up	123.88	
D		End Build-up	1336.88	31.95
E	3	Start Draw-down	140.07	
F		End Draw-down	143.73	28.41
F	4	Start Build-up	143.73	
G		End Build-up	1150.91	31.89
H		Final Hydrostatic	1703.47	

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

# Pressure/Temperature History



Date: 2-9-90

Ticket No: 359407

Page No: 3.1.1

PRESSURE VS TIME

MECHANICAL gauge no.: 7483  
Clock no.:

Gauge Depth: 3680.86 ft  
48

Hour:

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

Data Print Frequency: 1

SURFACE PRESSURE = PSIG  
MAKE UP TOOLS  
START OF DST#5

01:15:00				
01:15:00				
01:15:00				
01:31:17		12.001	119.0	
01:46:15		12.001	119.0	
02:01:16		12.001	119.0	
02:16:15		12.001	119.0	
02:31:16		12.001	119.0	
02:46:15		12.001	119.0	
03:01:16		12.001	119.0	
03:16:14		12.001	119.0	
03:31:16		12.001	119.0	
03:46:18		12.001	119.0	
03:58:00				
04:00:00				
04:01:16		12.001	119.0	
04:16:18		12.001	119.0	
04:31:16		12.001	119.0	
04:46:18		12.001	119.0	
05:01:16		12.001	119.0	
05:16:18		12.001	119.0	
05:31:16		12.001	119.0	
05:40:59		12.001	119.0	
05:42:01		648.655	119.0	
05:46:07		653.899	119.0	
05:48:33		731.451	119.0	
05:51:29		817.750	119.0	
05:55:28		897.062	119.0	
06:01:05		980.670	119.0	
06:04:59		1066.664	119.0	
06:12:27		1128.974	119.0	
06:18:30		1201.615	119.0	
06:22:02		1282.838	119.0	
06:26:15		1359.447	119.0	
06:29:55		1450.830	119.0	
06:33:57		1535.372	119.0	
06:38:17		1617.520	119.0	
06:43:33		1703.786	119.0	
06:47:57		1724.596	119.0	
06:52:28		1729.362	119.0	
07:03:42		1724.279	119.0	
07:05:54		1729.521	119.0	
07:11:17		1725.708	119.0	
07:19:50		1724.596	119.0	
07:25:00				
07:30:06		1723.167	119.0	

START GRC-EMR710 GAUGE #71678  
RUN IN HOLE

DST#5 I.HYDROSTATIC 1641.2psia

Date: 2-9-90

Ticket No: 359407

Page No: 3.1.2

PRESSURE VS TIME

MECHANICAL gauge no.: 7483  
Clock no.:

Hour:

Gauge Depth: 3680.86 ft  
48

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

Data Print Frequency: 1

07:31:30 1727.773 119.0

07:32:51 1723.326 119.0

07:36:00

START TO ROTATE

07:36:16 1718.878 119.0

07:41:13 1715.860 119.0

07:48:55 1713.794 119.0

07:52:50 1713.636 119.0

08:00:54 1713.477 119.0

08:04:00

RIG UP SURFACE EQUIPMENT

08:10:36 1714.430 119.0

08:14:35 1714.906 119.0

08:15:00

SET WEIGHT ON TOOL

08:18:00

TOOL OPEN - NO BUBBLE

\*\*\* Start of Period 1 \*\*\*

08:18:00 0.00 131.027 119.0

08:19:02 1.04 128.646 119.0

08:20:01 2.02 127.059 119.0

08:21:03 3.05 125.472 119.0

08:22:06 4.09 123.884 119.0

\*\*\* End of Period 1 \*\*\*

\*\*\* Start of Period 2 \*\*\*

08:23:08 1.04 321.236 119.0

08:24:00

TOOL CLOSED

08:24:07 2.02 495.009 119.0

08:25:09 3.05 631.334 119.0

08:26:08 4.03 721.915 119.0

08:27:06 5.01 806.307 119.0

08:28:09 6.05 885.459 119.0

08:29:07 7.03 943.316 119.0

08:30:06 8.00 982.418 119.0

08:31:08 9.04 1020.408 119.0

08:32:07 10.02 1066.346 119.0

08:33:05 11.00 1098.931 119.0

08:34:08 12.04 1124.046 119.0

08:36:09 14.05 1163.944 119.0

08:38:06 16.01 1200.026 119.0

08:40:07 18.02 1231.021 119.0

08:42:08 20.04 1257.088 119.0

08:44:05 22.00 1275.685 119.0

08:46:06 24.01 1291.421 119.0

08:48:07 26.03 1306.520 119.0

08:50:08 28.04 1317.646 119.0

08:52:06 30.00 1326.547 119.0

08:54:03 31.95 1336.878 119.0

\*\*\* End of Period 2 \*\*\*

PRESSURE VS TIME

MECHANICAL gauge no.: 7483  
Clock no.:

Gauge Depth: 3680.86 ft  
48

Hour:

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

2-SEP-90

Data Print Frequency: 1  
\*\*\* Start of Period 3 \*\*\*

08:56:07	0.00	140.075	119.0	
08:57:00				TOOL OPEN - NO BUBBLE
08:57:10	1.04	136.265	119.0	
08:58:08	2.02	134.837	119.0	
08:59:11	3.05	133.884	119.0	
09:00:09	4.03	133.091	119.0	
09:01:08	5.01	132.773	119.0	
09:02:10	6.05	132.138	119.0	
09:04:08	8.00	132.456	119.0	
09:06:09	10.02	133.091	119.0	
09:08:10	12.04	133.726	119.0	
09:10:11	14.05	134.519	119.0	
09:12:08	16.01	135.313	119.0	
09:14:09	18.02	136.900	119.0	
09:15:00				TOOL OPEN - NO BUBBLE
09:16:10	20.04	138.170	119.0	
09:18:07	22.00	139.122	119.0	
09:20:08	24.01	140.234	119.0	
09:22:09	26.03	141.662	119.0	
09:24:10	28.04	143.408	119.0	
09:24:32	28.41	143.726	119.0	
09:25:00				TOOL CLOSED

\*\*\* End of Period 3 \*\*\*  
\*\*\* Start of Period 4 \*\*\*

09:25:34	1.04	255.017	119.0	
09:26:33	2.02	338.388	119.0	
09:27:35	3.05	429.876	119.0	
09:28:34	4.03	506.606	119.0	
09:29:33	5.01	559.990	119.0	
09:30:35	6.05	620.688	119.0	
09:31:34	7.03	663.752	119.0	
09:32:32	8.00	699.984	119.0	
09:33:35	9.04	754.813	119.0	
09:34:33	10.02	801.221	119.0	
09:35:32	11.00	825.220	119.0	
09:36:34	12.04	862.412	119.0	
09:37:33	13.01	891.340	119.0	
09:38:35	14.05	916.772	119.0	
09:39:34	15.03	941.727	119.0	
09:40:33	16.01	957.463	119.0	
09:41:35	17.05	974.947	119.0	
09:42:34	18.02	986.710	119.0	
09:43:32	19.00	1004.513	119.0	
09:44:34	20.04	1023.428	119.0	
09:45:33	21.02	1037.098	119.0	



Date: 2-9-90

Ticket No: 359407

Page No: 3.1.4

PRESSURE VS TIME

MECHANICAL gauge no.: 7483  
Clock no.:

Gauge Depth: 3680.86 ft  
48

Hour:

