

67 5/82

171307

SHELLY-SUN INTERNATIONAL INC.  
MAGNETIC RECORDING PRESSURE GAUGE REPORT

BRITISH PETROLEUM  
WILDCAT  
29/6-1

OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NOR

DST 2, RUN 1. GAUGE 0039, SENSING DEPTH 4254.98 M. (TEMPERATURE SURVEY)

| DELTA TIME | TEMPERATURE | TIME  | DATE     |
|------------|-------------|-------|----------|
| 0.000      | 288.9       | 11: 8 | 24- 4-82 |
| 0.067      | 288.9       | 11:12 |          |
| 0.133      | 288.9       | 11:16 |          |
| 0.200      | 288.9       | 11:20 |          |
| 0.267      | 288.9       | 11:24 |          |
| 0.333      | 288.9       | 11:28 |          |
| 0.400      | 288.9       | 11:32 |          |
| 0.467      | 288.9       | 11:36 |          |
| 0.533      | 288.9       | 11:40 |          |
| 0.600      | 288.9       | 11:44 |          |
| 0.667      | 288.9       | 11:48 |          |
| 0.733      | 289.6       | 11:52 |          |
| 0.800      | 289.6       | 11:56 |          |
| 0.867      | 290.3       | 12: 0 |          |
| 0.933      | 290.3       | 12: 4 |          |
| 1.000      | 290.3       | 12: 8 |          |
| 1.067      | 290.3       | 12:12 |          |
| 1.133      | 289.6       | 12:16 |          |
| 1.200      | 289.6       | 12:20 |          |
| 1.267      | 289.6       | 12:24 |          |
| 1.333      | 289.6       | 12:28 |          |
| 1.400      | 289.6       | 12:32 |          |
| 1.467      | 290.3       | 12:36 |          |
| 1.533      | 290.3       | 12:40 |          |
| 1.600      | 290.3       | 12:44 |          |
| 1.667      | 290.3       | 12:48 |          |
| 1.733      | 290.3       | 12:52 |          |
| 1.800      | 290.3       | 12:56 |          |
| 1.867      | 290.3       | 13: 0 |          |
| 1.933      | 290.3       | 13: 4 |          |
| 2.000      | 290.3       | 13: 8 |          |
| 2.067      | 290.3       | 13:12 |          |
| 2.133      | 290.3       | 13:16 |          |
| 2.200      | 289.6       | 13:20 |          |
| 2.267      | 290.3       | 13:24 |          |
| 2.333      | 290.3       | 13:28 |          |
| 2.400      | 290.3       | 13:32 |          |
| 2.467      | 290.3       | 13:36 |          |
| 2.533      | 289.6       | 13:40 |          |
| 2.600      | 290.3       | 13:44 |          |
| 2.667      | 290.3       | 13:48 |          |
| 2.733      | 289.6       | 13:52 |          |
| 2.800      | 290.3       | 13:56 |          |
| 2.867      | 290.3       | 14: 0 |          |
| 2.933      | 290.3       | 14: 4 |          |
| 3.000      | 290.3       | 14: 8 |          |

**EXPLORATION LIBRARY**  
NOR 29/6-1 Wildcat Cop 2

OPEN APR-N VALVE AT 11:58  
OPEN ON ADJ CHOKE AT 12:02  
SHUT IN CHOKE AT 12:04  
CLOSE APR-N AT 12:12

OPEN APR-N AT 12:27

OPEN ON 8/64" A.C. AT 13:01  
SHUT IN, 13:02 (NO INDICATION  
OF APR-N VALVE OPENING)

OPEN ON 32/64" A.C. AT 13:25  
SHUT IN AT 13:26

OPEN AND CLOSE ON 32/64" A.C.

BRITISH PETROLEUM  
WILDCAT  
2976-1

OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NOR

DST 2; RUN 1. GAUGE 0039; SENSING DEPTH 4254.98 M. (TEMPERATURE SURVEY)

| DELTA<br>TIME | TEMPERATURE | TIME  | DATE     |
|---------------|-------------|-------|----------|
| 3.067         | 290.3       | 14:12 | 24- 4-82 |
| 3.133         | 290.3       | 14:16 |          |
| 3.200         | 290.3       | 14:20 |          |
| 3.267         | 290.3       | 14:24 |          |
| 3.333         | 290.3       | 14:28 |          |
| 3.400         | 289.6       | 14:32 |          |
| 3.467         | 289.6       | 14:36 |          |
| 3.533         | 289.6       | 14:40 |          |
| 3.600         | 289.6       | 14:44 |          |
| 3.667         | 290.3       | 14:48 |          |
| 3.733         | 289.6       | 14:52 |          |
| 3.800         | 289.6       | 14:56 |          |
| 3.867         | 289.6       | 15: 0 |          |
| 4.000         | 289.6       | 15: 8 |          |
| 4.067         | 289.6       | 15:12 |          |
| 4.133         | 289.6       | 15:16 |          |
| 4.200         | 289.6       | 15:20 |          |
| 4.267         | 289.6       | 15:24 |          |
| 4.333         | 289.6       | 15:28 |          |
| 4.400         | 289.6       | 15:32 |          |
| 4.467         | 289.6       | 15:36 |          |
| 4.533         | 289.6       | 15:40 |          |
| 4.600         | 289.6       | 15:44 |          |
| 4.667         | 289.6       | 15:48 |          |
| 4.733         | 289.6       | 15:52 |          |
| 4.800         | 289.6       | 15:56 |          |
| 4.867         | 289.6       | 16: 0 |          |
| 4.933         | 289.6       | 16: 4 |          |
| 5.000         | 289.6       | 16: 8 |          |
| 5.067         | 289.6       | 16:12 |          |
| 5.133         | 289.6       | 16:16 |          |
| 5.200         | 289.6       | 16:20 |          |
| 5.267         | 289.6       | 16:24 |          |
| 5.333         | 289.6       | 16:28 |          |
| 5.400         | 289.6       | 16:32 |          |
| 5.467         | 289.6       | 16:36 |          |
| 5.533         | 289.6       | 16:40 |          |
| 5.600         | 289.6       | 16:44 |          |
| 5.667         | 289.6       | 16:48 |          |
| 5.733         | 289.6       | 16:52 |          |
| 5.800         | 289.6       | 16:56 |          |
| 5.867         | 289.6       | 17: 0 |          |
| 5.933         | 289.6       | 17: 4 |          |
| 6.000         | 289.6       | 17: 8 |          |
| 6.067         | 289.6       | 17:12 |          |
| 6.133         | 289.6       | 17:16 |          |
| 6.200         | 289.6       | 17:20 |          |

BRITISH PETROLEUM  
WILDCAT  
2976-1OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NOR

DST 2, RUN 1. GAUGE 0039, SENSING DEPTH 4254.98 M. (TEMPERATURE SURVEY)

| DELTA<br>TIME | TEMPERATURE | TIME  | DATE                         |
|---------------|-------------|-------|------------------------------|
| 6.267         | 289.6       | 17:24 | 24- 4-82                     |
| 6.333         | 289.6       | 17:28 |                              |
| 6.400         | 289.6       | 17:32 |                              |
| 6.467         | 289.6       | 17:36 |                              |
| 6.533         | 289.6       | 17:40 |                              |
| 6.600         | 289.6       | 17:44 |                              |
| 6.667         | 289.6       | 17:48 | SHUT IN CHOKE AT 17:46       |
| 6.733         | 289.6       | 17:52 |                              |
| 6.800         | 289.6       | 17:56 |                              |
| 6.867         | 289.6       | 18: 0 |                              |
| 6.933         | 289.6       | 18: 4 |                              |
| 7.000         | 289.6       | 18: 8 |                              |
| 7.067         | 289.6       | 18:12 |                              |
| 7.133         | 289.6       | 18:16 |                              |
| 7.200         | 289.6       | 18:20 | OPEN ON 32/64" A.C. AT 18:20 |
| 7.267         | 289.6       | 18:24 | SHUT IN AT 18:22             |
| 7.333         | 289.6       | 18:28 |                              |
| 7.400         | 289.6       | 18:32 |                              |
| 7.467         | 289.6       | 18:36 |                              |
| 7.533         | 289.6       | 18:40 |                              |
| 7.600         | 289.6       | 18:44 |                              |
| 7.667         | 289.6       | 18:48 |                              |
| 7.733         | 289.6       | 18:52 |                              |
| 7.800         | 289.6       | 18:56 |                              |
| 7.867         | 289.6       | 19: 0 |                              |
| 7.933         | 289.6       | 19: 4 |                              |
| 8.000         | 289.6       | 19: 8 |                              |
| 8.067         | 289.6       | 19:12 |                              |
| 8.133         | 289.6       | 19:16 |                              |
| 8.200         | 289.6       | 19:20 |                              |
| 8.267         | 289.6       | 19:24 |                              |
| 8.333         | 289.6       | 19:28 |                              |
| 8.400         | 289.6       | 19:32 |                              |
| 8.467         | 289.6       | 19:36 |                              |
| 8.533         | 289.6       | 19:40 |                              |
| 8.600         | 289.6       | 19:44 |                              |
| 8.667         | 289.6       | 19:48 |                              |
| 8.733         | 289.6       | 19:52 |                              |
| 8.800         | 289.6       | 19:56 |                              |
| 8.933         | 290.3       | 20: 4 |                              |
| 9.000         | 290.3       | 20: 8 |                              |
| 9.067         | 290.3       | 20:12 |                              |
| 9.133         | 289.6       | 20:16 |                              |
| 9.200         | 289.6       | 20:20 |                              |
| 9.267         | 290.3       | 20:24 |                              |
| 9.333         | 290.3       | 20:28 |                              |
| 9.400         | 289.6       | 20:32 |                              |

BRITISH PETROLEUM  
WILDCAT  
2976-1OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NOR

DST 2, RUN 1, GAUGE 0039, SENSING DEPTH 4254.98 M. (TEMPERATURE SURVEY)

| DELTA<br>TIME | TEMPERATURE | TIME  | DATE     |
|---------------|-------------|-------|----------|
| 9.467         | 290.3       | 20:36 | 24- 4-82 |
| 9.533         | 290.3       | 20:40 |          |
| 9.600         | 290.3       | 20:44 |          |
| 9.667         | 290.3       | 20:48 |          |
| 9.733         | 289.6       | 20:52 |          |
| 9.800         | 289.6       | 20:56 |          |
| 9.867         | 289.6       | 21: 0 |          |
| 9.933         | 289.6       | 21: 4 |          |
| 10.000        | 290.3       | 21: 8 |          |
| 10.067        | 290.3       | 21:12 |          |
| 10.133        | 290.3       | 21:16 |          |
| 10.200        | 290.3       | 21:20 |          |
| 10.267        | 290.3       | 21:24 |          |
| 10.333        | 290.3       | 21:28 |          |
| 10.400        | 290.3       | 21:32 |          |
| 10.467        | 290.3       | 21:36 |          |
| 10.533        | 290.3       | 21:40 |          |
| 10.600        | 290.3       | 21:44 |          |
| 10.667        | 290.3       | 21:48 |          |
| 10.733        | 290.3       | 21:52 |          |
| 10.800        | 288.9       | 21:56 |          |
| 10.867        | 289.6       | 22: 0 |          |
| 10.933        | 289.6       | 22: 4 |          |
| 11.000        | 289.6       | 22: 8 |          |
| 11.067        | 290.3       | 22:12 |          |
| 11.133        | 290.3       | 22:16 |          |
| 11.200        | 290.3       | 22:20 |          |
| 11.267        | 290.3       | 22:24 |          |
| 11.333        | 290.3       | 22:28 |          |
| 11.400        | 290.3       | 22:32 |          |
| 11.467        | 290.3       | 22:36 |          |
| 11.533        | 291.0       | 22:40 |          |
| 11.600        | 291.0       | 22:44 |          |
| 11.667        | 291.0       | 22:48 |          |
| 11.733        | 291.0       | 22:52 |          |
| 11.800        | 291.0       | 22:56 |          |
| 11.867        | 291.0       | 23: 0 |          |
| 11.933        | 291.0       | 23: 4 |          |
| 12.000        | 291.0       | 23: 8 |          |
| 12.067        | 290.3       | 23:12 |          |
| 12.133        | 290.3       | 23:16 |          |
| 12.200        | 290.3       | 23:20 |          |
| 12.267        | 290.3       | 23:24 |          |
| 12.333        | 290.3       | 23:28 |          |
| 12.400        | 290.3       | 23:32 |          |
| 12.467        | 290.3       | 23:36 |          |
| 12.533        | 290.3       | 23:40 |          |

OPEN APR-N VALVE AT 21:52  
CLOSE CHOKE MANIFOLD  
AT 21:54

OPEN ON 8/64" A.C. AT 23:09  
SHUT IN AT 23:10  
OPEN ON 8/64" A.C. AT 23:18  
SHUT IN AT 23:20  
OPEN ON 2/64" A.C. AT 23:21  
CHANGE TO 3/64" A.C. AT 23:24  
CHANGE TO 2/64" A.C. AT 23:29  
CHANGE TO 3/64" A.C. AT 23:32  
CHANGE TO 2/64" A.C. AT 23:40

BRITISH PETROLEUM  
WILDCAT  
29/6-1OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NOR

DST 2, RUN 1. GAUGE 0039, SENSING DEPTH 4254.98 M. (TEMPERATURE SURVEY)

| DELTA<br>TIME | TEMPERATURE | TIME  | DATE     |                               |
|---------------|-------------|-------|----------|-------------------------------|
| 12.600        | 291.0       | 23:44 | 24- 4-82 | CHANGE TO 3/64" A.C. AT 23:42 |
| 12.667        | 291.0       | 23:48 |          |                               |
| 12.733        | 291.0       | 23:52 |          |                               |
| 12.800        | 291.0       | 23:56 |          |                               |
| 12.867        | 291.0       | 0: 0  | 25- 4-82 |                               |
| 12.933        | 291.0       | 0: 4  |          | CHANGE TO 4/64" A.C. AT 00:04 |
| 13.000        | 291.7       | 0: 8  |          |                               |
| 13.067        | 291.7       | 0:12  |          |                               |
| 13.133        | 292.4       | 0:16  |          |                               |
| 13.200        | 293.1       | 0:20  |          | CHANGE TO 8/64" A.C. AT 00:20 |
| 13.267        | 293.8       | 0:24  |          | CHANGE TO 5/64" A.C. AT 00:23 |
| 13.333        | 295.2       | 0:28  |          |                               |
| 13.400        | 295.2       | 0:32  |          | CHANGE TO 4/64" A.C. AT 00:31 |
| 13.467        | 294.5       | 0:36  |          | CHANGE TO 3/64" A.C. AT 00:32 |
| 13.533        | 295.9       | 0:40  |          |                               |
| 13.600        | 297.3       | 0:44  |          |                               |
| 13.667        | 298.0       | 0:48  |          |                               |
| 13.733        | 298.0       | 0:52  |          |                               |
| 13.800        | 298.0       | 0:56  |          |                               |
| 13.867        | 298.0       | 1: 0  |          |                               |
| 13.933        | 298.0       | 1: 4  |          |                               |
| 14.000        | 298.0       | 1: 8  |          |                               |
| 14.067        | 298.0       | 1:12  |          |                               |
| 14.133        | 298.0       | 1:16  |          |                               |
| 14.200        | 298.0       | 1:20  |          |                               |
| 14.267        | 298.0       | 1:24  |          | CHANGE TO 4/64" A.C. AT 01:22 |
| 14.333        | 298.0       | 1:28  |          |                               |
| 14.400        | 298.0       | 1:32  |          |                               |
| 14.467        | 298.8       | 1:36  |          |                               |
| 14.533        | 298.8       | 1:40  |          |                               |
| 14.600        | 298.8       | 1:44  |          |                               |
| 14.667        | 298.8       | 1:48  |          |                               |
| 14.733        | 298.0       | 1:52  |          |                               |
| 14.800        | 298.8       | 1:56  |          |                               |
| 14.867        | 298.8       | 2: 0  |          |                               |
| 14.933        | 298.8       | 2: 4  |          |                               |
| 15.000        | 298.8       | 2: 8  |          |                               |
| 15.067        | 298.8       | 2:12  |          |                               |
| 15.133        | 299.5       | 2:16  |          |                               |
| 15.200        | 299.5       | 2:20  |          |                               |
| 15.267        | 298.8       | 2:24  |          |                               |
| 15.333        | 299.5       | 2:28  |          |                               |
| 15.400        | 299.5       | 2:32  |          |                               |
| 15.467        | 299.5       | 2:36  |          |                               |
| 15.533        | 299.5       | 2:40  |          |                               |
| 15.600        | 299.5       | 2:44  |          |                               |
| 15.667        | 299.5       | 2:48  |          |                               |