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS
-----				
2-SEP-90				Data Print Frequency: 1
09:46:32	22.00	1049.179	119.0	
09:47:34	23.03	1064.438	119.0	
09:48:33	24.01	1078.585	119.0	
09:49:35	25.05	1087.805	119.0	
09:50:34	26.03	1098.614	119.0	
09:51:32	27.00	1107.833	119.0	
09:52:35	28.04	1120.390	119.0	
09:53:33	29.02	1128.974	119.0	
09:54:32	30.00	1136.286	119.0	
09:55:00				PULL FREE
09:55:34	31.04	1142.962	119.0	
09:56:26	31.89	1150.909	119.0	
		*** End of Period 4 ***		
09:58:01		1129.927	119.0	
09:59:36		1152.499	119.0	
10:02:14		1108.151	119.0	
10:02:51		1726.979	119.0	
10:05:03		1715.542	119.0	
10:07:00		1725.073	119.0	
10:09:23		1705.375	119.0	
10:12:19		1703.469	119.0	
10:17:00				DST#5 F.HYDROSTATIC 1619.9psia
10:19:00				END OF DST#5
10:20:00				RUN 24 STANDS OF DRILL PIPE
10:20:00				FOR DST#6
10:20:12		1698.544	119.0	
10:26:04		1779.397	119.0	
10:29:03		1822.439	119.0	
10:33:49		1910.256	119.0	
10:40:32		1995.989	119.0	
10:46:43		2099.476	119.0	
10:51:10		2150.572	119.0	
10:54:25		2198.962	119.0	
10:58:12		2254.799	119.0	
11:02:10		2328.068	119.0	
11:05:17		2394.182	119.0	
11:09:26		2446.490	119.0	
11:13:06		2506.550	119.0	
11:15:48		2573.088	119.0	
11:20:15		2637.231	119.0	
11:23:55		2712.275	119.0	
11:25:00				DST#6 HYDROSTATIC 2713.3psia
11:27:24		2779.537	119.0	
11:27:57		2804.062	119.0	
11:28:34		2786.341	119.0	
11:34:00				START TO ROTATE

Date: 2-9-90

Ticket No: 359407

Page No: 3.1.5

PRESSURE VS TIME

MECHANICAL gauge no.: 7483  
Clock no.:

Gauge Depth: 3680.86 ft  
48

Hour:

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS
-----				
2-SEP-90				Data Print Frequency: 1
11:34:18		2787.924	119.0	
11:35:21		2773.050	119.0	
11:37:36		2819.250	119.0	
11:39:37		2820.832	119.0	
11:40:07		2797.101	119.0	
11:41:42		2799.632	119.0	
11:46:31		2797.101	119.0	
11:48:25		2816.561	119.0	
11:54:17		2793.778	119.0	
11:55:34		2876.510	119.0	
11:56:51		2808.176	119.0	
12:01:33		2800.898	119.0	
12:04:18		2800.582	119.0	
12:05:00				PACKERS WILL NOT TAKE WEIGHT
12:05:17		2877.459	119.0	
12:08:57		2882.362	119.0	
12:09:34		2794.569	119.0	
12:10:07		2804.695	119.0	
12:10:58		2800.265	119.0	
12:15:58		2798.366	119.0	
12:18:43		2798.208	119.0	
12:19:13		2740.291	119.0	
12:20:00				START TO ROTATE
12:20:00		2847.250	119.0	
12:23:40		2855.317	119.0	
12:25:12		2876.036	119.0	
12:25:19		2723.672	119.0	
12:25:56		2816.086	119.0	
12:26:33		2808.176	119.0	
12:30:38		2801.689	119.0	
12:31:30		2728.420	119.0	
12:31:44		2860.062	119.0	
12:32:17		2808.967	119.0	
12:34:59		2802.955	119.0	
12:35:50		2762.447	119.0	
12:36:37		2803.271	119.0	
12:37:54		2771.625	119.0	
12:38:13		2823.363	119.0	
12:40:39		2805.961	119.0	
12:44:41		2799.632	119.0	
12:45:47		2829.217	119.0	
12:46:13		2730.794	119.0	
12:47:01		2799.632	119.0	
12:47:56		2829.850	119.0	
12:48:00				PACKERS SET
12:50:08		2834.121	119.0	

Date: 2-9-90

Ticket No: 359407

Page No: 3.1.6

PRESSURE VS TIME

MECHANICAL gauge no.: 7483  
Clock no.:

Gauge Depth: 3680.86 ft  
48

Hour:

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS
-----				
2-SEP-90				Data Print Frequency: 1
12:51:14		2859.271	119.0	
12:52:00				RIG UP SURFACE EQUIPMENT
12:52:05		2788.715	119.0	
12:54:13		2841.714	119.0	
12:54:57		2744.722	119.0	
12:55:56		2816.877	119.0	
12:56:51		2792.512	119.0	
13:03:52		2790.455	119.0	
13:04:00				SET WEIGHT ON TOOL
13:08:24		2788.873	119.0	
13:10:21		2777.006	119.0	
13:11:49		2719.082	119.0	
13:12:33		2764.821	119.0	
13:13:43		2735.068	119.0	
13:14:16		2774.157	119.0	
13:15:29		2758.491	119.0	
13:16:17		2714.808	119.0	
13:17:26		2719.240	119.0	
13:19:00				HYDROSPRING WILL NOT OPEN
13:19:09		2717.657	119.0	
13:20:00				SET WEIGHT ON TOOL
13:20:08		2751.053	119.0	
13:22:38		2689.955	119.0	
13:25:45		2638.972	119.0	
13:29:17		2585.285	119.0	
13:30:00				HYDROSPRING WILL NOT OPEN
13:30:00				PULL OUT OF HOLE
13:30:00				END OF DST#6
13:32:13		2539.029	119.0	
13:33:08		2488.169	119.0	
13:33:56		2537.287	119.0	
13:36:08		2513.997	119.0	
13:37:25		2539.663	119.0	
13:40:58		2488.327	119.0	
13:47:08		2432.701	119.0	
13:48:18		2365.012	119.0	
13:51:17		2300.952	119.0	
13:57:05		2280.652	119.0	
13:58:55		2220.378	119.0	
14:02:57		2151.365	119.0	
14:06:26		2092.017	119.0	
14:08:24		2037.102	119.0	
14:12:04		2103.443	119.0	
14:13:42		2090.430	119.0	
14:15:32		2087.097	119.0	
14:17:19		2034.880	119.0	

Date: 2-9-90

Ticket No: 359407

Page No: 3.1.7

PRESSURE VS TIME

MECHANICAL gauge no.: 7483  
Clock no.:

Hour:

Gauge Depth: 3680.86 ft  
48

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

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS
2-SEP-90				Data Print Frequency: 1
14:22:19		1975.352	119.0	
14:26:10		1908.986	119.0	
14:28:52		1846.261	119.0	
14:35:57		1795.280	119.0	
14:39:07		1732.062	119.0	
14:42:07		1658.033	119.0	
14:44:34		1597.977	119.0	
14:48:32		1542.681	119.0	
14:52:34		1492.784	119.0	
14:55:48		1433.508	119.0	
14:58:19		1367.076	119.0	
15:02:39		1315.739	119.0	
15:05:02		1256.612	119.0	
15:07:36		1196.847	119.0	
15:10:35		1137.080	119.0	
15:12:25		1070.638	119.0	
15:17:30		1029.309	119.0	
15:21:32		974.630	119.0	
15:24:50		921.063	119.0	
15:27:49		869.247	119.0	
15:29:39		818.068	119.0	
15:34:40		777.063	119.0	
15:37:06		723.663	119.0	
15:39:37		660.891	119.0	
15:41:27		604.321	119.0	
15:44:01		543.307	119.0	
15:49:45		501.840	119.0	
15:53:03		445.285	119.0	
15:56:58		388.895	119.0	
15:58:29		331.242	119.0	
16:02:46		276.613	119.0	
16:10:00				TOOLS AT FLOOR
16:12:29		234.217	119.0	
16:18:13		181.031	119.0	
16:24:49		141.662	119.0	
16:28:44		88.490	119.0	
16:44:08		85.316	119.0	
16:49:49		100.552	119.0	
17:06:11		87.697	119.0	
17:17:48		81.031	119.0	
17:29:02		55.639	119.0	
17:30:00				TOOLS LAID OUT
17:42:21		45.007	119.0	
18:01:25		43.896	119.0	
18:14:52		37.548	119.0	
18:21:24		21.680	119.0	

Date: 2-9-90

Ticket No: 359407

Page No: 3.1.8

PRESSURE VS TIME

MECHANICAL gauge no.: 7483  
Clock no.:

Hour:

Gauge Depth: 3680.86 ft  
48

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

Data Print Frequency: 1

18:33:33		17.396	119.0	
18:42:14		12.953	119.0	
18:53:14		12.636	119.0	
18:54:27		12.001	119.0	
18:56:13		12.001	119.0	