BRITISH PETROLEUM  
WILDCAT  
2976-1OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NOR

DST 2, RUN 1, GAUGE 0039, SENSING DEPTH 4254.98 M. (TEMPERATURE SURVEY)

| DELTA<br>TIME | TEMPERATURE | TIME | DATE     |
|---------------|-------------|------|----------|
| 15.733        | 299.5       | 2:52 | 25- 4-82 |
| 15.800        | 299.5       | 2:56 |          |
| 15.867        | 299.5       | 3: 0 |          |
| 15.933        | 299.5       | 3: 4 |          |
| 16.000        | 299.5       | 3: 8 |          |
| 16.067        | 299.5       | 3:12 |          |
| 16.133        | 299.5       | 3:16 |          |
| 16.200        | 299.5       | 3:20 |          |
| 16.267        | 299.5       | 3:24 |          |
| 16.333        | 299.5       | 3:28 |          |
| 16.400        | 299.5       | 3:32 |          |
| 16.467        | 299.5       | 3:36 |          |
| 16.533        | 299.5       | 3:40 |          |
| 16.600        | 299.5       | 3:44 |          |
| 16.667        | 299.5       | 3:48 |          |
| 16.733        | 299.5       | 3:52 |          |
| 16.800        | 300.2       | 3:56 |          |
| 16.867        | 300.2       | 4: 0 |          |
| 16.933        | 300.2       | 4: 4 |          |
| 17.000        | 300.2       | 4: 8 |          |
| 17.067        | 300.2       | 4:12 |          |
| 17.133        | 300.2       | 4:16 |          |
| 17.200        | 300.2       | 4:20 |          |
| 17.267        | 300.2       | 4:24 |          |
| 17.333        | 300.2       | 4:28 |          |
| 17.400        | 300.2       | 4:32 |          |
| 17.467        | 300.2       | 4:36 |          |
| 17.533        | 300.2       | 4:40 |          |
| 17.600        | 300.2       | 4:44 |          |
| 17.667        | 300.2       | 4:48 |          |
| 17.733        | 300.9       | 4:52 |          |
| 17.800        | 300.9       | 4:56 |          |
| 17.867        | 300.9       | 5: 0 |          |
| 17.933        | 300.9       | 5: 4 |          |
| 18.000        | 300.9       | 5: 8 |          |
| 18.067        | 300.2       | 5:12 |          |
| 18.133        | 300.2       | 5:16 |          |
| 18.200        | 300.2       | 5:20 |          |
| 18.267        | 300.2       | 5:24 |          |
| 18.333        | 300.2       | 5:28 |          |
| 18.400        | 300.2       | 5:32 |          |
| 18.467        | 300.9       | 5:36 |          |
| 18.533        | 300.9       | 5:40 |          |
| 18.600        | 300.9       | 5:44 |          |
| 18.667        | 300.9       | 5:48 |          |
| 18.733        | 300.9       | 5:52 |          |
| 18.800        | 300.9       | 5:56 |          |

BRITISH PETROLEUM  
WILDCAT  
29/6-1OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NOR

DST 2; RUN 1. GAUGE 0039; SENSING DEPTH 4254.98 M. (TEMPERATURE SURVEY)

| DELTA<br>TIME | TEMPERATURE | TIME | DATE     |
|---------------|-------------|------|----------|
| 18.867        | 300.9       | 6: 0 | 25- 4-82 |
| 18.933        | 300.9       | 6: 4 |          |
| 19.000        | 300.9       | 6: 8 |          |
| 19.067        | 300.9       | 6:12 |          |
| 19.133        | 300.2       | 6:16 |          |
| 19.200        | 300.2       | 6:20 |          |
| 19.267        | 300.2       | 6:24 |          |
| 19.333        | 300.2       | 6:28 |          |
| 19.400        | 300.2       | 6:32 |          |
| 19.467        | 300.2       | 6:36 |          |
| 19.533        | 300.2       | 6:40 |          |
| 19.600        | 300.2       | 6:44 |          |
| 19.667        | 300.2       | 6:48 |          |
| 19.733        | 300.2       | 6:52 |          |
| 19.800        | 300.2       | 6:56 |          |
| 19.867        | 300.2       | 7: 0 |          |
| 19.933        | 300.2       | 7: 4 |          |
| 20.000        | 300.2       | 7: 8 |          |
| 20.067        | 300.2       | 7:12 |          |
| 20.133        | 300.2       | 7:16 |          |
| 20.200        | 300.2       | 7:20 |          |
| 20.267        | 300.2       | 7:24 |          |
| 20.333        | 300.2       | 7:28 |          |
| 20.400        | 300.2       | 7:32 |          |
| 20.467        | 300.2       | 7:36 |          |
| 20.533        | 300.2       | 7:40 |          |
| 20.600        | 300.2       | 7:44 |          |
| 20.667        | 300.9       | 7:48 |          |
| 20.733        | 300.9       | 7:52 |          |
| 20.800        | 300.9       | 7:56 |          |
| 20.867        | 300.2       | 8: 0 |          |
| 20.933        | 300.2       | 8: 4 |          |
| 21.000        | 300.2       | 8: 8 |          |
| 21.067        | 300.9       | 8:12 |          |
| 21.133        | 300.9       | 8:16 |          |
| 21.200        | 300.9       | 8:20 |          |
| 21.267        | 300.9       | 8:24 |          |
| 21.333        | 300.9       | 8:28 |          |
| 21.400        | 300.9       | 8:32 |          |
| 21.467        | 300.9       | 8:36 |          |
| 21.533        | 300.9       | 8:40 |          |
| 21.600        | 300.9       | 8:44 |          |
| 21.667        | 300.9       | 8:48 |          |
| 21.733        | 300.9       | 8:52 |          |
| 21.800        | 300.9       | 8:56 |          |
| 21.867        | 300.9       | 9: 0 |          |
| 21.933        | 300.2       | 9: 4 |          |

BRITISH PETROLEUM  
WILDCAT  
2976-1OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NOR

DST 2; RUN 1. GAUGE 0039; SENSING DEPTH 4254.98 M. (TEMPERATURE SURVEY)

| DELTA<br>TIME | TEMPERATURE | TIME  | DATE     |
|---------------|-------------|-------|----------|
| 22.000        | 300.9       | 9: 8  | 25- 4-82 |
| 22.067        | 300.9       | 9:12  |          |
| 22.133        | 300.9       | 9:16  |          |
| 22.200        | 300.9       | 9:20  |          |
| 22.267        | 300.9       | 9:24  |          |
| 22.333        | 301.6       | 9:28  |          |
| 22.400        | 301.6       | 9:32  |          |
| 22.467        | 301.6       | 9:36  |          |
| 22.533        | 300.9       | 9:40  |          |
| 22.600        | 300.9       | 9:44  |          |
| 22.667        | 300.9       | 9:48  |          |
| 22.733        | 300.9       | 9:52  |          |
| 22.800        | 300.9       | 9:56  |          |
| 22.867        | 300.9       | 10: 0 |          |
| 22.933        | 300.9       | 10: 4 |          |
| 23.000        | 300.9       | 10: 8 |          |
| 23.067        | 300.9       | 10:12 |          |
| 23.133        | 300.9       | 10:16 |          |
| 23.200        | 300.9       | 10:20 |          |
| 23.267        | 300.9       | 10:24 |          |
| 23.333        | 301.6       | 10:28 |          |
| 23.400        | 301.6       | 10:32 |          |
| 23.467        | 301.6       | 10:36 |          |
| 23.533        | 301.6       | 10:40 |          |
| 23.600        | 301.6       | 10:44 |          |
| 23.667        | 301.6       | 10:48 |          |
| 23.733        | 301.6       | 10:52 |          |
| 23.800        | 301.6       | 10:56 |          |
| 23.867        | 301.6       | 11: 0 |          |
| 23.933        | 300.9       | 11: 4 |          |
| 24.000        | 300.9       | 11: 8 |          |
| 24.067        | 300.9       | 11:12 |          |
| 24.133        | 301.6       | 11:16 |          |
| 24.200        | 301.6       | 11:20 |          |
| 24.267        | 300.9       | 11:24 |          |
| 24.333        | 300.9       | 11:28 |          |
| 24.400        | 300.9       | 11:32 |          |
| 24.467        | 301.6       | 11:36 |          |
| 24.533        | 300.9       | 11:40 |          |
| 24.600        | 300.9       | 11:44 |          |
| 24.667        | 300.9       | 11:48 |          |
| 24.733        | 300.9       | 11:52 |          |
| 24.800        | 301.6       | 11:56 |          |
| 24.867        | 301.6       | 12: 0 |          |
| 24.933        | 301.6       | 12: 4 |          |
| 25.000        | 301.6       | 12: 8 |          |
| 25.067        | 301.6       | 12:12 |          |



BRITISH PETROLEUM  
WILDCAT  
2976-1OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NOR

DST 2, RUN 1. GAUGE 0039, SENSING DEPTH 4254.98 M. (TEMPERATURE SURVEY)

| DELTA<br>TIME | TEMPERATURE | TIME  | DATE                           |
|---------------|-------------|-------|--------------------------------|
| 25.133        | 301.6       | 12:16 | 25- 4-82                       |
| 25.200        | 301.6       | 12:20 |                                |
| 25.267        | 301.6       | 12:24 |                                |
| 25.333        | 301.6       | 12:28 |                                |
| 25.400        | 301.6       | 12:32 |                                |
| 25.467        | 301.6       | 12:36 |                                |
| 25.533        | 301.6       | 12:40 |                                |
| 25.600        | 301.6       | 12:44 |                                |
| 25.667        | 301.6       | 12:48 |                                |
| 25.733        | 301.6       | 12:52 |                                |
| 25.800        | 301.6       | 12:56 |                                |
| 25.867        | 301.6       | 13: 0 |                                |
| 25.933        | 301.6       | 13: 4 | MUD TO SURFACE AT 13:01        |
| 26.000        | 301.6       | 13: 8 |                                |
| 26.067        | 301.6       | 13:12 |                                |
| 26.133        | 301.6       | 13:16 |                                |
| 26.200        | 300.9       | 13:20 |                                |
| 26.267        | 300.9       | 13:24 |                                |
| 26.333        | 300.9       | 13:28 |                                |
| 26.400        | 300.9       | 13:32 |                                |
| 26.467        | 300.9       | 13:36 | CHANGE TO 6/64" A.C. AT 13:34  |
| 26.533        | 300.9       | 13:40 | CHANGE TO 5/64" A.C. AT 13:36  |
| 26.600        | 300.9       | 13:44 | CHANGE TO 8/64" A.C. AT 13:45  |
| 26.667        | 300.9       | 13:48 | CHANGE TO 10/64" A.C. AT 13:49 |
| 26.733        | 300.2       | 13:52 | CHANGE TO 12/64" A.C. AT 13:53 |
| 26.800        | 299.5       | 13:56 | CHANGE TO 8/64" A.C. AT 13:54  |
| 26.867        | 300.2       | 14: 0 | CHANGE TO 6/64" A.C. AT 13:56  |
| 26.933        | 300.2       | 14: 4 |                                |
| 27.000        | 300.2       | 14: 8 |                                |
| 27.067        | 300.2       | 14:12 |                                |
| 27.133        | 300.2       | 14:16 |                                |
| 27.200        | 300.9       | 14:20 |                                |
| 27.267        | 300.2       | 14:24 |                                |
| 27.333        | 300.9       | 14:28 | CHANGE TO 4/64 A.C. AT 14:28   |
| 27.400        | 300.9       | 14:32 |                                |
| 27.467        | 300.9       | 14:36 |                                |
| 27.533        | 300.9       | 14:40 | CHANGE TO 5/64" A.C. AT 14:37  |
| 27.600        | 301.6       | 14:44 |                                |
| 27.667        | 302.3       | 14:48 | CHANGE TO 6/64" A.C. AT 14:47  |
| 27.733        | 302.3       | 14:52 |                                |
| 27.800        | 302.3       | 14:56 |                                |
| 27.933        | 301.6       | 15: 4 | CHANGE TO 4/64" A.C. AT 15:01  |
| 28.000        | 301.6       | 15: 8 |                                |
| 28.067        | 303.0       | 15:12 |                                |
| 28.133        | 302.3       | 15:16 |                                |
| 28.200        | 302.3       | 15:20 |                                |
| 28.267        | 302.3       | 15:24 |                                |

BRITISH PETROLEUM  
WILDCAT  
2976-1OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NOR

DST 2, RUN 1, GAUGE 0039, SENSING DEPTH 4254.98 M. (TEMPERATURE SURVEY)

| DELTA<br>TIME | TEMPERATURE | TIME  | DATE     |
|---------------|-------------|-------|----------|
| 28.333        | 302.3       | 15:28 | 25- 4-82 |
| 28.400        | 302.3       | 15:32 |          |
| 28.467        | 302.3       | 15:36 |          |
| 28.533        | 302.3       | 15:40 |          |
| 28.600        | 302.3       | 15:44 |          |
| 28.667        | 302.3       | 15:48 |          |
| 28.733        | 302.3       | 15:52 |          |
| 28.800        | 302.3       | 15:56 |          |
| 28.867        | 302.3       | 16: 0 |          |
| 28.933        | 302.3       | 16: 4 |          |
| 29.000        | 302.3       | 16: 8 |          |
| 29.067        | 302.3       | 16:12 |          |
| 29.133        | 302.3       | 16:16 |          |
| 29.200        | 302.3       | 16:20 |          |
| 29.267        | 302.3       | 16:24 |          |
| 29.333        | 302.3       | 16:28 |          |
| 29.400        | 302.3       | 16:32 |          |
| 29.467        | 302.3       | 16:36 |          |
| 29.533        | 303.0       | 16:40 |          |
| 29.600        | 303.7       | 16:44 |          |
| 29.667        | 303.7       | 16:48 |          |
| 29.733        | 303.7       | 16:52 |          |
| 29.800        | 303.7       | 16:56 |          |
| 29.867        | 303.0       | 17: 0 |          |
| 29.933        | 303.0       | 17: 4 |          |
| 30.000        | 302.3       | 17: 8 |          |
| 30.067        | 302.3       | 17:12 |          |
| 30.133        | 302.3       | 17:16 |          |
| 30.200        | 301.6       | 17:20 |          |
| 30.267        | 301.6       | 17:24 |          |
| 30.333        | 301.6       | 17:28 |          |
| 30.400        | 301.6       | 17:32 |          |
| 30.467        | 301.6       | 17:36 |          |
| 30.533        | 301.6       | 17:40 |          |
| 30.600        | 300.9       | 17:44 |          |
| 30.667        | 300.9       | 17:48 |          |
| 30.733        | 300.9       | 17:52 |          |
| 30.800        | 300.9       | 17:56 |          |
| 30.867        | 300.9       | 18: 0 |          |
| 30.933        | 300.9       | 18: 4 |          |
| 31.000        | 300.9       | 18: 8 |          |
| 31.067        | 300.9       | 18:12 |          |
| 31.133        | 300.2       | 18:16 |          |
| 31.200        | 300.2       | 18:20 |          |
| 31.267        | 300.2       | 18:24 |          |
| 31.333        | 300.2       | 18:28 |          |
| 31.400        | 300.2       | 18:32 |          |

ATTEMPT TO SHEAR APR-M

ATTEMPT TO SHEAR APR-M

WELL SHUT IN AT CHOKE  
MANIFOLD AT 17:05

BRITISH PETROLEUM  
WILDCAT  
29/6-1OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NOR

DST 2, RUN 1. GAUGE 0039, SENSING DEPTH 4254.98 M. (TEMPERATURE SURVEY)

| DELTA<br>TIME | TEMPERATURE | TIME  | DATE     |
|---------------|-------------|-------|----------|
| 31.467        | 300.2       | 18:36 | 25- 4-82 |
| 31.533        | 300.2       | 18:40 |          |
| 31.600        | 300.2       | 18:44 |          |
| 31.667        | 299.5       | 18:48 |          |
| 31.733        | 299.5       | 18:52 |          |
| 31.800        | 299.5       | 18:56 |          |
| 31.867        | 299.5       | 19: 0 |          |
| 31.933        | 299.5       | 19: 4 |          |
| 32.000        | 299.5       | 19: 8 |          |
| 32.067        | 299.5       | 19:12 |          |
| 32.133        | 299.5       | 19:16 |          |
| 32.200        | 299.5       | 19:20 |          |
| 32.267        | 298.8       | 19:24 |          |
| 32.333        | 298.8       | 19:28 |          |
| 32.400        | 298.8       | 19:32 |          |
| 32.467        | 298.8       | 19:36 |          |
| 32.533        | 298.8       | 19:40 |          |
| 32.600        | 298.8       | 19:44 |          |
| 32.667        | 298.8       | 19:48 |          |
| 32.733        | 298.8       | 19:52 |          |
| 32.800        | 298.8       | 19:56 |          |
| 32.867        | 298.8       | 20: 0 |          |
| 32.933        | 298.8       | 20: 4 |          |
| 33.000        | 298.8       | 20: 8 |          |
| 33.067        | 298.0       | 20:12 |          |
| 33.133        | 298.0       | 20:16 |          |
| 33.200        | 298.0       | 20:20 |          |
| 33.267        | 298.0       | 20:24 |          |
| 33.333        | 298.0       | 20:28 |          |
| 33.400        | 298.0       | 20:32 |          |
| 33.467        | 298.0       | 20:36 |          |
| 33.533        | 298.0       | 20:40 |          |
| 33.600        | 298.0       | 20:44 |          |
| 33.667        | 298.0       | 20:48 |          |
| 33.733        | 298.0       | 20:52 |          |
| 33.800        | 298.0       | 20:56 |          |
| 33.867        | 298.0       | 21: 0 |          |
| 33.933        | 298.0       | 21: 4 |          |
| 34.000        | 298.0       | 21: 8 |          |
| 34.067        | 297.3       | 21:12 |          |
| 34.133        | 297.3       | 21:16 |          |
| 34.200        | 297.3       | 21:20 |          |
| 34.267        | 297.3       | 21:24 |          |
| 34.333        | 297.3       | 21:28 |          |
| 34.400        | 297.3       | 21:32 |          |
| 34.467        | 297.3       | 21:36 |          |
| 34.533        | 297.3       | 21:40 |          |

BRITISH PETROLEUM  
WILDCAT  
29/6-1OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NOR

DST 2, RUN 1. GAUGE 0039, SENSING DEPTH 4254.98 M. (TEMPERATURE SURVEY)

| DELTA<br>TIME | TEMPERATURE | TIME  | DATE     |
|---------------|-------------|-------|----------|
| 34.600        | 297.3       | 21:44 | 25- 4-82 |
| 34.667        | 297.3       | 21:48 |          |
| 34.733        | 297.3       | 21:52 |          |
| 34.800        | 297.3       | 21:56 |          |
| 34.867        | 297.3       | 22: 0 |          |
| 34.933        | 297.3       | 22: 4 |          |
| 35.000        | 297.3       | 22: 8 |          |
| 35.067        | 297.3       | 22:12 |          |
| 35.133        | 297.3       | 22:16 |          |
| 35.200        | 297.3       | 22:20 |          |
| 35.267        | 297.3       | 22:24 |          |
| 35.333        | 297.3       | 22:28 |          |
| 35.400        | 296.6       | 22:32 |          |
| 35.467        | 296.6       | 22:36 |          |
| 35.533        | 296.6       | 22:40 |          |
| 35.600        | 296.6       | 22:44 |          |
| 35.667        | 296.6       | 22:48 |          |
| 35.733        | 296.6       | 22:52 |          |
| 35.800        | 296.6       | 22:56 |          |
| 35.867        | 296.6       | 23: 0 |          |
| 35.933        | 296.6       | 23: 4 |          |
| 36.000        | 296.6       | 23: 8 |          |
| 36.067        | 296.6       | 23:12 |          |
| 36.133        | 296.6       | 23:16 |          |
| 36.200        | 296.6       | 23:20 |          |
| 36.267        | 296.6       | 23:24 |          |
| 36.333        | 296.6       | 23:28 |          |
| 36.400        | 296.6       | 23:32 |          |
| 36.467        | 296.6       | 23:36 |          |
| 36.533        | 296.6       | 23:40 |          |
| 36.600        | 296.6       | 23:44 |          |
| 36.667        | 296.6       | 23:48 |          |
| 36.733        | 296.6       | 23:52 |          |
| 36.800        | 296.6       | 23:56 |          |
| 36.867        | 296.6       | 0: 0  | 26- 4-82 |
| 36.933        | 296.6       | 0: 4  |          |
| 37.000        | 296.6       | 0: 8  |          |
| 37.067        | 296.6       | 0:12  |          |
| 37.133        | 296.6       | 0:16  |          |
| 37.200        | 296.6       | 0:20  |          |
| 37.267        | 296.6       | 0:24  |          |
| 37.333        | 296.6       | 0:28  |          |
| 37.400        | 296.6       | 0:32  |          |
| 37.467        | 296.6       | 0:36  |          |
| 37.533        | 296.6       | 0:40  |          |
| 37.600        | 296.6       | 0:44  |          |
| 37.667        | 296.6       | 0:48  |          |

BRITISH PETROLEUM  
WILDCAT  
29/6-1

OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NOR

DST 2, RUN 1. GAUGE 0039, SENSING DEPTH 4254.98 M. (TEMPERATURE SURVEY)

| DELTA<br>TIME | TEMPERATURE | TIME | DATE     |
|---------------|-------------|------|----------|
| 37.733        | 295.9       | 0:52 | 26- 4-82 |
| 37.800        | 295.9       | 0:56 |          |
| 37.867        | 295.9       | 1: 0 |          |
| 37.933        | 295.9       | 1: 4 |          |
| 38.000        | 295.9       | 1: 8 |          |
| 38.067        | 295.9       | 1:12 |          |
| 38.133        | 295.9       | 1:16 |          |
| 38.200        | 295.9       | 1:20 |          |
| 38.267        | 295.9       | 1:24 |          |
| 38.333        | 295.9       | 1:28 |          |
| 38.400        | 295.9       | 1:32 |          |
| 38.467        | 295.9       | 1:36 |          |
| 38.533        | 295.9       | 1:40 |          |
| 38.600        | 295.9       | 1:44 |          |
| 38.667        | 295.9       | 1:48 |          |
| 38.733        | 295.9       | 1:52 |          |
| 38.800        | 295.9       | 1:56 |          |
| 38.867        | 295.9       | 2: 0 |          |
| 38.933        | 295.9       | 2: 4 |          |
| 39.000        | 295.9       | 2: 8 |          |
| 39.067        | 295.9       | 2:12 |          |
| 39.133        | 295.9       | 2:16 |          |
| 39.200        | 295.9       | 2:20 |          |
| 39.267        | 295.9       | 2:24 |          |
| 39.333        | 295.9       | 2:28 |          |
| 39.400        | 295.9       | 2:32 |          |
| 39.467        | 295.9       | 2:36 |          |
| 39.533        | 295.9       | 2:40 |          |
| 39.600        | 295.9       | 2:44 |          |
| 39.667        | 295.9       | 2:48 |          |
| 39.733        | 295.9       | 2:52 |          |
| 39.800        | 295.9       | 2:56 |          |
| 39.867        | 295.9       | 3: 0 |          |
| 39.933        | 295.9       | 3: 4 |          |
| 40.000        | 295.9       | 3: 8 |          |
| 40.067        | 295.9       | 3:12 |          |
| 40.133        | 295.9       | 3:16 |          |
| 40.200        | 295.9       | 3:20 |          |
| 40.267        | 295.9       | 3:24 |          |
| 40.333        | 295.9       | 3:28 |          |
| 40.400        | 295.9       | 3:32 |          |
| 40.467        | 295.9       | 3:36 |          |
| 40.533        | 295.9       | 3:40 |          |
| 40.600        | 295.9       | 3:44 |          |
| 40.667        | 295.9       | 3:48 |          |
| 40.733        | 295.9       | 3:52 |          |
| 40.800        | 295.9       | 3:56 |          |

BRITISH PETROLEUM  
WILDCAT  
2976-1OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NOR

DST 2; RUN 1. GAUGE 0039; SENSING DEPTH 4254.98 M. (TEMPERATURE SURVEY)

| DELTA<br>TIME | TEMPERATURE | TIME | DATE     |
|---------------|-------------|------|----------|
| 40.867        | 295.9       | 4: 0 | 26- 4-82 |
| 40.933        | 295.9       | 4: 4 |          |
| 41.000        | 295.9       | 4: 8 |          |
| 41.067        | 295.9       | 4:12 |          |
| 41.133        | 295.9       | 4:16 |          |
| 41.200        | 295.9       | 4:20 |          |
| 41.267        | 295.9       | 4:24 |          |
| 41.333        | 295.9       | 4:28 |          |
| 41.400        | 295.9       | 4:32 |          |
| 41.467        | 295.9       | 4:36 |          |
| 41.533        | 295.9       | 4:40 |          |
| 41.600        | 295.9       | 4:44 |          |
| 41.667        | 295.9       | 4:48 |          |
| 41.733        | 295.9       | 4:52 |          |
| 41.800        | 295.9       | 4:56 |          |
| 41.867        | 295.9       | 5: 0 |          |
| 41.933        | 295.9       | 5: 4 |          |
| 42.000        | 295.9       | 5: 8 |          |
| 42.067        | 295.9       | 5:12 |          |
| 42.133        | 295.9       | 5:16 |          |
| 42.200        | 295.9       | 5:20 |          |
| 42.267        | 295.9       | 5:24 |          |
| 42.333        | 295.9       | 5:28 |          |
| 42.400        | 295.9       | 5:32 |          |
| 42.467        | 295.9       | 5:36 |          |
| 42.533        | 295.9       | 5:40 |          |
| 42.600        | 295.9       | 5:44 |          |
| 42.667        | 295.9       | 5:48 |          |
| 42.733        | 295.9       | 5:52 |          |
| 42.800        | 295.9       | 5:56 |          |
| 42.867        | 295.9       | 6: 0 |          |
| 42.933        | 295.9       | 6: 4 |          |
| 43.000        | 295.9       | 6: 8 |          |
| 43.067        | 295.9       | 6:12 |          |
| 43.133        | 295.9       | 6:16 |          |
| 43.200        | 295.9       | 6:20 |          |
| 43.267        | 295.9       | 6:24 |          |
| 43.333        | 295.9       | 6:28 |          |
| 43.400        | 295.9       | 6:32 |          |
| 43.467        | 295.9       | 6:36 |          |
| 43.533        | 295.9       | 6:40 |          |
| 43.600        | 295.9       | 6:44 |          |
| 43.667        | 295.9       | 6:48 |          |
| 43.733        | 295.9       | 6:52 |          |
| 43.800        | 295.9       | 6:56 |          |
| 43.867        | 295.9       | 7: 0 |          |
| 43.933        | 295.9       | 7: 4 |          |

BRITISH PETROLEUM  
WILDCAT  
2976-1OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NOR

DST 2; RUN 1. GAUGE 0039, SENSING DEPTH 4254.98 M. (TEMPERATURE SURVEY)

| DELTA<br>TIME | TEMPERATURE | TIME  | DATE     |
|---------------|-------------|-------|----------|
| 44.000        | 295.9       | 7: 8  | 26- 4-82 |
| 44.067        | 295.9       | 7:12  |          |
| 44.133        | 295.9       | 7:16  |          |
| 44.200        | 295.9       | 7:20  |          |
| 44.267        | 295.9       | 7:24  |          |
| 44.333        | 295.9       | 7:28  |          |
| 44.400        | 295.9       | 7:32  |          |
| 44.467        | 295.9       | 7:36  |          |
| 44.533        | 295.9       | 7:40  |          |
| 44.600        | 295.9       | 7:44  |          |
| 44.667        | 295.9       | 7:48  |          |
| 44.733        | 295.9       | 7:52  |          |
| 44.800        | 295.9       | 7:56  |          |
| 44.867        | 295.9       | 8: 0  |          |
| 44.933        | 295.9       | 8: 4  |          |
| 45.000        | 295.9       | 8: 8  |          |
| 45.067        | 295.9       | 8:12  |          |
| 45.133        | 295.9       | 8:16  |          |
| 45.200        | 295.9       | 8:20  |          |
| 45.267        | 295.9       | 8:24  |          |
| 45.333        | 295.9       | 8:28  |          |
| 45.400        | 295.9       | 8:32  |          |
| 45.467        | 295.9       | 8:36  |          |
| 45.533        | 295.9       | 8:40  |          |
| 45.600        | 295.9       | 8:44  |          |
| 45.667        | 295.9       | 8:48  |          |
| 45.733        | 295.9       | 8:52  |          |
| 45.800        | 295.9       | 8:56  |          |
| 45.867        | 295.9       | 9: 0  |          |
| 45.933        | 295.9       | 9: 4  |          |
| 46.000        | 295.9       | 9: 8  |          |
| 46.067        | 296.6       | 9:12  |          |
| 46.133        | 296.6       | 9:16  |          |
| 46.200        | 295.9       | 9:20  |          |
| 46.267        | 295.9       | 9:24  |          |
| 46.333        | 295.2       | 9:28  |          |
| 46.400        | 295.2       | 9:32  |          |
| 46.467        | 295.9       | 9:36  |          |
| 46.533        | 295.9       | 9:40  |          |
| 46.600        | 295.2       | 9:44  |          |
| 46.667        | 294.5       | 9:48  |          |
| 46.733        | 294.5       | 9:52  |          |
| 46.800        | 294.5       | 9:56  |          |
| 46.867        | 294.5       | 10: 0 |          |
| 46.933        | 294.5       | 10: 4 |          |
| 47.000        | 294.5       | 10: 8 |          |
| 47.067        | 294.5       | 10:12 |          |

ATTEMPT TO SHEAR APR-M

OPEN ON 4/64" ADJ  
CHOKE AT 09:20  
SHUT IN CHOKE AT 09:28

BRITISH PETROLEUM  
WILDCAT  
29/6-1OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NOR