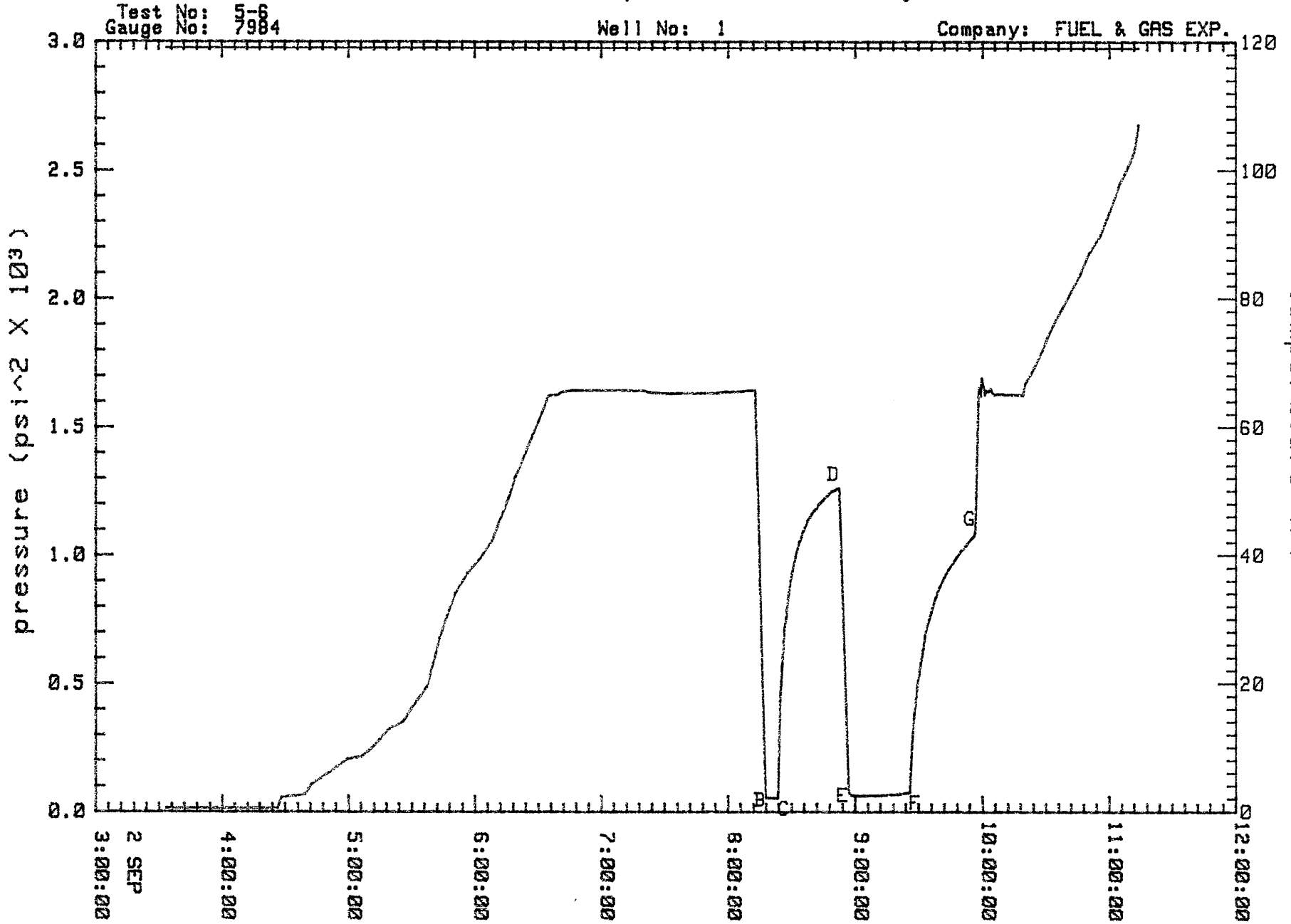
TEST PERIOD SUMMARY

Gauge No.: 7984 Depth: 3304.67 ft Blanked off : No  
Hour of clock: 48

ID	PERIOD	DESCRIPTION	PRESSURE (psi)	DURATION (min)
A		Initial Hydrostatic	1643.52	
B	1	Start Draw-down	54.20	
C		End Draw-down	52.82	5.81
C	2	Start Build-up	52.82	
D		End Build-up	1260.77	28.84
E	3	Start Draw-down	72.30	
F		End Draw-down	76.09	28.91
F	4	Start Build-up	76.09	
G		End Build-up	1087.35	30.73
H		Final Hydrostatic	1625.36	

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

# Pressure/Temperature History



Date: 2-9-90

Ticket No: 359407  
temperature (F)

Page No: 3.2.0

PRESSURE VS TIME

MECHANICAL gauge no.: 7984  
Clock no.:

Gauge Depth: 3304.67 ft  
48

Hour:

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

Data Print Frequency: 1

01:15:00				
01:15:00				
01:15:00				
03:33:31		13.528	119.0	
03:48:30		13.528	119.0	
03:58:00				
04:00:00				
04:03:29		13.528	119.0	
04:18:32		13.528	119.0	
04:26:39		14.045	119.0	
04:28:32		57.129	119.0	
04:39:23		67.126	119.0	
04:42:45		107.461	119.0	
04:51:05		153.494	119.0	
04:59:50		206.260	119.0	
05:06:37		215.400	119.0	
05:12:38		259.037	119.0	
05:19:13		323.729	119.0	
05:26:09		352.543	119.0	
05:30:59		415.186	119.0	
05:37:17		485.437	119.0	
05:40:17		578.150	119.0	
05:43:26		677.280	119.0	
05:46:56		762.097	119.0	
05:50:47		851.079	119.0	
05:56:44		931.955	119.0	
06:02:25		985.362	119.0	
06:08:09		1055.370	119.0	
06:12:08		1139.736	119.0	
06:16:04		1222.904	119.0	
06:19:08		1302.448	119.0	
06:23:29		1385.114	119.0	
06:27:24		1466.229	119.0	
06:31:53		1554.787	119.0	
06:35:02		1623.111	119.0	
06:39:47		1628.992	119.0	
06:41:11		1637.122	119.0	
06:45:32		1643.176	119.0	
06:46:39		1644.387	119.0	
06:48:07		1643.522	119.0	
06:57:51		1643.522	119.0	
07:09:58		1642.657	119.0	
07:20:28		1640.408	119.0	
07:24:48		1633.489	119.0	
07:25:00				
07:30:49		1630.895	119.0	

SURFACE PRESSURE = PSIG  
MAKE UP TOOLS  
START OF DST#5

START GRC-EMR710 GAUGE #71678  
RUN IN HOLE

DST#5 I.HYDROSTATIC 1641.2psia



Date: 2-9-90

Ticket No: 359407

Page No: 3.2.2

PRESSURE VS TIME

MECHANICAL gauge no.: 7984  
Clock no.:

Gauge Depth: 3304.67 ft  
48

Hour:

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

Data Print Frequency: 1

07:36:00

START TO ROTATE

07:36:21

1632.624 119.0

07:46:55

1633.489 119.0

07:54:58

1633.316 119.0

07:58:58

1638.333 119.0

08:04:00

RIG UP SURFACE EQUIPMENT

08:06:23

1638.851 119.0

08:09:40

1643.349 119.0

08:12:53

1644.733 119.0

08:15:00

SET WEIGHT ON TOOL

08:18:00

TOOL OPEN - NO BUBBLE

\*\*\* Start of Period 1 \*\*\*

08:18:00

0.00 54.199 119.0

08:19:03

1.05 53.165 119.0

08:20:02

2.03 52.993 119.0

08:21:05

3.08 52.821 119.0

08:22:04

4.06 52.821 119.0

08:23:02

5.04 52.821 119.0

08:23:49

5.81 52.821 119.0

08:24:00

TOOL CLOSED

\*\*\* End of Period 1 \*\*\*

\*\*\* Start of Period 2 \*\*\*

08:24:52

1.05 429.165 119.0

08:25:50

2.03 579.359 119.0

08:26:49

3.01 708.717 119.0

08:27:52

4.06 759.505 119.0

08:28:51

5.04 844.512 119.0

08:29:50

6.02 906.032 119.0

08:30:49

7.00 945.782 119.0

08:31:52

8.05 989.338 119.0

08:32:50

9.03 1023.390 119.0

08:33:49

10.01 1050.357 119.0

08:34:52

11.06 1071.620 119.0

08:35:51

12.04 1095.996 119.0

08:36:50

13.02 1114.840 119.0

08:37:49

14.00 1133.339 119.0

08:38:52

15.05 1147.344 119.0

08:39:50

16.03 1161.176 119.0

08:40:49

17.01 1173.106 119.0

08:41:52

18.06 1181.405 119.0

08:42:51

19.04 1195.238 119.0

08:43:50

20.02 1205.094 119.0

08:44:49

21.00 1212.529 119.0

08:45:52

22.05 1222.904 119.0

08:46:50

23.03 1228.956 119.0

08:47:49

24.01 1237.601 119.0

Date: 2-9-90

Ticket No: 359407

Page No: 3.2.3

PRESSURE VS TIME

MECHANICAL gauge no.: 7984  
Clock no.:

Gauge Depth: 3304.67 ft  
48

Hour:

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS
-----				
2-SEP-90				Data Print Frequency: 1
08:48:52	25.06	1248.150	119.0	
08:49:51	26.04	1251.262	119.0	
08:50:50	27.02	1254.548	119.0	
08:51:49	28.00	1258.871	119.0	
08:52:39	28.84	1260.773	119.0	
08:57:00				TOOL OPEN - NO BUBBLE
				*** End of Period 2 ***
				*** Start of Period 3 ***
08:57:12	0.00	72.297	119.0	
08:58:15	1.05	66.436	119.0	
08:59:14	2.03	63.679	119.0	
09:00:13	3.01	62.645	119.0	
09:01:16	4.06	61.438	119.0	
09:02:14	5.04	61.266	119.0	
09:03:13	6.02	61.438	119.0	
09:04:12	7.00	61.783	119.0	
09:05:15	8.05	61.955	119.0	
09:06:14	9.03	62.300	119.0	
09:07:13	10.01	62.645	119.0	
09:09:14	12.04	63.334	119.0	
09:11:12	14.00	64.196	119.0	
09:13:14	16.03	65.058	119.0	
09:15:00				TOOL OPEN - NO BUBBLE
09:15:16	18.06	66.264	119.0	
09:17:13	20.02	67.643	119.0	
09:19:15	22.05	68.677	119.0	
09:21:13	24.01	69.884	119.0	
09:23:14	26.04	71.607	119.0	
09:25:00				TOOL CLOSED
09:25:12	28.00	74.020	119.0	
09:26:07	28.91	76.089	119.0	
				*** End of Period 3 ***
				*** Start of Period 4 ***
09:27:10	1.05	267.489	119.0	
09:28:08	2.03	378.945	119.0	
09:29:07	3.01	449.532	119.0	
09:30:10	4.06	521.172	119.0	
09:31:09	5.04	579.186	119.0	
09:32:08	6.02	628.230	119.0	
09:33:07	7.00	681.598	119.0	
09:34:10	8.05	724.955	119.0	
09:35:08	9.03	749.658	119.0	
09:36:07	10.01	776.263	119.0	
09:38:09	12.04	833.108	119.0	
09:40:07	14.00	876.999	119.0	
09:42:08	16.03	912.772	119.0	

Date: 2-9-90

Ticket No: 359407

Page No: 3.2.4

PRESSURE VS TIME

MECHANICAL gauge no.: 7984  
Clock no.:

Gauge Depth: 3304.67 ft  
48

Hour:

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS
-----				
2-SEP-90				Data Print Frequency: 1
09:44:10	18.06	943.535	119.0	
09:46:08	20.02	967.214	119.0	
09:48:10	22.05	993.141	119.0	
09:50:07	24.01	1017.513	119.0	
09:52:09	26.04	1034.626	119.0	
09:54:07	28.00	1056.062	119.0	
09:55:00				PULL FREE
09:56:08	30.03	1074.559	119.0	
09:56:50	30.73	1087.352	119.0	
		*** End of Period 4 ***		
09:58:27		1654.246	119.0	
09:59:22		1620.689	119.0	
09:59:51		1692.301	119.0	
10:01:19		1626.743	119.0	
10:02:01		1641.965	119.0	
10:03:04		1639.543	119.0	
10:04:03		1649.230	119.0	
10:05:02		1631.759	119.0	
10:06:09		1626.224	119.0	
10:07:04		1630.376	119.0	
10:10:46		1627.781	119.0	
10:14:08		1626.224	119.0	
10:17:00				DST#5 F.HYDROSTATIC 1619.9psia
10:17:13		1625.359	119.0	
10:19:00				END OF DST#5
10:19:14		1624.149	119.0	
10:20:00				RUN 24 STANDS OF DRILL PIPE
10:20:00				FOR DST#6
10:20:17		1667.739	119.0	
10:23:47		1716.864	119.0	
10:27:47		1786.402	119.0	
10:31:50		1865.626	119.0	
10:37:26		1956.093	119.0	
10:41:55		2023.378	119.0	
10:46:11		2091.525	119.0	
10:50:40		2177.309	119.0	
10:55:47		2242.854	119.0	
10:59:59		2328.797	119.0	
11:04:57		2442.911	119.0	
11:09:13		2514.136	119.0	
11:12:18		2576.017	119.0	
11:14:16		2677.121	119.0	
11:25:00				DST#6 HYDROSTATIC 2713.3psia
11:34:00				START TO ROTATE
12:05:00				PACKERS WILL NOT TAKE WEIGHT
12:20:00				START TO ROTATE

Date: 2-9-90

Ticket No: 359407

Page No: 3.2.5

PRESSURE VS TIME

MECHANICAL gauge no.: 7984  
Clock no.:

Hour:

Gauge Depth: 3304.67 ft  
48

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

Data Print Frequency: 1

12:48:00				PACKERS SET
12:52:00				RIG UP SURFACE EQUIPMENT
13:04:00				SET WEIGHT ON TOOL
13:19:00				HYDROSPRING WILL NOT OPEN
13:20:00				SET WEIGHT ON TOOL
13:30:00				HYDROSPRING WILL NOT OPEN
13:30:00				PULL OUT OF HOLE
13:30:00				END OF DST#6
16:10:00				TOOLS AT FLOOR
17:30:00				TOOLS LAID OUT

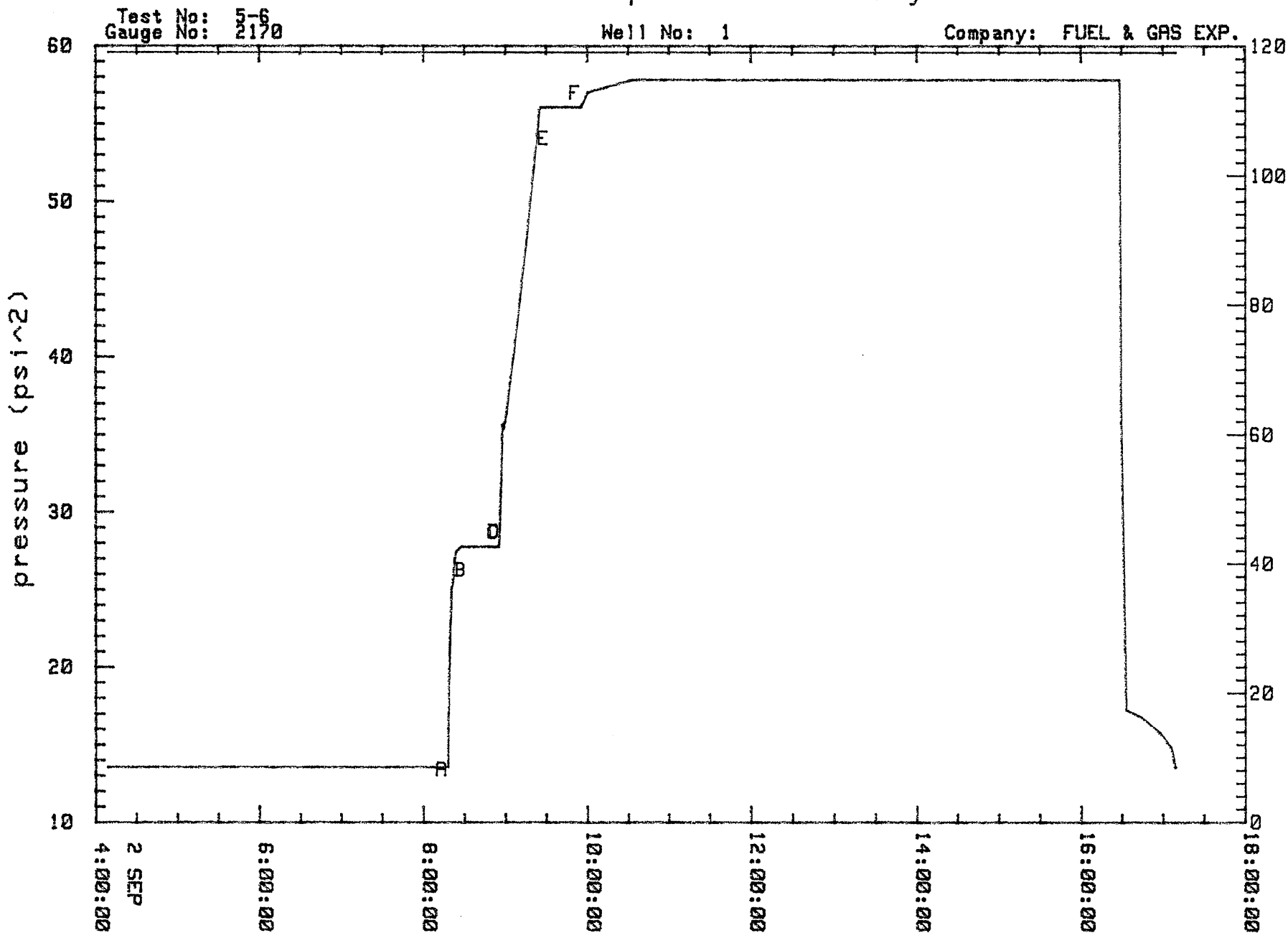
TEST PERIOD SUMMARY

Gauge No.: 2170 Depth: 3286.27 ft Blanked off : No  
Hour of clock: 48

ID	PERIOD	DESCRIPTION	PRESSURE (psi)	DURATION (min)
A	1	Start Draw-down	13.53	
B		End Draw-down	26.96	5.10
B	2	Start Build-up	26.96	
C		End Build-up	27.76	32.23
D	3	Start Draw-down	28.90	
E		End Draw-down	54.77	28.32
E	4	Start Build-up	54.77	
F		End Build-up	56.06	31.64

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

# Pressure/Temperature History



Date: 2-9-90

Ticket No: 359407  
temperature (F)

Page No: 3.3.0

PRESSURE VS TIME

MECHANICAL gauge no.: 2170  
Clock no.:

Gauge Depth: 3286.27 ft  
48

Hour:

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

2-SEP-90

Data Print Frequency: 1

01:15:00				SURFACE PRESSURE = PSIG
01:15:00				MAKE UP TOOLS
01:15:00				START OF DST#5
03:58:00				START GRC-EMR710 GAUGE #71678
04:00:00				RUN IN HOLE
04:09:23		13.535	119.0	
04:39:22		13.535	119.0	
05:09:21		13.535	119.0	
05:39:23		13.535	119.0	
06:09:22		13.535	119.0	
06:39:21		13.535	119.0	
07:09:23		13.535	119.0	
07:25:00				DST#5 I.HYDROSTATIC 1641.2psia
07:36:00				START TO ROTATE
07:39:22		13.535	119.0	
08:04:00				RIG UP SURFACE EQUIPMENT
08:09:21		13.535	119.0	
08:15:00				SET WEIGHT ON TOOL
08:18:00				TOOL OPEN - NO BUBBLE
		*** Start of Period 1 ***		
08:18:00	0.00	13.535	119.0	
08:19:00	1.01	19.356	119.0	
08:20:01	2.01	22.751	119.0	
08:21:01	3.02	25.177	119.0	
08:22:02	4.03	25.500	119.0	
08:23:02	5.04	26.793	119.0	
08:23:06	5.10	26.955	119.0	
08:24:00				TOOL CLOSED
		*** End of Period 1 ***		
		*** Start of Period 2 ***		
08:24:06	1.01	27.440	119.0	
08:28:08	5.04	27.764	119.0	
08:33:07	10.01	27.764	119.0	
08:38:09	15.05	27.764	119.0	
08:43:07	20.03	27.764	119.0	
08:48:06	25.00	27.764	119.0	
08:53:08	30.04	27.764	119.0	
08:55:20	32.23	27.764	119.0	
		*** End of Period 2 ***		
		*** Start of Period 3 ***		
08:55:52	0.00	28.895	119.0	
08:56:56	1.07	31.967	119.0	
08:57:00				TOOL OPEN - NO BUBBLE
08:57:53	2.01	35.686	119.0	
08:58:53	3.02	35.363	119.0	
08:59:53	4.03	35.848	119.0	

PRESSURE VS TIME

MECHANICAL gauge no.: 2170  
Clock no.:

Gauge Depth: 3286.27 ft  
48

Hour:

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS
-----				
2-SEP-90				Data Print Frequency: 1
09:00:54	5.04	36.333	119.0	
09:05:52	10.01	39.890	119.0	
09:10:55	15.05	43.771	119.0	
09:15:00				TOOL OPEN - NO BUBBLE
09:15:53	20.03	47.651	119.0	
09:20:52	25.00	52.017	119.0	
09:24:11	28.32	54.765	119.0	
09:25:00				TOOL CLOSED
				*** End of Period 3 ***
				*** Start of Period 4 ***
09:25:11	1.01	55.897	119.0	
09:26:12	2.01	56.059	119.0	
09:29:13	5.04	56.059	119.0	
09:34:12	10.01	56.059	119.0	
09:39:14	15.05	56.059	119.0	
09:44:13	20.03	56.059	119.0	
09:49:11	25.00	56.059	119.0	
09:54:13	30.04	56.059	119.0	
09:55:00				PULL FREE
09:55:49	31.64	56.059	119.0	
				*** End of Period 4 ***
10:00:48		57.029	119.0	
10:14:11		57.352	119.0	
10:17:00				DST#5 F.HYDROSTATIC 1619.9psia
10:19:00				END OF DST#5
10:20:00				RUN 24 STANDS OF DRILL PIPE
10:20:00				FOR DST#6
10:34:13		57.837	119.0	
10:54:11		57.837	119.0	
11:14:13		57.837	119.0	
11:25:00				DST#6 HYDROSTATIC 2713.3psia
11:34:00				START TO ROTATE
11:34:14		57.837	119.0	
11:54:12		57.837	119.0	
12:05:00				PACKERS WILL NOT TAKE WEIGHT
12:14:14		57.837	119.0	
12:20:00				START TO ROTATE
12:34:12		57.837	119.0	
12:48:00				PACKERS SET
12:52:00				RIG UP SURFACE EQUIPMENT
12:54:13		57.837	119.0	
13:04:00				SET WEIGHT ON TOOL
13:14:12		57.837	119.0	
13:19:00				HYDROSPRING WILL NOT OPEN
13:20:00				SET WEIGHT ON TOOL
13:30:00				HYDROSPRING WILL NOT OPEN



Date: 2-9-90

Ticket No: 359407

Page No: 3.3.3

PRESSURE VS TIME

MECHANICAL gauge no.: 2170  
Clock no.:

Gauge Depth: 3286.27 ft  
48

Hour:

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

Data Print Frequency: 1

13:30:00				PULL OUT OF HOLE
13:30:00				END OF DST#6
13:34:13		57.837	119.0	
13:54:11		57.837	119.0	
14:14:13		57.837	119.0	
14:34:11		57.837	119.0	
14:54:12		57.837	119.0	
15:14:14		57.837	119.0	
15:34:12		57.837	119.0	
15:54:14		57.837	119.0	
16:10:00				TOOLS AT FLOOR
16:14:12		57.837	119.0	
16:28:28		57.837	119.0	
16:29:22		37.303	119.0	
16:33:16		17.254	119.0	
16:44:18		16.769	119.0	
16:57:45		15.798	119.0	
17:06:20		14.828	119.0	
17:08:14		14.020	119.0	
17:09:11		13.535	119.0	
17:09:43		13.535	119.0	
17:30:00				TOOLS LAID OUT

TEST PERIOD SUMMARY

Gauge No.: 71678 Depth: 3297.72 ft Blanked off: No

ID	PERIOD	DESCRIPTION	PRESSURE (psi)	DURATION (min)
A		Initial Hydrostatic	1641.20	
B	1	Start Draw-down	28.63	
C		End Draw-down	37.38	5.52
C	2	Start Build-up	37.38	
D		End Build-up	1271.64	32.88
E	3	Start Draw-down	42.48	
F		End Draw-down	65.98	27.84
F	4	Start Build-up	65.98	
G		End Build-up	1084.23	31.68
H		Final Hydrostatic	1619.93	

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

PE906573

This is an enclosure indicator page.  
The enclosure PE906573 is enclosed within the  
container PE903710 at this location in this  
document.