DST 2, RUN 1. GAUGE 0039, SENSING DEPTH 4254.98 M. (TEMPERATURE SURVEY)

| DELTA<br>TIME | TEMPERATURE | TIME  | DATE     |                               |
|---------------|-------------|-------|----------|-------------------------------|
| 47.133        | 294.5       | 10:16 | 26- 4-82 | ATTEMPT TO OPEN RTTS          |
| 47.200        | 294.5       | 10:20 |          | CIRCULATING VALVE AT 10:13    |
| 47.267        | 294.5       | 10:24 |          |                               |
| 47.333        | 295.2       | 10:28 |          |                               |
| 47.400        | 295.2       | 10:32 |          | ATTEMPT TO OPEN RTTS          |
| 47.467        | 295.2       | 10:36 |          | CIRCULATING VALVE AT 10:32    |
| 47.533        | 295.2       | 10:40 |          |                               |
| 47.600        | 295.2       | 10:44 |          |                               |
| 47.667        | 295.2       | 10:48 |          | ATTEMPT TO OPEN RTTS          |
| 47.733        | 295.2       | 10:52 |          | CIRCULATING VALVE AT 10:48    |
| 47.800        | 295.2       | 10:56 |          | OPEN ON 32/64" A.C. AT 10:57  |
| 47.867        | 295.2       | 11: 0 |          | SHUT IN CHOKE AT 11:00        |
| 47.933        | 295.2       | 11: 4 |          | OPEN ON 12/64" A.C. AND TRY   |
| 48.000        | 295.2       | 11: 8 |          | TO REVERSE CIRCULATE AT 11:02 |
| 48.067        | 295.2       | 11:12 |          |                               |
| 48.133        | 295.2       | 11:16 |          |                               |
| 48.200        | 295.9       | 11:20 |          |                               |
| 48.267        | 295.9       | 11:24 |          |                               |
| 48.333        | 295.2       | 11:28 |          |                               |
| 48.400        | 295.2       | 11:32 |          |                               |
| 48.467        | 295.2       | 11:36 |          |                               |
| 48.533        | 295.2       | 11:40 |          |                               |
| 48.600        | 295.2       | 11:44 |          |                               |
| 48.667        | 295.2       | 11:48 |          |                               |
| 48.733        | 295.2       | 11:52 |          |                               |
| 48.800        | 295.2       | 11:56 |          |                               |
| 48.867        | 295.2       | 12: 0 |          |                               |
| 48.933        | 295.2       | 12: 4 |          |                               |
| 49.000        | 295.2       | 12: 8 |          |                               |
| 49.067        | 295.2       | 12:12 |          |                               |
| 49.133        | 295.2       | 12:16 |          | ATTEMPT TO OPEN RTTS          |
| 49.200        | 295.2       | 12:20 |          | CIRCULATING VALVE AT 12:15    |
| 49.267        | 295.2       | 12:24 |          |                               |
| 49.333        | 295.9       | 12:28 |          |                               |
| 49.400        | 295.9       | 12:32 |          |                               |
| 49.467        | 295.2       | 12:36 |          |                               |
| 49.533        | 295.2       | 12:40 |          | SHUT IN CHOKE AT 12:38        |
| 49.600        | 295.2       | 12:44 |          |                               |
| 49.667        | 295.9       | 12:48 |          |                               |
| 49.733        | 295.9       | 12:52 |          |                               |
| 49.800        | 295.9       | 12:56 |          |                               |
| 49.867        | 295.9       | 13: 0 |          |                               |
| 49.933        | 295.2       | 13: 4 |          |                               |
| 50.000        | 295.2       | 13: 8 |          |                               |
| 50.067        | 295.2       | 13:12 |          |                               |
| 50.133        | 295.2       | 13:16 |          |                               |
| 50.200        | 295.2       | 13:20 |          |                               |



BRITISH PETROLEUM  
WILDCAT  
29/6-1OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NOR

DST 2; RUN 1. GAUGE 0039; SENSING DEPTH 4254.98 M. (TEMPERATURE SURVEY)

| DELTA<br>TIME | TEMPERATURE | TIME  | DATE     |
|---------------|-------------|-------|----------|
| 50.267        | 295.2       | 13:24 | 26- 4-82 |
| 50.333        | 295.2       | 13:28 |          |
| 50.400        | 295.2       | 13:32 |          |
| 50.467        | 295.2       | 13:36 |          |
| 50.533        | 295.2       | 13:40 |          |
| 50.600        | 295.2       | 13:44 |          |
| 50.667        | 295.2       | 13:48 |          |
| 50.733        | 295.2       | 13:52 |          |
| 50.800        | 295.2       | 13:56 |          |
| 50.867        | 295.2       | 14: 0 |          |
| 50.933        | 295.2       | 14: 4 |          |
| 51.000        | 295.2       | 14: 8 |          |
| 51.067        | 295.2       | 14:12 |          |
| 51.133        | 295.2       | 14:16 |          |
| 51.200        | 295.2       | 14:20 |          |
| 51.267        | 295.2       | 14:24 |          |
| 51.333        | 295.2       | 14:28 |          |
| 51.400        | 295.2       | 14:32 |          |
| 51.467        | 295.2       | 14:36 |          |
| 51.533        | 295.2       | 14:40 |          |
| 51.600        | 295.2       | 14:44 |          |
| 51.667        | 295.2       | 14:48 |          |
| 51.733        | 295.2       | 14:52 |          |
| 51.800        | 295.2       | 14:56 |          |
| 51.867        | 294.5       | 15: 0 |          |
| 51.933        | 294.5       | 15: 4 |          |
| 52.000        | 294.5       | 15: 8 |          |
| 52.067        | 295.2       | 15:12 |          |
| 52.133        | 295.2       | 15:16 |          |
| 52.200        | 295.2       | 15:20 |          |
| 52.267        | 295.2       | 15:24 |          |
| 52.333        | 295.2       | 15:28 |          |
| 52.400        | 295.2       | 15:32 |          |
| 52.467        | 295.2       | 15:36 |          |
| 52.533        | 295.2       | 15:40 |          |
| 52.600        | 295.2       | 15:44 |          |
| 52.667        | 295.2       | 15:48 |          |
| 52.733        | 295.2       | 15:52 |          |
| 52.800        | 295.2       | 15:56 |          |
| 52.867        | 294.5       | 16: 0 |          |
| 52.933        | 293.8       | 16: 4 |          |
| 53.000        | 291.7       | 16: 8 |          |
| 53.067        | 290.3       | 16:12 |          |
| 53.133        | 288.9       | 16:16 |          |
| 53.200        | 287.4       | 16:20 |          |
| 53.267        | 287.4       | 16:24 |          |
| 53.333        | 286.7       | 16:28 |          |

OPEN ON 12/64" ADJ CHOKE  
AND COMMENCE REVERSE  
CIRCULATING

BRITISH PETROLEUM  
WILDCAT  
2976-1OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NOR

DST 2, RUN 1. GAUGE 0039, SENSING DEPTH 4254.98 M. (TEMPERATURE SURVEY)

| DELTA<br>TIME | TEMPERATURE | TIME  | DATE     |
|---------------|-------------|-------|----------|
| 53.400        | 288.9       | 16:32 | 26- 4-82 |
| 53.467        | 289.6       | 16:36 |          |
| 53.533        | 288.9       | 16:40 |          |
| 53.600        | 288.9       | 16:44 |          |
| 53.667        | 291.0       | 16:48 |          |
| 53.733        | 293.1       | 16:52 |          |
| 53.800        | 293.1       | 16:56 |          |
| 53.867        | 291.0       | 17: 0 |          |
| 53.933        | 288.9       | 17: 4 |          |
| 54.000        | 287.4       | 17: 8 |          |
| 54.067        | 289.6       | 17:12 |          |
| 54.133        | 291.0       | 17:16 |          |
| 54.200        | 291.0       | 17:20 |          |
| 54.267        | 291.0       | 17:24 |          |
| 54.333        | 291.0       | 17:28 |          |
| 54.400        | 291.0       | 17:32 |          |
| 54.467        | 291.0       | 17:36 |          |
| 54.533        | 291.0       | 17:40 |          |
| 54.600        | 291.0       | 17:44 |          |
| 54.667        | 291.0       | 17:48 |          |
| 54.733        | 291.0       | 17:52 |          |
| 54.800        | 291.0       | 17:56 |          |
| 54.867        | 291.7       | 18: 0 |          |
| 54.933        | 291.7       | 18: 4 |          |
| 55.000        | 291.7       | 18: 8 |          |
| 55.067        | 291.7       | 18:12 |          |
| 55.133        | 291.7       | 18:16 |          |
| 55.200        | 291.7       | 18:20 |          |
| 55.267        | 291.7       | 18:24 |          |
| 55.333        | 291.7       | 18:28 |          |
| 55.400        | 291.7       | 18:32 |          |
| 55.467        | 291.7       | 18:36 |          |
| 55.533        | 291.7       | 18:40 |          |
| 55.600        | 291.7       | 18:44 |          |
| 55.667        | 291.7       | 18:48 |          |
| 55.733        | 291.7       | 18:52 |          |
| 55.800        | 291.7       | 18:56 |          |
| 55.867        | 291.7       | 19: 0 |          |
| 55.933        | 292.4       | 19: 4 |          |
| 56.000        | 292.4       | 19: 8 |          |
| 56.067        | 292.4       | 19:12 |          |
| 56.133        | 292.4       | 19:16 |          |
| 56.200        | 292.4       | 19:20 |          |
| 56.267        | 292.4       | 19:24 |          |
| 56.333        | 292.4       | 19:28 |          |
| 56.400        | 292.4       | 19:32 |          |
| 56.467        | 292.4       | 19:36 |          |

CLOSE CHOKE MANIFOLD AND  
STOP REVERSE CIRCULATING

BRITISH PETROLEUM  
WILDCAT  
29/6-1OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NDR

DST 2, RUN 1. GAUGE 0039, SENSING DEPTH 4254.98 M. (TEMPERATURE SURVEY)

| DELTA<br>TIME | TEMPERATURE | TIME  | DATE     |
|---------------|-------------|-------|----------|
| 56.533        | 292.4       | 19:40 | 26- 4-82 |
| 56.600        | 292.4       | 19:44 |          |
| 56.667        | 292.4       | 19:48 |          |
| 56.733        | 292.4       | 19:52 |          |
| 56.800        | 292.4       | 19:56 |          |
| 56.867        | 292.4       | 20: 0 |          |
| 56.933        | 292.4       | 20: 4 |          |
| 57.000        | 292.4       | 20: 8 |          |
| 57.067        | 292.4       | 20:12 |          |
| 57.133        | 292.4       | 20:16 |          |
| 57.200        | 292.4       | 20:20 |          |
| 57.267        | 292.4       | 20:24 |          |
| 57.333        | 292.4       | 20:28 |          |
| 57.400        | 293.1       | 20:32 |          |
| 57.467        | 292.4       | 20:36 |          |
| 57.533        | 293.1       | 20:40 |          |
| 57.600        | 293.1       | 20:44 |          |
| 57.667        | 293.1       | 20:48 |          |
| 57.733        | 293.1       | 20:52 |          |
| 57.800        | 293.1       | 20:56 |          |
| 57.867        | 293.1       | 21: 0 |          |
| 57.933        | 293.1       | 21: 4 |          |
| 58.000        | 293.1       | 21: 8 |          |
| 58.067        | 293.1       | 21:12 |          |
| 58.133        | 293.1       | 21:16 |          |
| 58.200        | 293.1       | 21:20 |          |
| 58.267        | 293.1       | 21:24 |          |
| 58.333        | 293.1       | 21:28 |          |
| 58.400        | 293.1       | 21:32 |          |
| 58.467        | 293.1       | 21:36 |          |
| 58.533        | 293.1       | 21:40 |          |
| 58.600        | 293.1       | 21:44 |          |
| 58.667        | 293.1       | 21:48 |          |
| 58.733        | 293.1       | 21:52 |          |
| 58.800        | 293.1       | 21:56 |          |
| 58.867        | 293.1       | 22: 0 |          |
| 58.933        | 293.1       | 22: 4 |          |
| 59.000        | 293.1       | 22: 8 |          |
| 59.067        | 293.1       | 22:12 |          |
| 59.133        | 293.1       | 22:16 |          |
| 59.200        | 293.1       | 22:20 |          |
| 59.267        | 293.1       | 22:24 |          |
| 59.333        | 293.1       | 22:28 |          |
| 59.400        | 293.1       | 22:32 |          |
| 59.467        | 293.1       | 22:36 |          |
| 59.533        | 293.1       | 22:40 |          |
| 59.600        | 293.1       | 22:44 |          |

UNSEAT PACKER AT 22:42

SPERRY-SUN INTERNATIONAL INC.  
MAGNETIC RECORDING PRESSURE GAUGE REPORT

BRITISH PETROLEUM  
WILDCAT  
29/6-1

OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NDR

DST 2, RUN 1. GAUGE 0039, SENSING DEPTH 4254.98 M. (TEMPERATURE SURVEY)

| DELTA<br>TIME | TEMPERATURE | TIME  | DATE     |             |
|---------------|-------------|-------|----------|-------------|
| 59.667        | 292.4       | 22:48 | 26- 4-82 |             |
| 59.733        | 291.7       | 22:52 |          |             |
| 59.800        | 288.2       | 22:56 |          | END OF TEST |



### PRESSURE TEST DATA SUMMARY

COMPANY: BRITISH PETROLEUM CO. DATE: 22 APRIL 1982

FIELD: WILDCAT WELL NO: 29/6-1 JOB NO: MRPG-1202 (B) -NOR

TEST TYPE: D.S.T. TEST NO: 2 RUN NO: 1 MAX B.H.T. 304 °F

PERFORATION INTERVAL: 4256 - 4260 M. ZONE: BRENT

|                        | TOP                     | MIDDLE                  | BOTTOM                  |
|------------------------|-------------------------|-------------------------|-------------------------|
| GAUGE TYPE/NO.         | MRPG 0039               | MRPG 0009               | MRPG 0190               |
| PRESSURE SENSING DEPTH | 4254.98 M               | 4257.99 M               | 4260.97 M               |
| ELEMENT SIZE           | 15000 PSI               | 15000 PSI               | 15000 PSI               |
| TIME MODE              | 4 MINS. (DELAY 17 HRS.) | 4 MINS. (DELAY 17 HRS.) | 2 MINS. (DELAY 17 HRS.) |
| BATTERY TYPE           | SILVER OXIDE            | SILVER OXIDE            | SILVER OXIDE            |

| EVENT  | SURFACE TIMES & DATES |         |       | TEMP. °F |       |      |
|--|-----------------------|---------|-------|----------|-------|------|
|  |                       |         |       | 0039     | 0009  | 0190 |
| START GAUGE 0039                                       | 21:42                 | 22.4.82 | --    | --       | --    | --   |
| " " 0009   | 21:44                 | "       | --    | --       | --    | --   |
| " " 0190   | 21:46                 | "       | --    | --       | --    | --   |
| GAUGES IN STRING                                       | 22:20                 | "       | --    | --       | --    | --   |
| SET PACKER   | 11:08                 | 24.4.82 | 288.9 | 287.8    | 290.1 |      |
| OPEN MASTER VALVE                                      | 11:12                 | "       | 288.9 | 288.5    | 290.1 |      |
| PRESSURE UP ANNULUS. OPEN APR-N                        | 11:58                 | "       | 289.6 | 289.9    | 289.4 |      |
| OPEN ON ADJ. CHOKE                                     | 12:02                 | "       | 290.3 | 289.9    | 289.4 |      |
| CLOSE IN AT CHOKE MANIFOLD                             | 12:04                 | "       | 290.3 | 289.9    | 290.1 |      |
| BLEED OFF ANNULUS. CLOSE APR-N                         | 12:12                 | "       | 290.3 | 289.9    | 290.1 |      |
| PRESSURE UP ANNULUS. OPEN APR-N                        | 12:27                 | "       | 289.6 | 288.5    | 288.7 |      |
| OPEN ON 8/64" ADJ. CHOKE                               | 12:37                 | "       | 290.3 | 289.2    | 289.4 |      |
| CLOSE IN AT CHOKE MANIFOLD                             | 12:38                 | "       | 290.3 | 289.2    | 289.4 |      |
| PRESSURE UP ANNULUS TO 2700 PSI                        | 12:46                 | "       | 290.3 | 289.9    | 289.4 |      |
| OPEN ON 8/64" ADJ. CHOKE                               | 13:01                 | "       | 290.3 | 289.9    | 290.1 |      |
| CLOSE IN AT CHOKE. (NO INDICATION OF APR-N VALVE OPEN) | 13:02                 | "       | 290.3 | 289.9    | 290.1 |      |
| BLEED OFF ANNULUS PRESSURE                             | 13:18                 | "       | 290.3 | 289.2    | 290.1 |      |
| PRESSURE UP ANNULUS                                    | 13:19                 | "       | 290.3 | 289.2    | 289.4 |      |
| ANNULUS PRESSURE AT 2300 PSI                           | 13:23                 | "       | 290.3 | 289.2    | 290.1 |      |
| OPEN ON 32/64" ADJ. CHOKE                              | 13:25                 | "       | 290.3 | 289.9    | 290.1 |      |
| CLOSE IN AT CHOKE MANIFOLD                             | 13:26                 | "       | 290.3 | 289.9    | 290.1 |      |
| BLEED OFF ANNULUS PRESSURE                             | 13:38                 | "       | 290.3 | 289.9    | 290.1 |      |
| PRESSURE UP ANNULUS                                    | 13:42                 | "       | 290.3 | 289.9    | 290.1 |      |
| OPEN ON 32/64" ADJ. CHOKE                              | 13:47                 | "       | 290.3 | 289.9    | 290.1 |      |
| BLEED OFF ANNULUS                                      | 13:51                 | "       | 289.6 | 289.9    | 290.1 |      |

(Cont'd)

M.R.P.G. PRESSURES ARE RELATIVE TO GAUGE CLOCK TIMES.  
S.P.G. PRESSURES ARE RELATIVE TO TIME GRADIENT CALCULATED FROM SURFACE TIMES.



## PRESSURE TEST DATA SUMMARY CONTINUATION SHEET

 COMPANY: BRITISH PETROLEUM CO.

 JOB NO: MRPG-1202 (B) -NOR

| EVENT  | SURFACE TIMES & DATES |         | TEMP. °F |       |       |
|--|-----------------------|---------|----------|-------|-------|
|  |                       |         | 0039     | 0009  | 0190  |
| PRESSURE UP ANNULUS TO 2300 PSI  | 13:52                 | 24.4.82 | 289.6    | 289.2 | 290.1 |
| BLEED OFF ANNULUS TO 2250 PSI  | 14:30                 | "       | 289.6    | 289.2 | 290.1 |
| " " " TO 1700 PSI  | 16:47                 | "       | 289.6    | 289.9 | 290.1 |
| PRESSURE UP ANNULUS TO 2000 PSI  | 17:27                 | "       | 289.6    | 289.9 | 290.1 |
| BLEED OFF ANNULUS  | 17:33                 | "       | 289.6    | 289.2 | 290.1 |
| CLOSE IN AT CHOKE MANIFOLD   | 17:46                 | "       | 289.6    | 289.2 | 289.4 |
| PICK UP 6 METRES TO UNSEAT PACKER                                      | 17:52                 | "       | 289.6    | 289.2 | 289.4 |
| PACKER STILL SET   | 17:56                 | "       | 289.6    | 289.2 | 289.4 |
| PICK UP TO UNSEAT PACKER   | 17:58                 | "       | 289.6    | 289.2 | 289.4 |
| PACKER STILL SET   | 18:01                 | "       | 289.6    | 289.2 | 288.7 |
| PRESSURE UP ANNULUS TO 2300 PSI  | 18:15                 | "       | 289.6    | 289.9 | 288.7 |
| OPEN ON 32/64" ADJ. CHOKE  | 18:20                 | "       | 289.6    | 289.9 | 288.7 |
| CLOSE IN AT CHOKE MANIFOLD   | 18:22                 | "       | 289.6    | 289.9 | 288.7 |
| START PUMPING GLYCOL   | 18:36                 | "       | 289.6    | 289.9 | 289.4 |
| OPEN AT CHOKE MANIFOLD   | 19:30                 | "       | 289.6    | 289.9 | 289.4 |
| FLUSH LINES  | 19:33                 | "       | 289.6    | 290.6 | 289.4 |
| PRESSURE TEST TO 10500 PSI   | 19:36                 | "       | 289.6    | 290.6 | 289.4 |
| BLEED OFF  | 19:44                 | "       | 289.6    | 290.6 | 289.4 |
| ANNULUS PRESSURE AT 2400 PSI   | 21:14                 | "       | 290.3    | 290.6 | 290.1 |
| CLOSE KILL VALVE, INCREASE ANNULUS PRESSURE TO 2600PSI. (OPENED APR-N) | 21:52                 | "       | 290.3    | 290.6 | 289.4 |
| CLOSE CHOKE MANIFOLD. (PRESSURE STARTED TO BUILD-UP)                   | 21:54                 | "       | 290.3    | 290.6 | 289.4 |
| BLEED DOWN ANNULUS PRESSURE TO 2300 PSI                                | 23:07                 | "       | 291.0    | 290.6 | 290.1 |
| OPEN ON 8/64" ADJ. CHOKE (FLOWING CUSHION STRING)                      | 23:09                 | "       | 291.0    | 289.9 | 290.1 |
| CLOSE IN AT CHOKE MANIFOLD   | 23:10                 | "       | 291.0    | 289.9 | 290.1 |
| OPEN ON 8/64" ADJ. CHOKE   | 23:18                 | "       | 290.3    | 289.9 | 288.7 |
| CHANGE TO 3/64" ADJ. CHOKE   | 23:19                 | "       | 290.3    | 289.9 | 288.7 |
| CLOSE IN AT CHOKE MANIFOLD   | 23:20                 | "       | 290.3    | 289.9 | 288.7 |
| OPEN ON 3/64" ADJ. CHOKE AND CHANGE TO 2/64"                           | 23:21                 | "       | 290.3    | 289.9 | 288.7 |
| CHANGE TO 3/64" ADJ. CHOKE   | 23:24                 | "       | 290.3    | 289.9 | 288.7 |
| CHANGE TO 2/64" ADJ. CHOKE   | 23:29                 | "       | 290.3    | 289.9 | 288.7 |
| CHANGE TO 3/64" ADJ. CHOKE   | 23:32                 | "       | 290.3    | 289.9 | 288.7 |
| CHANGE TO 2/64" ADJ. CHOKE   | 23:40                 | "       | 290.3    | 289.9 | 288.7 |
| CHANGE TO 3/64" ADJ. CHOKE   | 23:42                 | "       | 291.0    | 289.9 | 288.7 |
| CHANGE TO 4/64" ADJ. CHOKE   | 00:04                 | 25.4.82 | 291.0    | 290.6 | 289.4 |
| CHANGE TO 8/64" ADJ. CHOKE (DIRECT FLOW TO GAUGE TANK)                 | 00:20                 | "       | 293.2    | 293.4 | 292.3 |

(Cont'd)

M.R.P.G. PRESSURES ARE RELATIVE TO GAUGE CLOCK TIMES.

S.P.G. PRESSURES ARE RELATIVE TO TIME GRADIENT CALCULATED FROM SURFACE TIMES.



## PRESSURE TEST DATA SUMMARY CONTINUATION SHEET

 COMPANY: BRITISH PETROLEUM CO.

 JOB NO: MRPG-1202 (B) -NOR

| EVENT   | SURFACE TIMES & DATES |         | TEMP. °F    |             |             |
|---|-----------------------|---------|-------------|-------------|-------------|
|   |                       |         | <u>0039</u> | <u>0009</u> | <u>0190</u> |
| CHANGE TO 5/64" ADJ. CHOKE  | 00:23                 | 25.4.82 | 293.9       | 293.4       | 292.3       |
| " " 4/64" " "   | 00:31                 | "       | 295.3       | 295.5       | 293.7       |
| " " 3/64" " "   | 00:32                 | "       | 295.3       | 295.5       | 294.4       |
| " " 4/64" " "   | 01:22                 | "       | 298.1       | 298.4       | 298.6       |
| PLUGGING UP CHOKE   | 12:54                 | "       | 301.6       | 301.9       | *           |
| MUD TO SURFACE  | 13:01                 | "       | 301.6       | **          |             |
| CHANGE TO 5/64" ADJ. CHOKE  | 13:34                 | "       | 300.9       |             |             |
| " " 6/64" " "   | 13:36                 | "       | 300.9       |             |             |
| " " 8/64" " "   | 13:45                 | "       | 300.9       |             |             |
| " " 10/64" " "  | 13:49                 | "       | 300.9       |             |             |
| " " 12/64" " "  | 13:53                 | "       | 300.2       |             |             |
| " " 8/64" " "   | 13:54                 | "       | 300.2       |             |             |
| " " 6/64" " "   | 13:56                 | "       | 299.5       |             |             |
| " " 4/64" " "   | 14:28                 | "       | 300.9       |             |             |
| " " 5/64" " "   | 14:37                 | "       | 300.9       |             |             |
| " " 6/64" " "   | 14:47                 | "       | 302.3       |             |             |
| " " 8/64" " "   | 14:56                 | "       | 302.3       |             |             |
| " " 10/64" " "  | 14:57                 | "       | 302.3       |             |             |
| " " 8/64" " "   | 14:59                 | "       | 302.3       |             |             |
| " " 6/64" " "   | 15:00                 | "       | 302.3       |             |             |
| " " 4/64" " "   | 15:01                 | "       | 302.3       |             |             |
| PRESSURE UP ANNULUS (ATTEMPT TO SHEAR APR-M)                          | 16:34                 | "       | 302.3       |             |             |
| PRESSURE UP ANNULUS TO 3500 PSI (NO INDICATION)                       | 16:38                 | "       | 303.0       |             |             |
| ANNULUS PRESSURE DORPPED TO 500 PSI                                   | 16:42                 | "       | 303.0       |             |             |
| PRESSURE BACK UP TO 3500 PSI, STILL NO INDICATION (PRESSURE DROPPING) | 16:43                 | "       | 303.0       |             |             |
| PRESSURE BACK UP TO 3500 PSI (STILL DROPPING OFF)                     | 16:50                 | "       | 303.8       |             |             |
| CLOSE IN AT CHOKE MANIFOLD  | 17:05                 | "       | 303.0       |             |             |
| PRESSURE UP ANNULUS TO SHEAR APR-M (NO INDICATION OF APR-M SHEARING)  | 09:07                 | 26.4.82 | 296.0       |             |             |
| PRESSURE BACK UP TO 3500 PSI  | 09:16                 | "       | 296.7       |             |             |
| OPEN ON 4/64" ADJ. CHOKE  | 09:20                 | "       | 296.0       |             |             |
| CLOSE CHOKE MAINFOLD. BLEED OFF ANNULUS                               | 09:28                 | "       | 295.3       |             |             |
| PRESSURE UP ANNULUS   | 09:33                 | "       | 295.3       |             |             |
| INCREASE ANNULUS PRESSURE   | 09:38                 | "       | 296.0       |             |             |

M.R.P.G. PRESSURES ARE RELATIVE TO GAUGE CLOCK TIMES.  
S.P.G. PRESSURES ARE RELATIVE TO TIME GRADIENT CALCULATED FROM SURFACE TIMES.

(Cont'd)  
Sola trykkeri a.s - S.Sun-2



## PRESSURE TEST DATA SUMMARY CONTINUATION SHEET

COMPANY: BRITISH PETROLEUM CO.

JOB NO: MRPG-1202 (B) -NOR

| EVENT   | SURFACE TIMES & DATES |         | TEMP. °F |      |      |
|---|-----------------------|---------|----------|------|------|
|   |                       |         | 0039     | 0009 | 0190 |
| PICK UP STRING TO OPEN RTTS<br>CIRCULATING VALVE            | 10:13                 | 26.4.82 | 294.6    |      |      |
| RUN BACK IN   | 10:28                 | "       | 295.3    |      |      |
| PICK UP STRING AGAIN  | 10:32                 | "       | 295.3    |      |      |
| ATTEMPT TO OPEN RTTS CIRC.VALVE                             | 10:45                 | "       | 295.3    |      |      |
| " " " " " "   | 10:48                 | "       | 295.3    |      |      |
| OPEN ON 32/64" ADJ. CHOKE                                   | 10:57                 | "       | 295.3    |      |      |
| CLOSE IN AT CHOKE MANIFOLD                                  | 11:00                 | "       | 295.3    |      |      |
| OPEN ON 12/64" ADJ. CHOKE.                                  |                       |         |          |      |      |
| TRY TO REVERSE CIRCULATE                                    | 11:02                 | "       | 295.3    |      |      |
| TRY TO RE-OPEN CIRCULATING VALVE                            | 12:15                 | "       | 295.3    |      |      |
| CLOSE CHOKE MANIFOLD  | 12:38                 | "       | 295.3    |      |      |
| OPEN ON 12/64" ADJ. CHOKE<br>(COMMENCE REVERSE CIRCULATING) | 14:58                 | "       | 295.3    |      |      |
| STOP CIRCULATING. CLOSE CHOKE<br>MANIFOLD                   | 16:42                 | "       | 288.9    |      |      |
| UNSEAT PACKER   | 22:42                 | "       | 293.2    |      |      |
| GAUGES OUT OF STRING  | 10:30                 | 27.4.82 | --       | --   | --   |

NOTE: GAUGE 0039 READ 10°F TOO HIGH THROUGHOUT TEST. THIS WAS CORRECTED FOR ON FINAL REPORTS.

\*\* GAUGE 0009 FAILED AFTER 64 HOURS IN HOLE.

\* GAUGE 0190 TEMPERATURE SENSOR FAILED AFTER 60 HOURS IN HOLE.

M.R.P.G. PRESSURES ARE RELATIVE TO GAUGE CLOCK TIMES.

S.P.G. PRESSURES ARE RELATIVE TO TIME GRADIENT CALCULATED FROM SURFACE TIMES.