The enclosure PE906573 has the following characteristics:

- ITEM\_BARCODE = PE906573
- CONTAINER\_BARCODE = PE903710
- NAME = DST Pressure/Temperature Plot, 1 of 2
- BASIN = OTWAY
- PERMIT = PEP105
- TYPE = WELL
- SUBTYPE = DST
- DESCRIPTION = DST-5,6 Pressure/Temperature Plot, 2 of  
2, Appendix 16, Pine Lodge-1
- REMARKS =
- DATE\_CREATED = 02/09/1990
- DATE\_RECEIVED =
- W\_NO = W1034
- WELL\_NAME = PINE LODGE-1
- CONTRACTOR = HALLIBURTON SERVICES
- CLIENT\_OP\_CO = GAS AND FUEL EXPLORATION NL

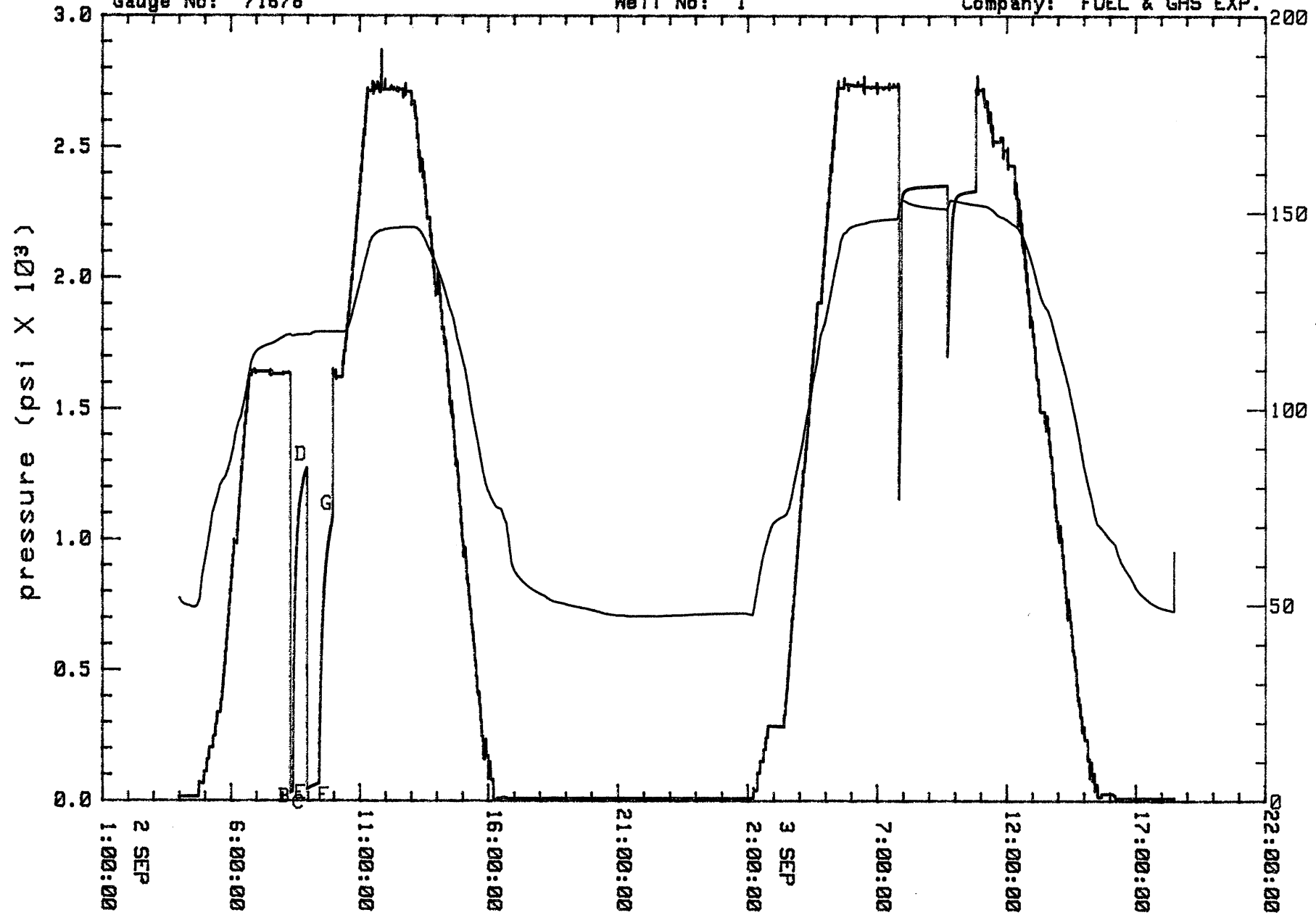
(Inserted by DNRE - Vic Govt Mines Dept)

# Pressure/Temperature History

Test No: 5-6  
Gauge No: 71678

Well No: 1

Company: FUEL & GAS EXP.



Date: 2-9-90

Ticket No: 359407

Page No: 4.1.1

PRESSURE VS TIME

GRC gauge no.: 71678

Gauge Depth: 3297.72 ft

Memory Recorder No.: 71362

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

Data Print Frequency: 40

01:15:00				SURFACE PRESSURE = PSIG
01:15:00				MAKE UP TOOLS
01:15:00				START OF DST#5
03:58:00				START GRC-EMR710 GAUGE #71678
04:00:00				RUN IN HOLE
04:08:13		15.313	50.4	
04:17:49		15.176	49.9	
04:27:25		15.048	49.5	
04:37:01		14.172	49.5	
04:46:37		68.588	51.4	
04:56:13		65.391	59.5	
05:05:49		158.756	65.4	
05:15:25		203.363	72.4	
05:25:01		291.193	76.6	
05:34:37		337.565	80.5	
05:44:13		479.172	82.4	
05:53:49		685.255	85.1	
06:03:25		898.624	89.2	
06:13:01		986.150	94.8	
06:22:37		1207.095	98.0	
06:32:13		1397.672	102.9	
06:41:49		1582.022	108.7	
06:51:25		1641.417	113.2	
07:01:01		1641.453	114.9	
07:10:37		1642.141	115.7	
07:20:13		1641.486	116.2	
07:25:00				DST#5 I.HYDROSTATIC 1641.2psia
07:29:49		1640.953	116.5	
07:36:00				START TO ROTATE
07:39:25		1633.025	116.9	
07:49:01		1631.227	117.5	
07:58:37		1632.099	118.2	
08:04:00				RIG UP SURFACE EQUIPMENT
08:08:13		1635.545	118.7	
08:15:00				SET WEIGHT ON TOOL
08:17:49		1635.524	118.9	
08:18:00				TOOL OPEN - NO BUBBLE

Date: 2-9-90

Ticket No: 359407

Page No: 4.1.2

PRESSURE VS TIME

GRC gauge no.: 71678

Gauge Depth: 3297.72 ft

Memory Recorder No.: 71362

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

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2-SEP-90

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

08:18:46	0.00	28.629	118.9	
08:19:01	0.24	29.371	118.8	
08:19:15	0.48	29.927	118.8	
08:19:29	0.72	30.389	118.8	
08:19:44	0.96	30.914	118.8	
08:19:58	1.20	31.470	118.8	
08:20:13	1.44	31.932	118.7	
08:20:27	1.68	32.364	118.7	
08:20:41	1.92	32.826	118.7	
08:20:56	2.16	33.165	118.7	
08:21:10	2.40	33.534	118.7	
08:21:25	2.64	33.872	118.7	
08:21:39	2.88	34.180	118.6	
08:21:53	3.12	34.518	118.6	
08:22:08	3.36	34.794	118.6	
08:22:22	3.60	35.132	118.6	
08:22:37	3.84	35.440	118.6	
08:22:51	4.08		118.5	
08:23:05	4.32	35.968	118.6	
08:23:20	4.56	36.188	118.6	
08:23:34	4.80	36.469	118.6	
08:23:49	5.04	36.751	118.6	
08:24:00				TOOL CLOSED
08:24:03	5.28	37.063	118.6	
08:24:17	5.52	37.376	118.6	

\*\*\* End of Period 1 \*\*\*

PRESSURE VS TIME

GRC gauge no.: 71678

Gauge Depth: 3297.72 ft

Memory Recorder No.: 71362

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS
-----				
2-SEP-90				Data Print Frequency: 2
				*** Start of Period 2 ***
08:24:32	0.24	54.000	118.6	
08:25:01	0.72	161.803	118.6	
08:25:29	1.20	268.532	118.7	
08:25:58	1.68	358.688	118.7	
08:26:27	2.16	435.467	118.7	
08:26:56	2.64	502.130	118.7	
08:27:25	3.12	560.468	118.8	
08:27:53	3.60	612.392	118.8	
08:28:22	4.08	659.105	118.8	
08:28:51	4.56		118.8	
08:29:20	5.04	738.763	118.8	
08:29:49	5.52	772.753	118.8	
08:30:17	6.00	804.003	118.8	
08:30:46	6.48	833.015	118.9	
08:31:15	6.96	860.070	118.9	
08:31:44	7.44	884.778	118.9	
08:32:13	7.92	907.549	118.9	
08:32:41	8.40	928.443	118.9	
08:33:10	8.88	947.712	118.9	
08:33:39	9.36	965.578	118.9	
08:34:08	9.84	982.232	118.9	
08:34:37	10.32	997.800	118.9	
08:35:05	10.80	1012.312	118.9	
08:35:34	11.28	1025.993	118.9	
08:36:03	11.76	1038.810	118.9	
08:36:32	12.24	1050.857	118.9	
08:37:01	12.72	1062.198	118.9	
08:37:29	13.20	1072.931	118.9	
08:37:58	13.68	1083.020	118.9	
08:38:27	14.16	1092.661	119.0	
08:38:56	14.64	1101.852	119.0	
08:39:25	15.12	1110.495	119.0	
08:39:53	15.60	1118.721	119.0	
08:40:22	16.08	1126.592	119.0	
08:40:51	16.56		119.0	
08:41:20	17.04	1141.045	119.0	
08:41:49	17.52	1147.886	119.0	
08:42:17	18.00	1154.468	119.0	
08:42:46	18.48	1160.728	119.0	
08:43:15	18.96	1166.698	119.0	
08:43:44	19.44	1172.539	119.0	
08:44:13	19.92	1178.024	119.0	
08:44:41	20.40	1183.315	119.0	
08:45:10	20.88	1188.348	119.0	
08:45:39	21.36	1193.219	119.0	

Date: 2-9-90

Ticket No: 359407

Page No: 4.1.4

PRESSURE VS TIME

GRC gauge no.: 71678

Gauge Depth: 3297.72 ft

Memory Recorder No.: 71362

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

2-SEP-90

Data Print Frequency: 2

08:46:08	21.84	1197.994	119.0	
08:46:37	22.32	1202.282	119.0	
08:47:05	22.80	1206.702	119.0	
08:47:34	23.28	1210.991	119.0	
08:48:03	23.76	1215.022	119.0	
08:48:32	24.24	1218.956	119.0	
08:49:01	24.72	1222.727	119.0	
08:49:29	25.20	1226.467	119.0	
08:49:58	25.68	1230.109	119.0	
08:50:27	26.16	1233.557	119.0	
08:50:56	26.64	1236.876	119.0	
08:51:25	27.12	1240.032	119.0	
08:51:53	27.60	1243.286	119.0	
08:52:22	28.08	1246.247	119.0	
08:52:51	28.56		119.0	
08:53:20	29.04	1250.543	119.0	
08:53:49	29.52	1253.440	119.0	
08:54:17	30.00	1256.304	119.0	
08:54:46	30.48	1258.908	119.0	
08:55:15	30.96	1261.676	119.0	
08:55:44	31.44	1264.313	119.0	
08:56:13	31.92	1266.821	119.0	
08:56:41	32.40	1269.296	119.0	
08:57:00				TOOL OPEN - NO BUBBLE
08:57:10	32.88	1271.641	119.0	
08:57:10	32.88	1271.641		

\*\*\* End of Period 2 \*\*\*

Data Print Frequency: 40

08:57:25		334.909	119.0	
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PRESSURE VS TIME

GRC gauge no.: 71678  
Memory Recorder No.: 71362

Gauge Depth: 3297.72 ft

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS
-----				
2-SEP-90				
				Data Print Frequency: 2
				*** Start of Period 3 ***
08:57:39	0.00	42.481	119.0	
08:58:08	0.48	43.413	119.0	
08:58:37	0.96	44.066	119.0	
08:59:05	1.44	44.718	119.0	
08:59:34	1.92	45.338	119.0	
09:00:03	2.40	45.959	119.0	
09:00:32	2.88	46.518	119.0	
09:01:01	3.36	47.077	119.0	
09:01:29	3.84	47.636	119.0	
09:01:58	4.32	48.132	119.0	
09:02:27	4.80	48.660	119.0	
09:02:56	5.28	49.188	119.0	
09:03:25	5.76	49.653	119.0	
09:03:53	6.24	50.119	119.0	
09:04:22	6.72	50.585	119.0	
09:04:51	7.20		119.0	
09:05:20	7.68	51.617	119.0	
09:05:49	8.16	52.183	119.1	
09:06:17	8.64	52.500	119.1	
09:06:46	9.12	52.787	119.1	
09:07:15	9.60	53.104	119.2	
09:07:44	10.08	53.390	119.2	
09:08:13	10.56	53.738	119.3	
09:08:41	11.04	54.118	119.3	
09:09:10	11.52	54.497	119.3	
09:09:39	12.00	54.846	119.4	
09:10:08	12.48	55.194	119.4	
09:10:37	12.96	55.604	119.4	
09:11:05	13.44	55.950	119.5	
09:11:34	13.92	56.327	119.5	
09:12:03	14.40	56.672	119.5	
09:12:32	14.88	57.048	119.5	
09:13:01	15.36	57.424	119.5	
09:13:29	15.84	57.800	119.6	
09:13:58	16.32	58.238	119.6	
09:14:27	16.80	58.615	119.6	
09:14:56	17.28	58.928	119.6	
09:15:00				TOOL OPEN - NO BUBBLE
09:15:25	17.76	59.242	119.6	
09:15:53	18.24	59.556	119.6	
09:16:22	18.72	59.870	119.7	
09:16:51	19.20		119.7	
09:17:20	19.68	60.527	119.7	
09:17:49	20.16	60.901	119.7	
09:18:17	20.64	61.244	119.7	

Date: 2-9-90

Ticket No: 359407

Page No: 4.1.6

PRESSURE VS TIME

GRC gauge no.: 71678

Gauge Depth: 3297.72 ft

Memory Recorder No.: 71362

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

Data Print Frequency: 2

09:18:46	21.12	61.556	119.7	
09:19:15	21.60	61.899	119.7	
09:19:44	22.08	62.242	119.7	
09:20:13	22.56	62.554	119.7	
09:20:41	23.04	62.897	119.7	
09:21:10	23.52	63.208	119.7	
09:21:39	24.00	63.551	119.7	
09:22:08	24.48	63.863	119.7	
09:22:37	24.96	64.237	119.8	
09:23:05	25.44	64.549	119.8	
09:23:34	25.92	64.922	119.8	
09:24:03	26.40	65.233	119.8	
09:24:32	26.88	65.420	119.8	
09:25:00				TOOL CLOSED
09:25:01	27.36	65.669	119.8	
09:25:29	27.84	65.980	119.8	
09:25:29	27.84	65.980		