6/ 5/82

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MAGNETIC RECORDING PRESSURE GAUGE REPORT

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WILDCAT  
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OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NDR

DST 2; RUN 1. GAUGE 0039; SENSING DEPTH 4254.98 M. (PRE TEST PERIOD)

| DELTA TIME | GAUGE PRESSURE | TIME  | DATE     |                     |
|------------|----------------|-------|----------|---------------------|
| 0.000      | 11612.006      | 7: 4  | 24- 4-82 | INITIAL HYDROSTATIC |
| 0.067      | 11609.862      | 7: 8  |          |                     |
| 0.133      | 11609.147      | 7:12  |          |                     |
| 0.267      | 11608.432      | 7:20  |          |                     |
| 0.333      | 11606.289      | 7:24  |          |                     |
| 0.400      | 11605.574      | 7:28  |          |                     |
| 0.467      | 11605.574      | 7:32  |          |                     |
| 0.533      | 11604.859      | 7:36  |          |                     |
| 0.600      | 11604.145      | 7:40  |          |                     |
| 0.667      | 11604.145      | 7:44  |          |                     |
| 0.733      | 11602.715      | 7:48  |          |                     |
| 0.800      | 11603.430      | 7:52  |          |                     |
| 0.867      | 11601.286      | 7:56  |          |                     |
| 0.933      | 11601.286      | 8: 0  |          |                     |
| 1.000      | 11600.572      | 8: 4  |          |                     |
| 1.067      | 11599.857      | 8: 8  |          |                     |
| 1.133      | 11598.428      | 8:12  |          |                     |
| 1.200      | 11596.998      | 8:16  |          |                     |
| 1.267      | 11595.569      | 8:20  |          |                     |
| 1.333      | 11596.284      | 8:24  |          |                     |
| 1.467      | 11592.711      | 8:32  |          |                     |
| 1.533      | 11591.996      | 8:36  |          |                     |
| 1.600      | 11590.567      | 8:40  |          |                     |
| 1.667      | 11588.423      | 8:44  |          |                     |
| 1.733      | 11587.708      | 8:48  |          |                     |
| 1.800      | 11586.994      | 8:52  |          |                     |
| 1.867      | 11586.994      | 8:56  |          |                     |
| 1.933      | 11586.279      | 9: 0  |          |                     |
| 2.000      | 11586.279      | 9: 4  |          |                     |
| 2.067      | 11584.135      | 9: 8  |          |                     |
| 2.133      | 11583.420      | 9:12  |          |                     |
| 2.200      | 11586.994      | 9:16  |          |                     |
| 2.267      | 11583.420      | 9:20  |          |                     |
| 2.333      | 11581.277      | 9:24  |          |                     |
| 2.400      | 11581.991      | 9:28  |          |                     |
| 2.467      | 11581.277      | 9:32  |          |                     |
| 2.533      | 11579.133      | 9:36  |          |                     |
| 2.600      | 11576.989      | 9:40  |          |                     |
| 2.667      | 11576.274      | 9:44  |          |                     |
| 2.733      | 11574.845      | 9:48  |          |                     |
| 2.800      | 11596.998      | 9:52  |          |                     |
| 2.867      | 11593.425      | 9:56  |          |                     |
| 2.933      | 11591.996      | 10: 0 |          |                     |
| 3.000      | 11589.137      | 10: 4 |          |                     |
| 3.067      | 11586.994      | 10: 8 |          |                     |
| 3.133      | 11584.135      | 10:12 |          |                     |

BRITISH PETROLEUM  
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22 APRIL 1982  
MRPG-1202(B)-NOR

DST 2, RUN 1. GAUGE 0039, SENSING DEPTH 4254.98 M. (PRE TEST PERIOD)

| DELTA<br>TIME | GAUGE<br>PRESSURE | TIME  | DATE     |
|---------------|-------------------|-------|----------|
| 3.200         | 11581.991         | 10:16 | 24- 4-82 |
| 3.267         | 11579.847         | 10:20 |          |
| 3.333         | 11577.703         | 10:24 |          |
| 3.400         | 11575.560         | 10:28 |          |
| 3.467         | 11573.416         | 10:32 |          |
| 3.533         | 11571.986         | 10:36 |          |
| 3.600         | 11569.843         | 10:40 |          |
| 3.667         | 11569.128         | 10:44 |          |
| 3.733         | 11566.984         | 10:48 |          |
| 3.800         | 11564.126         | 10:52 |          |
| 3.867         | 11561.982         | 10:56 |          |
| 3.933         | 11561.267         | 11: 0 |          |
| 4.000         | 11660.600         | 11: 4 |          |
| 4.067         | 12002.906         | 11: 8 |          |
| 4.133         | 11975.750         | 11:12 |          |
| 4.200         | 11955.026         | 11:16 |          |
| 4.267         | 11938.590         | 11:20 |          |
| 4.333         | 11923.582         | 11:24 |          |
| 4.400         | 11912.148         | 11:28 |          |
| 4.467         | 11902.858         | 11:32 |          |
| 4.533         | 11894.283         | 11:36 |          |
| 4.600         | 11886.422         | 11:40 |          |
| 4.667         | 11877.132         | 11:44 |          |
| 4.733         | 12073.654         | 11:48 |          |
| 4.800         | 12064.364         | 11:52 |          |
| 4.867         | 13539.352         | 11:56 |          |
| 4.933         | 13539.352         | 12: 0 |          |
| 5.000         | 13519.342         | 12: 4 |          |
| 5.067         | 13496.474         | 12: 8 |          |
| 5.133         | 13233.492         | 12:12 |          |
| 5.200         | 12152.977         | 12:16 |          |
| 5.267         | 12129.395         | 12:20 |          |
| 5.333         | 12120.819         | 12:24 |          |
| 5.400         | 12107.241         | 12:28 |          |
| 5.467         | 13294.235         | 12:32 |          |
| 5.533         | 13525.059         | 12:36 |          |
| 5.600         | 13510.767         | 12:40 |          |
| 5.667         | 13495.045         | 12:44 |          |
| 5.733         | 13780.181         | 12:48 |          |
| 5.800         | 13788.042         | 12:52 |          |
| 5.867         | 13848.785         | 12:56 |          |
| 5.933         | 13838.066         | 13: 0 |          |
| 6.000         | 13798.046         | 13: 4 |          |
| 6.067         | 13784.469         | 13: 8 |          |
| 6.133         | 13777.322         | 13:12 |          |
| 6.200         | 13805.193         | 13:16 |          |
| 6.267         | 13622.963         | 13:20 |          |

SET PACKER AT 11:08

OPEN APR-N VALVE AT 11:58  
OPEN ON ADJ CHOKE AT 12:02  
SHUT IN CHOKE AT 12:04  
CLOSE APR-N AT 12:12

OPEN APR-N VALVE AT 12:27

PRESSURE ANNULUS TO 2700 PSI

OPEN ON 8/64" A.C. AT 13:01  
SHUT IN, 13:02 (NO INDICATION  
OF APR-N VALVE OPENING)

BLEED OFF ANNULUS AT 13:18

BRITISH PETROLEUM  
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MRPG-1202(B)-NDR

DST 2, RUN 1. GAUGE 0039, SENSING DEPTH 4254.98 M. (PRE TEST PERIOD)

| DELTA<br>TIME | GAUGE<br>PRESSURE | TIME  | DATE     |                               |
|---------------|-------------------|-------|----------|-------------------------------|
| 6.333         | 13803.049         | 13:24 | 24- 4-82 | PRESSURE UP ANNULUS AT 13:19  |
| 6.400         | 13760.886         | 13:28 |          | OPEN ON 32/64" A.C. AT 13:25  |
| 6.467         | 13750.881         | 13:32 |          | SHUT IN CHOKE AT 13:26        |
| 6.533         | 13800.190         | 13:36 |          |                               |
| 6.600         | 12227.299         | 13:40 |          | BLEED OFF ANNULUS AT 13:38    |
| 6.667         | 13779.466         | 13:44 |          | PRESSURE UP ANNULUS AT 13:42  |
| 6.733         | 13770.176         | 13:48 |          | OPEN AND CLOSE ON 32/64" A.C. |
| 6.800         | 12723.249         | 13:52 |          | BLEED OFF ANNULUS AT 13:51    |
| 6.867         | 13816.627         | 13:56 |          | PRESSURE UP ANNULUS AT 13:52  |
| 6.933         | 13822.344         | 14: 0 |          |                               |
| 7.000         | 13812.339         | 14: 4 |          |                               |
| 7.067         | 13815.197         | 14: 8 |          |                               |
| 7.133         | 13801.620         | 14:12 |          |                               |
| 7.200         | 13791.615         | 14:16 |          |                               |
| 7.267         | 13794.473         | 14:20 |          |                               |
| 7.333         | 13781.610         | 14:24 |          |                               |
| 7.400         | 13838.780         | 14:28 |          |                               |
| 7.467         | 13676.560         | 14:32 |          | BLEED OFF ANNULUS TO 2250 PSI |
| 7.533         | 13655.121         | 14:36 |          | AT 14:30                      |
| 7.600         | 13625.822         | 14:40 |          |                               |
| 7.667         | 13615.817         | 14:44 |          |                               |
| 7.733         | 13615.102         | 14:48 |          |                               |
| 7.800         | 13600.810         | 14:52 |          |                               |
| 7.867         | 13595.093         | 14:56 |          |                               |
| 7.933         | 13583.659         | 15: 0 |          |                               |
| 8.000         | 13583.659         | 15: 4 |          |                               |
| 8.067         | 13567.937         | 15: 8 |          |                               |
| 8.133         | 13567.222         | 15:12 |          |                               |
| 8.200         | 13547.213         | 15:16 |          |                               |
| 8.267         | 13555.074         | 15:20 |          |                               |
| 8.333         | 13532.206         | 15:24 |          |                               |
| 8.400         | 13561.505         | 15:28 |          |                               |
| 8.467         | 13567.222         | 15:32 |          |                               |
| 8.533         | 13550.786         | 15:36 |          |                               |
| 8.600         | 13563.649         | 15:40 |          |                               |
| 8.667         | 13549.357         | 15:44 |          |                               |
| 8.733         | 13537.208         | 15:48 |          |                               |
| 8.800         | 13545.069         | 15:52 |          |                               |
| 8.867         | 13520.772         | 15:56 |          |                               |
| 8.933         | 13496.474         | 16: 0 |          |                               |
| 9.000         | 13501.477         | 16: 4 |          |                               |
| 9.067         | 13532.920         | 16: 8 |          |                               |
| 9.133         | 13510.767         | 16:12 |          |                               |
| 9.200         | 13509.338         | 16:16 |          |                               |
| 9.267         | 13530.062         | 16:20 |          |                               |
| 9.333         | 13515.055         | 16:24 |          |                               |
| 9.400         | 13504.335         | 16:28 |          |                               |

BRITISH PETROLEUM  
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MRPG-1202(B)-NOR

DST 2, RUN 1. GAUGE 0039, SENSING DEPTH 4254.98 M. (PRE TEST PERIOD)

| DELTA<br>TIME | GAUGE<br>PRESSURE | TIME  | DATE                                       |
|---------------|-------------------|-------|--|
| 9.467         | 13504.335         | 16:32 | 24- 4-82                                   |
| 9.533         | 13489.328         | 16:36 |  |
| 9.600         | 13499.333         | 16:40 |  |
| 9.667         | 13487.899         | 16:44 |  |
| 9.733         | 13461.458         | 16:48 |  |
| 9.800         | 13424.297         | 16:52 | BLEED OFF ANNULUS TO 1700 PSI<br>AT 16:47  |
| 9.867         | 13396.427         | 16:56 |  |
| 9.933         | 13372.844         | 17: 0 |  |
| 10.000        | 13357.837         | 17: 4 |  |
| 10.067        | 13339.971         | 17: 8 |  |
| 10.133        | 13318.532         | 17:12 |  |
| 10.200        | 13306.384         | 17:16 |  |
| 10.267        | 13303.525         | 17:20 |  |
| 10.333        | 13270.652         | 17:24 |  |
| 10.400        | 13445.021         | 17:28 | PRESSURE UP ANNULUS TO 2000 PS<br>AT 17:27 |
| 10.467        | 13432.873         | 17:32 |  |
| 10.533        | 12238.018         | 17:36 | BLEED OFF ANNULUS AT 17:33                 |
| 10.600        | 12185.850         | 17:40 |  |
| 10.667        | 12185.136         | 17:44 |  |
| 10.733        | 12182.277         | 17:48 | SHUT IN CHOKE AT 17:46                     |
| 10.800        | 11618.437         | 17:52 | PICK UP 6 METRES TO UNSEAT PAC             |
| 10.867        | 12126.536         | 17:56 | PACKER STILL SET                           |
| 10.933        | 11687.041         | 18: 0 | PICK UP TO UNSEAT PACKER                   |
| 11.000        | 12079.371         | 18: 4 | PACKER STILL SET AT 18:01                  |
| 11.067        | 12078.656         | 18: 8 |  |
| 11.133        | 12077.942         | 18:12 |  |
| 11.200        | 12125.822         | 18:16 |  |
| 11.267        | 12146.546         | 18:20 | OPEN ON 32/64" A.C. AT 18:20               |
| 11.333        | 12139.400         | 18:24 | SHUT IN CHOKE AT 18:22                     |
| 11.400        | 12132.968         | 18:28 |  |
| 11.467        | 12124.392         | 18:32 |  |
| 11.533        | 12115.817         | 18:36 | START PUMPING GLYCOL                       |
| 11.600        | 12107.241         | 18:40 |  |
| 11.667        | 12098.666         | 18:44 |  |
| 11.733        | 12090.805         | 18:48 |  |
| 11.800        | 12083.659         | 18:52 |  |
| 11.867        | 12078.656         | 18:56 |  |
| 11.933        | 12071.510         | 19: 0 |  |
| 12.000        | 12063.649         | 19: 4 |  |
| 12.067        | 12055.788         | 19: 8 |  |
| 12.133        | 12047.213         | 19:12 |  |
| 12.200        | 12039.352         | 19:16 |  |
| 12.267        | 12031.491         | 19:20 |  |
| 12.333        | 12022.915         | 19:24 |  |
| 12.400        | 12017.198         | 19:28 |  |
| 12.467        | 12010.052         | 19:32 | OPEN CHOKE AT 19:30                        |
| 12.533        | 12001.477         | 19:36 | FLUSH OUT LINES AT 19:33                   |

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OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NOR

DST 2; RUN 1. GAUGE 0039; SENSING DEPTH 4254.98 M. (PRE TEST PERIOD)

| DELTA<br>TIME | GAUGE<br>PRESSURE | TIME  | DATE     |
|---------------|-------------------|-------|----------|
| 12.600        | 11996.474         | 19:40 | 24- 4-82 |
| 12.733        | 11982.896         | 19:48 |          |
| 12.800        | 11980.038         | 19:52 |          |
| 12.867        | 11980.753         | 19:56 |          |
| 12.933        | 11977.179         | 20: 0 |          |
| 13.000        | 11972.177         | 20: 4 |          |
| 13.067        | 11967.889         | 20: 8 |          |
| 13.133        | 11960.028         | 20:12 |          |
| 13.200        | 11952.882         | 20:16 |          |
| 13.267        | 11947.165         | 20:20 |          |
| 13.333        | 11932.158         | 20:24 |          |
| 13.400        | 11925.726         | 20:28 |          |
| 13.467        | 11920.724         | 20:32 |          |
| 13.533        | 11917.151         | 20:36 |          |
| 13.600        | 11910.005         | 20:40 |          |
| 13.667        | 11902.858         | 20:44 |          |
| 13.733        | 11897.141         | 20:48 |          |
| 13.800        | 11892.139         | 20:52 |          |
| 13.867        | 11884.278         | 20:56 |          |
| 13.933        | 11881.420         | 21: 0 |          |
| 14.000        | 11872.844         | 21: 4 |          |
| 14.067        | 11869.986         | 21: 8 |          |
| 14.133        | 11865.698         | 21:12 |          |
| 14.200        | 11859.266         | 21:16 |          |
| 14.267        | 11852.834         | 21:20 |          |
| 14.333        | 11848.547         | 21:24 |          |
| 14.400        | 11843.544         | 21:28 |          |
| 14.467        | 11839.257         | 21:32 |          |
| 14.533        | 11829.966         | 21:36 |          |
| 14.600        | 11825.679         | 21:40 |          |
| 14.667        | 11819.962         | 21:44 |          |
| 14.733        | 11816.389         | 21:48 |          |
| 14.800        | 11812.815         | 21:52 |          |
| 14.867        | 9586.600          | 21:56 |          |

OPEN APR-N VALVE AT 21:52  
BLEED OFF TUBING TO 3000 PSI

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SPERRY-SUN INTERNATIONAL INC.  
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BRITISH PETROLEUM  
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OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NOR

DST 2, RUN 1. GAUGE 0039, SENSING DEPTH 4254.98 M. (BUILD UP PERIOD)

| DELTA TIME | GAUGE PRESSURE | TIME  | DATE     |                      |
|------------|----------------|-------|----------|----------------------|
| 0.000      | 9586.600       | 21:56 | 24- 4-82 | CLOSE CHOKE MANIFOLD |
| 0.067      | 10040.253      | 22: 0 |          | AT 21:54             |
| 0.133      | 9974.822       | 22: 4 |          |                      |
| 0.200      | 10109.658      | 22: 8 |          |                      |
| 0.267      | 10248.424      | 22:12 |          |                      |
| 0.333      | 10340.935      | 22:16 |          |                      |
| 0.400      | 10432.712      | 22:20 |          |                      |
| 0.467      | 10512.007      | 22:24 |          |                      |
| 0.533      | 10583.226      | 22:28 |          |                      |
| 0.600      | 10642.697      | 22:32 |          |                      |
| 0.667      | 10694.826      | 22:36 |          |                      |
| 0.733      | 10741.816      | 22:40 |          |                      |
| 0.800      | 10782.198      | 22:44 |          |                      |
| 0.867      | 10818.909      | 22:48 |          |                      |
| 0.933      | 10849.746      | 22:52 |          |                      |
| 1.000      | 10877.646      | 22:56 |          |                      |
| 1.067      | 10902.609      | 23: 0 |          |                      |
| 1.133      | 10924.635      | 23: 4 |          |                      |