TOOL CLOSED

\*\*\* End of Period 3 \*\*\*

Date: 2-9-90

Ticket No: 359407

Page No: 4.1.7

PRESSURE VS TIME

GRC gauge no.: 71678

Gauge Depth: 3297.72 ft

Memory Recorder No.: 71362

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS
-----				
2-SEP-90				Data Print Frequency: 2
				*** Start of Period 4 ***
09:25:44	0.24	85.451	119.8	
09:26:13	0.72	136.939	119.8	
09:26:41	1.20	191.189	119.8	
09:27:10	1.68	243.019	119.8	
09:27:39	2.16	290.720	119.8	
09:28:08	2.64	335.054	119.8	
09:28:37	3.12	376.066	119.8	
09:29:05	3.60	414.305	119.8	
09:29:34	4.08	449.823	119.8	
09:30:03	4.56	483.178	119.7	
09:30:32	5.04	514.108	119.7	
09:31:01	5.52	542.921	119.7	
09:31:29	6.00	569.672	119.7	
09:31:58	6.48	594.642	119.7	
09:32:27	6.96	618.207	119.7	
09:32:56	7.44	640.361	119.7	
09:33:25	7.92	661.166	119.7	
09:33:53	8.40	680.491	119.7	
09:34:22	8.88	698.970	119.7	
09:34:51	9.36		119.7	
09:35:20	9.84	733.223	119.7	
09:35:49	10.32	749.121	119.7	
09:36:17	10.80	764.262	119.7	
09:36:46	11.28	778.676	119.7	
09:37:15	11.76	792.395	119.7	
09:37:44	12.24	805.449	119.7	
09:38:13	12.72	817.965	119.7	
09:38:41	13.20	829.910	119.7	
09:39:10	13.68	841.413	119.7	
09:39:39	14.16	852.503	119.7	
09:40:08	14.64	863.021	119.6	
09:40:37	15.12	873.222	119.6	
09:41:05	15.60	882.978	119.6	
09:41:34	16.08	892.320	119.6	
09:42:03	16.56	901.344	119.6	
09:42:32	17.04	910.050	119.6	
09:43:01	17.52	918.405	119.6	
09:43:29	18.00	926.538	119.6	
09:43:58	18.48	934.416	119.6	
09:44:27	18.96	942.007	119.6	
09:44:56	19.44	949.246	119.6	
09:45:25	19.92	956.294	119.6	
09:45:53	20.40	963.151	119.6	
09:46:22	20.88	969.849	119.6	
09:46:51	21.36		119.6	

Date: 2-9-90

Ticket No: 359407

Page No: 4.1.8

PRESSURE VS TIME

GRC gauge no.: 71678

Gauge Depth: 3297.72 ft

Memory Recorder No.: 71362

TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS
-----				
2-SEP-90				Data Print Frequency: 2
09:47:20	21.84	982.540	119.6	
09:47:49	22.32	988.566	119.6	
09:48:17	22.80	994.464	119.6	
09:48:46	23.28	1000.234	119.6	
09:49:15	23.76	1005.813	119.6	
09:49:44	24.24	1011.295	119.6	
09:50:13	24.72	1016.586	119.6	
09:50:41	25.20	1021.780	119.6	
09:51:10	25.68	1026.814	119.6	
09:51:39	26.16	1031.720	119.6	
09:52:08	26.64	1036.466	119.6	
09:52:37	27.12	1041.115	119.6	
09:53:05	27.60	1045.637	119.6	
09:53:34	28.08	1050.062	119.6	
09:54:03	28.56	1054.359	119.6	
09:54:32	29.04	1058.592	119.6	
09:55:00				PULL FREE
09:55:01	29.52	1062.696	119.7	
09:55:29	30.00	1066.704	119.7	
09:55:58	30.48	1070.551	119.7	
09:56:27	30.96	1074.270	119.7	
09:56:56	31.44	1083.066	119.7	
09:57:10	31.68	1084.230		
				*** End of Period 4 ***
				Data Print Frequency: 40
09:57:25		1170.857	119.7	
10:07:01		1621.686	119.7	
10:16:37		1620.067	119.6	
10:17:00				DST#5 F.HYDROSTATIC 1619.9psia
10:19:00				END OF DST#5
10:20:00				RUN 24 STANDS OF DRILL PIPE
10:20:00				FOR DST#6
10:26:13		1717.587	119.9	
10:35:49		1898.324	122.1	
10:45:25		2034.060	126.0	
10:55:01		2223.208	130.1	
11:04:37		2441.756	134.5	
11:14:13		2637.457	138.8	
11:23:49		2713.679	142.6	
11:25:00				DST#6 HYDROSTATIC 2713.3psia
11:33:25		2725.254	144.3	
11:34:00				START TO ROTATE
11:43:01		2743.998	145.2	
11:52:37		2719.155	145.5	
12:02:13		2718.813	145.9	
12:05:00				PACKERS WILL NOT TAKE WEIGHT

Date: 2-9-90

Ticket No: 359407

Page No: 4.1.9

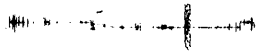
PRESSURE VS TIME

GRC gauge no.: 71678


Gauge Depth: 3297.72 ft

Memory Recorder No.: 71362

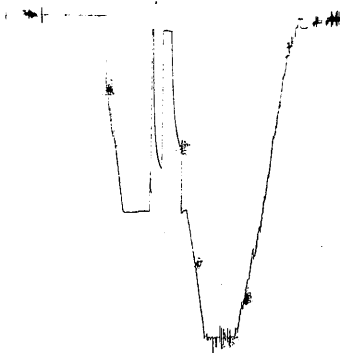
TIME HH:MM:SS	D TIME (min)	PRESSURE (psi)	TEMP (F)	COMMENTS
-----				
2-SEP-90		Data Print Frequency: 40		
12:11:49		2719.909	146.0	
12:20:00				START TO ROTATE
12:21:25		2720.526	146.1	
12:31:01		2730.049	146.2	
12:40:37		2729.398	146.3	
12:48:00				PACKERS SET
12:50:13		2710.835	146.3	
12:52:00				RIG UP SURFACE EQUIPMENT
12:59:49		2709.328	146.3	
13:04:00				SET WEIGHT ON TOOL
13:09:25		2655.830	146.1	
13:19:00				HYDROSPRING WILL NOT OPEN
13:19:01		2483.214	145.4	
13:20:00				SET WEIGHT ON TOOL
13:28:37		2401.392	143.7	
13:30:00				HYDROSPRING WILL NOT OPEN
13:30:00				PULL OUT OF HOLE
13:30:00				END OF DST#6
13:38:13		2210.085	141.4	
13:47:49		2147.248	139.4	
13:57:25		1958.278	136.7	
14:07:01		1935.514	133.6	
14:16:37		1751.943	130.4	
14:26:13		1647.696	126.7	
14:35:49		1483.211	123.5	
14:45:25		1314.982	118.6	
14:55:01		1123.525	114.3	
15:04:37		962.350	110.1	
15:14:13		811.221	103.9	
15:23:49		644.471	97.5	
15:33:25		457.963	92.1	
15:43:01		306.865	86.2	
15:52:37		163.635	80.9	
16:02:13		147.950	78.1	
16:10:00				TOOLS AT FLOOR
16:11:49		44.701	75.9	
16:21:25		8.875	74.7	
16:31:01		9.164	73.6	
16:40:37		9.036	70.8	
16:50:13		8.096	62.9	
16:59:49		8.506	58.6	
17:09:25		8.662	57.1	
17:19:01		8.660	55.9	
17:28:37		8.719	54.9	
17:30:00				TOOLS LAID OUT
17:38:13		8.688	54.0	



Flow Level DST # 516  
Fork & Gas Exploration Pine Loggs #1.  
BT # 2170 Clock # 6783 48 HR.  
Hi # 359407.



Flow Level DST # 516  
Fork & Gas Exploration Pine Loggs #1.  
BT # 7984 Clock # 14273 48 HR.  
Hi # 359407.



Flow Level DST # 516  
Fork & Gas Exploration Pine Loggs #1.  
BT # 7483 Clock # 30121 48 HR.  
Hi # 359407.