END OF BUILD UP PERIOD

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22 APRIL 1982  
MRPG-1202(B)-NOR

DST 2; RUN 1. GAUGE 0039; SENSING DEPTH 4254.98 M. (FLOW PERIOD)

| DELTA TIME | GAUGE PRESSURE | TIME  | DATE     |                               |
|------------|----------------|-------|----------|-------------------------------|
| 0.000      | 10924.635      | 23: 4 | 24- 4-82 | OPEN ON 8/64" A.C. AT 23:09   |
| 0.067      | 10266.045      | 23: 8 |          | SHUT IN AT 23:10              |
| 0.133      | 9680.384       | 23:12 |          |                               |
| 0.200      | 9905.029       | 23:16 |          | OPEN ON 8/64" A.C. AT 23:18   |
| 0.267      | 8865.408       | 23:20 |          | SHUT IN CHOKE AT 23:20        |
| 0.333      | 8937.382       | 23:24 |          | OPEN ON 2/64" A.C. AT 23:21   |
| 0.400      | 8748.360       | 23:28 |          | CHANGE TO 3/64" A.C. AT 23:24 |
| 0.467      | 9060.246       | 23:32 |          | CHANGE TO 2/64" A.C. AT 23:29 |
| 0.533      | 8973.732       | 23:36 |          | CHANGE TO 3/64" A.C. AT 23:32 |
| 0.600      | 9063.881       | 23:40 |          | CHANGE TO 2/64" A.C. AT 23:40 |
| 0.667      | 9076.240       | 23:44 |          | CHANGE TO 3/64" A.C. AT 23:42 |
| 0.733      | 9035.528       | 23:48 |          |                               |
| 0.800      | 9007.174       | 23:52 |          |                               |
| 0.867      | 9020.988       | 23:56 |          |                               |
| 0.933      | 9034.074       | 0: 0  | 25- 4-82 |                               |
| 1.000      | 9034.074       | 0: 4  |          | CHANGE TO 4/64" A.C. AT 00:04 |
| 1.067      | 9231.093       | 0: 8  |          |                               |
| 1.133      | 9279.802       | 0:12  |          |                               |
| 1.200      | 9391.035       | 0:16  |          |                               |
| 1.267      | 9437.563       | 0:20  |          | CHANGE TO 8/64" A.C. AT 00:20 |
| 1.333      | 9217.280       | 0:24  |          | CHANGE TO 5/64" A.C. AT 00:23 |
| 1.400      | 9335.055       | 0:28  |          |                               |
| 1.467      | 8499.723       | 0:32  |          | CHANGE TO 4/64" A.C. AT 00:31 |
| 1.533      | 9369.951       | 0:36  |          | CHANGE TO 3/64" A.C. AT 00:32 |
| 1.600      | 10288.072      | 0:40  |          |                               |
| 1.667      | 10450.333      | 0:44  |          |                               |
| 1.733      | 10467.220      | 0:48  |          |                               |
| 1.800      | 10475.296      | 0:52  |          |                               |
| 1.867      | 10473.094      | 0:56  |          |                               |
| 1.933      | 10342.404      | 1: 0  |          |                               |
| 2.000      | 10304.225      | 1: 4  |          |                               |
| 2.067      | 10401.141      | 1: 8  |          |                               |
| 2.133      | 10481.904      | 1:12  |          |                               |
| 2.200      | 10473.094      | 1:16  |          |                               |
| 2.267      | 10451.802      | 1:20  |          |                               |
| 2.333      | 9886.457       | 1:24  |          | CHANGE TO 4/64" A.C. AT 01:22 |
| 2.400      | 10105.987      | 1:28  |          |                               |
| 2.467      | 10268.982      | 1:32  |          |                               |
| 2.533      | 10278.527      | 1:36  |          |                               |
| 2.600      | 10277.059      | 1:40  |          |                               |
| 2.667      | 10257.235      | 1:44  |          |                               |
| 2.733      | 10194.827      | 1:48  |          |                               |
| 2.800      | 10150.774      | 1:52  |          |                               |
| 2.867      | 10175.737      | 1:56  |          |                               |
| 2.933      | 10162.521      | 2: 0  |          |                               |
| 3.000      | 10175.003      | 2: 4  |          |                               |

BRITISH PETROLEUM  
WILDCAT  
29/6-1OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NOR

DST 2, RUN 1. GAUGE 0039, SENSING DEPTH 4254.98 M. (FLOW PERIOD)

| DELTA<br>TIME | GAUGE<br>PRESSURE | TIME | DATE     |
|---------------|-------------------|------|----------|
| 3.067         | 10245.487         | 2: 8 | 25- 4-82 |
| 3.133         | 10285.135         | 2:12 |          |
| 3.200         | 10271.185         | 2:16 |          |
| 3.267         | 10266.780         | 2:20 |          |
| 3.333         | 10277.059         | 2:24 |          |
| 3.400         | 10295.414         | 2:28 |          |
| 3.467         | 10304.225         | 2:32 |          |
| 3.533         | 10279.995         | 2:36 |          |
| 3.600         | 10249.893         | 2:40 |          |
| 3.667         | 10238.879         | 2:44 |          |
| 3.733         | 10241.082         | 2:48 |          |
| 3.800         | 10230.803         | 2:52 |          |
| 3.867         | 10226.398         | 2:56 |          |
| 3.933         | 10249.158         | 3: 0 |          |
| 4.000         | 10251.361         | 3: 4 |          |
| 4.067         | 10307.161         | 3: 8 |          |
| 4.133         | 10349.012         | 3:12 |          |
| 4.200         | 10317.440         | 3:16 |          |
| 4.267         | 10283.667         | 3:20 |          |
| 4.333         | 10274.122         | 3:24 |          |
| 4.400         | 10201.435         | 3:28 |          |
| 4.467         | 10172.800         | 3:32 |          |
| 4.533         | 10121.405         | 3:36 |          |
| 4.600         | 10062.668         | 3:40 |          |
| 4.667         | 10034.034         | 3:44 |          |
| 4.733         | 10023.021         | 3:48 |          |
| 4.800         | 10029.629         | 3:52 |          |
| 4.867         | 10028.894         | 3:56 |          |
| 4.933         | 10023.755         | 4: 0 |          |
| 5.000         | 10075.150         | 4: 4 |          |
| 5.067         | 10109.658         | 4: 8 |          |
| 5.133         | 10139.761         | 4:12 |          |
| 5.200         | 10146.369         | 4:16 |          |
| 5.267         | 10136.824         | 4:20 |          |
| 5.333         | 10144.900         | 4:24 |          |
| 5.400         | 10144.166         | 4:28 |          |
| 5.467         | 10108.189         | 4:32 |          |
| 5.533         | 9992.270          | 4:36 |          |
| 5.600         | 9271.805          | 4:40 |          |
| 5.667         | 10020.818         | 4:44 |          |
| 5.733         | 10205.106         | 4:48 |          |
| 5.800         | 10246.956         | 4:52 |          |
| 5.867         | 10252.830         | 4:56 |          |
| 5.933         | 10292.477         | 5: 0 |          |
| 6.000         | 10305.693         | 5: 4 |          |
| 6.067         | 10248.424         | 5: 8 |          |
| 6.133         | 10227.132         | 5:12 |          |



BRITISH PETROLEUM  
WILDCAT  
29/6-1OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NDR

DST 2; RUN 1. GAUGE 0039; SENSING DEPTH 4254.98 M. (FLOW PERIOD)

| DELTA<br>TIME | GAUGE<br>PRESSURE | TIME | DATE     |
|---------------|-------------------|------|----------|
| 6.200         | 10267.514         | 5:16 | 25- 4-82 |
| 6.267         | 10226.398         | 5:20 |          |
| 6.333         | 10197.764         | 5:24 |          |
| 6.400         | 10198.498         | 5:28 |          |
| 6.467         | 10233.740         | 5:32 |          |
| 6.533         | 10246.956         | 5:36 |          |
| 6.600         | 10248.424         | 5:40 |          |
| 6.667         | 10228.601         | 5:44 |          |
| 6.733         | 10206.574         | 5:48 |          |
| 6.800         | 10496.589         | 5:52 |          |
| 6.867         | 10653.710         | 5:56 |          |
| 6.933         | 10746.956         | 6: 0 |          |
| 7.000         | 10765.311         | 6: 4 |          |
| 7.067         | 10760.171         | 6: 8 |          |
| 7.133         | 10755.032         | 6:12 |          |
| 7.200         | 10670.597         | 6:16 |          |
| 7.267         | 10435.649         | 6:20 |          |
| 7.333         | 10442.257         | 6:24 |          |
| 7.400         | 10472.360         | 6:28 |          |
| 7.467         | 10466.486         | 6:32 |          |
| 7.533         | 10495.854         | 6:36 |          |
| 7.600         | 10482.639         | 6:40 |          |
| 7.667         | 10385.722         | 6:44 |          |
| 7.733         | 10347.543         | 6:48 |          |
| 7.800         | 10347.543         | 6:52 |          |
| 7.867         | 10364.430         | 6:56 |          |
| 7.933         | 10373.975         | 7: 0 |          |
| 8.000         | 10393.064         | 7: 4 |          |
| 8.067         | 10396.001         | 7: 8 |          |
| 8.133         | 10368.101         | 7:12 |          |
| 8.200         | 10339.467         | 7:16 |          |
| 8.267         | 10310.832         | 7:20 |          |
| 8.333         | 10291.743         | 7:24 |          |
| 8.400         | 10281.464         | 7:28 |          |
| 8.467         | 10252.830         | 7:32 |          |
| 8.533         | 10240.348         | 7:36 |          |
| 8.600         | 10188.219         | 7:40 |          |
| 8.667         | 10296.148         | 7:44 |          |
| 8.733         | 10351.214         | 7:48 |          |
| 8.800         | 10318.175         | 7:52 |          |
| 8.867         | 10299.819         | 7:56 |          |
| 8.933         | 10261.640         | 8: 0 |          |
| 9.000         | 10257.969         | 8: 4 |          |
| 9.067         | 10252.830         | 8: 8 |          |
| 9.133         | 10307.896         | 8:12 |          |
| 9.200         | 10322.580         | 8:16 |          |
| 9.267         | 10347.543         | 8:20 |          |

BRITISH PETROLEUM  
WILDCAT  
2976-1OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NOR

DST 2, RUN 1. GAUGE 0039, SENSING DEPTH 4254.98 M. (FLOW PERIOD)

| DELTA<br>TIME | GAUGE<br>PRESSURE | TIME  | DATE     |
|---------------|-------------------|-------|----------|
| 9.333         | 10337.264         | 8:24  | 25- 4-82 |
| 9.400         | 10324.048         | 8:28  |          |
| 9.467         | 10304.225         | 8:32  |          |
| 9.533         | 10265.311         | 8:36  |          |
| 9.600         | 10256.501         | 8:40  |          |
| 9.667         | 10241.816         | 8:44  |          |
| 9.733         | 10234.474         | 8:48  |          |
| 9.800         | 10243.285         | 8:52  |          |
| 9.867         | 10165.458         | 8:56  |          |
| 9.933         | 9919.496          | 9: 0  |          |
| 10.000        | 10050.921         | 9: 4  |          |
| 10.067        | 10267.514         | 9: 8  |          |
| 10.133        | 10169.863         | 9:12  |          |
| 10.200        | 10050.921         | 9:16  |          |
| 10.267        | 10288.072         | 9:20  |          |
| 10.333        | 10417.294         | 9:24  |          |
| 10.400        | 10458.409         | 9:28  |          |
| 10.467        | 10391.596         | 9:32  |          |
| 10.533        | 10429.775         | 9:36  |          |
| 10.600        | 10335.796         | 9:40  |          |
| 10.667        | 10238.879         | 9:44  |          |
| 10.733        | 10294.680         | 9:48  |          |
| 10.800        | 10329.922         | 9:52  |          |
| 10.867        | 10338.733         | 9:56  |          |
| 10.933        | 10318.175         | 10: 0 |          |
| 11.000        | 10302.756         | 10: 4 |          |
| 11.067        | 10252.830         | 10: 8 |          |
| 11.133        | 10206.574         | 10:12 |          |
| 11.200        | 10086.897         | 10:16 |          |
| 11.267        | 10104.518         | 10:20 |          |
| 11.333        | 10072.947         | 10:24 |          |
| 11.400        | 10344.606         | 10:28 |          |
| 11.467        | 10404.078         | 10:32 |          |
| 11.533        | 10416.559         | 10:36 |          |
| 11.600        | 10422.433         | 10:40 |          |
| 11.667        | 10418.762         | 10:44 |          |
| 11.733        | 10409.217         | 10:48 |          |
| 11.800        | 10437.117         | 10:52 |          |
| 11.867        | 10414.357         | 10:56 |          |
| 11.933        | 10396.001         | 11: 0 |          |
| 12.000        | 10412.154         | 11: 4 |          |
| 12.067        | 10405.546         | 11: 8 |          |
| 12.133        | 10429.041         | 11:12 |          |
| 12.200        | 10420.230         | 11:16 |          |
| 12.267        | 10385.722         | 11:20 |          |
| 12.333        | 10422.433         | 11:24 |          |
| 12.400        | 10443.725         | 11:28 |          |

BRITISH PETROLEUM  
WILDCAT  
29/6-1OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NDR

DST 2, RUN 1. GAUGE 0039, SENSING DEPTH 4254.98 M. (FLOW PERIOD)

| DELTA<br>TIME | GAUGE<br>PRESSURE | TIME  | DATE     |
|---------------|-------------------|-------|----------|
| 12.467        | 10460.612         | 11:32 | 25- 4-82 |
| 12.533        | 10426.838         | 11:36 |          |
| 12.600        | 10398.938         | 11:40 |          |
| 12.667        | 10411.420         | 11:44 |          |
| 12.733        | 10398.938         | 11:48 |          |
| 12.800        | 10401.141         | 11:52 |          |
| 12.867        | 10401.141         | 11:56 |          |
| 12.933        | 10431.978         | 12: 0 |          |
| 13.000        | 10412.888         | 12: 4 |          |
| 13.067        | 10393.799         | 12: 8 |          |
| 13.133        | 10360.759         | 12:12 |          |
| 13.200        | 10338.733         | 12:16 |          |
| 13.267        | 10407.015         | 12:20 |          |
| 13.333        | 10469.423         | 12:24 |          |
| 13.400        | 10445.928         | 12:28 |          |
| 13.467        | 10438.586         | 12:32 |          |
| 13.533        | 10434.180         | 12:36 |          |
| 13.600        | 10431.978         | 12:40 |          |
| 13.667        | 10358.556         | 12:44 |          |
| 13.733        | 10398.938         | 12:48 |          |
| 13.800        | 10617.734         | 12:52 |          |
| 13.867        | 10687.484         | 12:56 |          |
| 13.933        | 11010.538         | 13: 0 |          |
| 14.000        | 10907.748         | 13: 4 |          |
| 14.067        | 10915.091         | 13: 8 |          |
| 14.133        | 10955.472         | 13:12 |          |
| 14.200        | 11046.515         | 13:16 |          |
| 14.267        | 11067.073         | 13:20 |          |
| 14.333        | 11055.325         | 13:24 |          |
| 14.400        | 11079.555         | 13:28 |          |
| 14.467        | 11103.049         | 13:32 |          |
| 14.533        | 11123.607         | 13:36 |          |
| 14.600        | 11218.321         | 13:40 |          |
| 14.667        | 11196.295         | 13:44 |          |
| 14.733        | 11192.623         | 13:48 |          |
| 14.800        | 10310.098         | 13:52 |          |
| 14.867        | 10368.101         | 13:56 |          |
| 14.933        | 10501.728         | 14: 0 |          |
| 15.000        | 10267.514         | 14: 4 |          |
| 15.067        | 10175.003         | 14: 8 |          |
| 15.133        | 10342.404         | 14:12 |          |
| 15.200        | 10559.731         | 14:16 |          |
| 15.267        | 10537.705         | 14:20 |          |
| 15.333        | 10109.658         | 14:24 |          |
| 15.400        | 10411.420         | 14:28 |          |
| 15.467        | 10409.217         | 14:32 |          |
| 15.533        | 9786.604          | 14:36 |          |

PLUGGING UP AT CHOKE

MUD TO SURFACE AT 13:01

CHANGE TO 6/64" A.C. AT 13:34

CHANGE TO 5/64" A.C. AT 13:36

CHANGE TO 8/64" A.C. AT 13:45

CHANGE TO 10/64" A.C. AT 13:49

CHANGE TO 12/64" A.C. AT 13:53

CHANGE TO 8/64" A.C. AT 13:54

CHANGE TO 6/64" A.C. AT 13:56

CHANGE TO 4/64" A.C. AT 14:28

CHANGE TO 5/64" A.C. AT 14:37

BRITISH PETROLEUM  
WILDCAT  
29/6-1OFFSHORE NORWAY  
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MRPG-1202(B)-NOR

DST 2, RUN 1. GAUGE 0039, SENSING DEPTH 4254.98 M. (FLOW PERIOD)

| DELTA<br>TIME | GAUGE<br>PRESSURE | TIME  | DATE     |   |
|---------------|-------------------|-------|----------|---|
| 15.733        | 10854.151         | 14:48 | 25- 4-82 | CHANGE TO 6/64" A.C. AT 14:47                             |
| 15.800        | 11185.281         | 14:52 |          |   |
| 16.000        | 10227.866         | 15: 4 |          | CHANGE TO 4/64" A.C. AT 15:01                             |
| 16.067        | 10291.743         | 15: 8 |          |   |
| 16.133        | 10266.780         | 15:12 |          |   |
| 16.267        | 10190.421         | 15:20 |          |   |
| 16.333        | 10119.203         | 15:24 |          |   |
| 16.400        | 10086.163         | 15:28 |          |   |
| 16.533        | 10036.236         | 15:36 |          |   |
| 16.600        | 10012.007         | 15:40 |          |   |
| 16.667        | 10012.007         | 15:44 |          |   |
| 16.800        | 10039.173         | 15:52 |          |   |
| 16.867        | 10067.808         | 15:56 |          |   |
| 16.933        | 10099.379         | 16: 0 |          |   |
| 17.000        | 10124.342         | 16: 4 |          |   |
| 17.067        | 10122.139         | 16: 8 |          |   |
| 17.133        | 10112.595         | 16:12 |          |   |
| 17.200        | 10122.139         | 16:16 |          |   |
| 17.267        | 10108.924         | 16:20 |          |   |
| 17.333        | 10091.302         | 16:24 |          |   |
| 17.400        | 10103.784         | 16:28 |          |   |
| 17.467        | 10114.797         | 16:32 |          |   |
| 17.533        | 10150.774         | 16:36 |          |   |
| 17.600        | 11111.053         | 16:40 |          | ATTEMPT TO SHEAR APR-M<br>(NO INDICATION OF SHEARING)     |
| 17.667        | 11552.692         | 16:44 |          | ATTEMPT TO SHEAR APR-M<br>(ANNULUS PRESSURE DROPPED OFF)  |
| 17.733        | 11801.381         | 16:48 |          | RE-PRESSURE ANNULUS TO 3500<br>PSI (PRESSURE DROPPED OFF) |
| 17.800        | 12240.162         | 16:52 |          |   |
| 17.867        | 12366.651         | 16:56 |          |   |
| 17.933        | 11728.490         | 17: 0 |          |   |
| 18.000        | 11834.969         | 17: 4 |          | END OF FLOW PERIOD  |

BRITISH PETROLEUM  
WILDCAT  
29/6-1

OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NDR

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DST 2, RUN 1. GAUGE 0039, SENSING DEPTH 4254.98 M. (SHUT IN PERIOD)

| DELTA TIME | GAUGE PRESSURE | TIME  | DATE     |                       |
|------------|----------------|-------|----------|-----------------------|
| 0.000      | 11834.969      | 17: 4 | 25- 4-82 | WELL SHUT IN AT CHOKE |
| 0.067      | 11346.165      | 17: 8 |          | MANIFOLD AT 17:05     |
| 0.133      | 11233.254      | 17:12 |          |                       |
| 0.200      | 11237.541      | 17:16 |          |                       |
| 0.267      | 11246.117      | 17:20 |          |                       |
| 0.333      | 11245.402      | 17:24 |          |                       |
| 0.400      | 11244.688      | 17:28 |          |                       |
| 0.467      | 11243.973      | 17:32 |          |                       |
| 0.533      | 11242.544      | 17:36 |          |                       |
| 0.600      | 11241.829      | 17:40 |          |                       |
| 0.667      | 11241.829      | 17:44 |          |                       |
| 0.733      | 11243.973      | 17:48 |          |                       |
| 0.800      | 11242.544      | 17:52 |          |                       |
| 0.867      | 11240.400      | 17:56 |          |                       |
| 0.933      | 11240.400      | 18: 0 |          |                       |
| 1.000      | 11240.400      | 18: 4 |          |                       |
| 1.067      | 11239.685      | 18: 8 |          |                       |
| 1.133      | 11238.971      | 18:12 |          |                       |
| 1.200      | 11238.256      | 18:16 |          |                       |
| 1.267      | 11236.827      | 18:20 |          |                       |
| 1.333      | 11238.256      | 18:24 |          |                       |
| 1.400      | 11238.971      | 18:28 |          |                       |
| 1.467      | 11238.256      | 18:32 |          |                       |
| 1.533      | 11237.541      | 18:36 |          |                       |
| 1.600      | 11238.256      | 18:40 |          |                       |
| 1.667      | 11238.256      | 18:44 |          |                       |
| 1.733      | 11237.541      | 18:48 |          |                       |
| 1.800      | 11236.827      | 18:52 |          |                       |
| 1.867      | 11236.112      | 18:56 |          |                       |
| 1.933      | 11236.112      | 19: 0 |          |                       |
| 2.000      | 11236.827      | 19: 4 |          |                       |
| 2.067      | 11236.112      | 19: 8 |          |                       |
| 2.133      | 11236.827      | 19:12 |          |                       |
| 2.200      | 11238.971      | 19:16 |          |                       |
| 2.267      | 11237.541      | 19:20 |          |                       |
| 2.333      | 11236.827      | 19:24 |          |                       |
| 2.400      | 11235.398      | 19:28 |          |                       |
| 2.467      | 11235.398      | 19:32 |          |                       |
| 2.533      | 11236.112      | 19:36 |          |                       |
| 2.600      | 11236.827      | 19:40 |          |                       |
| 2.667      | 11236.112      | 19:44 |          |                       |
| 2.733      | 11236.112      | 19:48 |          |                       |
| 2.800      | 11236.112      | 19:52 |          |                       |
| 2.867      | 11236.112      | 19:56 |          |                       |
| 2.933      | 11236.112      | 20: 0 |          |                       |
| 3.000      | 11236.112      | 20: 4 |          |                       |

BRITISH PETROLEUM  
WILDCAT  
2976-1OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NDR

DST 2, RUN 1. GAUGE 0039, SENSING DEPTH 4254.98 M. (SHUT IN PERIOD)

| DELTA<br>TIME | GAUGE<br>PRESSURE | TIME  | DATE     |
|---------------|-------------------|-------|----------|
| 3.067         | 11236.827         | 20: 8 | 25- 4-82 |
| 3.133         | 11235.398         | 20:12 |          |
| 3.200         | 11236.827         | 20:16 |          |
| 3.267         | 11236.112         | 20:20 |          |
| 3.333         | 11236.112         | 20:24 |          |
| 3.400         | 11234.683         | 20:28 |          |
| 3.467         | 11234.683         | 20:32 |          |
| 3.533         | 11236.112         | 20:36 |          |
| 3.600         | 11236.112         | 20:40 |          |
| 3.667         | 11234.683         | 20:44 |          |
| 3.733         | 11234.683         | 20:48 |          |
| 3.800         | 11235.398         | 20:52 |          |
| 3.867         | 11235.398         | 20:56 |          |
| 3.933         | 11235.398         | 21: 0 |          |
| 4.000         | 11235.398         | 21: 4 |          |
| 4.067         | 11235.398         | 21: 8 |          |
| 4.133         | 11236.112         | 21:12 |          |
| 4.200         | 11236.112         | 21:16 |          |
| 4.267         | 11235.398         | 21:20 |          |
| 4.333         | 11235.398         | 21:24 |          |
| 4.400         | 11234.683         | 21:28 |          |
| 4.467         | 11234.683         | 21:32 |          |
| 4.533         | 11236.827         | 21:36 |          |
| 4.600         | 11236.112         | 21:40 |          |
| 4.667         | 11235.398         | 21:44 |          |
| 4.733         | 11237.541         | 21:48 |          |
| 4.800         | 11236.112         | 21:52 |          |
| 4.867         | 11234.683         | 21:56 |          |
| 4.933         | 11235.398         | 22: 0 |          |
| 5.000         | 11235.398         | 22: 4 |          |
| 5.067         | 11237.541         | 22: 8 |          |
| 5.133         | 11235.398         | 22:12 |          |
| 5.200         | 11235.398         | 22:16 |          |
| 5.267         | 11236.112         | 22:20 |          |
| 5.333         | 11236.827         | 22:24 |          |
| 5.400         | 11235.398         | 22:28 |          |
| 5.467         | 11234.683         | 22:32 |          |
| 5.533         | 11235.398         | 22:36 |          |
| 5.600         | 11235.398         | 22:40 |          |
| 5.667         | 11236.827         | 22:44 |          |
| 5.733         | 11236.827         | 22:48 |          |
| 5.800         | 11236.827         | 22:52 |          |
| 5.867         | 11236.112         | 22:56 |          |
| 5.933         | 11234.683         | 23: 0 |          |
| 6.000         | 11236.112         | 23: 4 |          |
| 6.067         | 11236.112         | 23: 8 |          |
| 6.133         | 11235.398         | 23:12 |          |

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SPERRY-SUN INTERNATIONAL INC.  
MAGNETIC RECORDING PRESSURE GAUGE REPORT

BRITISH PETROLEUM  
WILDCAT  
29/6-1

OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NOR

DST 2, RUN 1. GAUGE 0039, SENSING DEPTH 4254.98 M. (SHUT IN PERIOD)

| DELTA TIME | GAUGE PRESSURE | TIME  | DATE     |
|------------|----------------|-------|----------|
| 6.200      | 11236.112      | 23:16 | 25- 4-82 |
| 6.267      | 11236.112      | 23:20 |          |
| 6.333      | 11236.112      | 23:24 |          |
| 6.400      | 11236.827      | 23:28 |          |
| 6.467      | 11235.398      | 23:32 |          |
| 6.533      | 11236.112      | 23:36 |          |
| 6.600      | 11235.398      | 23:40 |          |
| 6.667      | 11236.112      | 23:44 |          |
| 6.733      | 11236.827      | 23:48 |          |
| 6.800      | 11236.827      | 23:52 |          |
| 6.867      | 11236.112      | 23:56 |          |
| 6.933      | 11236.112      | 0: 0  | 26- 4-82 |
| 7.000      | 11236.112      | 0: 4  |          |
| 7.067      | 11236.112      | 0: 8  |          |
| 7.133      | 11236.112      | 0:12  |          |
| 7.200      | 11235.398      | 0:16  |          |
| 7.267      | 11236.112      | 0:20  |          |
| 7.333      | 11235.398      | 0:24  |          |
| 7.400      | 11235.398      | 0:28  |          |
| 7.467      | 11235.398      | 0:32  |          |
| 7.533      | 11234.683      | 0:36  |          |
| 7.600      | 11235.398      | 0:40  |          |
| 7.667      | 11234.683      | 0:44  |          |
| 7.733      | 11235.398      | 0:48  |          |
| 7.800      | 11233.968      | 0:52  |          |
| 7.867      | 11235.398      | 0:56  |          |
| 7.933      | 11235.398      | 1: 0  |          |
| 8.000      | 11234.683      | 1: 4  |          |
| 8.067      | 11233.968      | 1: 8  |          |
| 8.133      | 11234.683      | 1:12  |          |
| 8.200      | 11234.683      | 1:16  |          |
| 8.267      | 11233.968      | 1:20  |          |
| 8.333      | 11233.968      | 1:24  |          |
| 8.400      | 11233.254      | 1:28  |          |
| 8.467      | 11234.683      | 1:32  |          |
| 8.533      | 11234.683      | 1:36  |          |
| 8.600      | 11233.254      | 1:40  |          |
| 8.667      | 11233.968      | 1:44  |          |
| 8.733      | 11233.968      | 1:48  |          |
| 8.800      | 11233.968      | 1:52  |          |
| 8.867      | 11233.968      | 1:56  |          |
| 8.933      | 11233.968      | 2: 0  |          |
| 9.000      | 11234.683      | 2: 4  |          |
| 9.067      | 11234.683      | 2: 8  |          |
| 9.133      | 11234.683      | 2:12  |          |
| 9.200      | 11234.683      | 2:16  |          |
| 9.267      | 11233.968      | 2:20  |          |

BRITISH PETROLIUM  
WILDCAT  
2976-1OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NOR

DST 2, RUN 1. GAUGE 0039, SENSING DEPTH 4254.98 M. (SHUT IN PERIOD)

| DELTA<br>TIME | GAUGE<br>PRESSURE | TIME | DATE     |
|---------------|-------------------|------|----------|
| 9.333         | 11234.683         | 2:24 | 26- 4-82 |
| 9.400         | 11233.968         | 2:28 |          |
| 9.467         | 11233.968         | 2:32 |          |
| 9.533         | 11235.398         | 2:36 |          |
| 9.600         | 11233.968         | 2:40 |          |
| 9.667         | 11234.683         | 2:44 |          |
| 9.733         | 11234.683         | 2:48 |          |
| 9.800         | 11233.968         | 2:52 |          |
| 9.867         | 11234.683         | 2:56 |          |
| 9.933         | 11235.398         | 3: 0 |          |
| 10.000        | 11234.683         | 3: 4 |          |
| 10.067        | 11235.398         | 3: 8 |          |
| 10.133        | 11234.683         | 3:12 |          |
| 10.200        | 11235.398         | 3:16 |          |
| 10.267        | 11235.398         | 3:20 |          |
| 10.333        | 11234.683         | 3:24 |          |
| 10.400        | 11235.398         | 3:28 |          |
| 10.467        | 11234.683         | 3:32 |          |
| 10.533        | 11234.683         | 3:36 |          |
| 10.600        | 11234.683         | 3:40 |          |
| 10.667        | 11235.398         | 3:44 |          |
| 10.733        | 11234.683         | 3:48 |          |
| 10.800        | 11234.683         | 3:52 |          |
| 10.867        | 11234.683         | 3:56 |          |
| 10.933        | 11235.398         | 4: 0 |          |
| 11.000        | 11235.398         | 4: 4 |          |
| 11.067        | 11235.398         | 4: 8 |          |
| 11.133        | 11235.398         | 4:12 |          |
| 11.200        | 11234.683         | 4:16 |          |
| 11.267        | 11234.683         | 4:20 |          |
| 11.333        | 11235.398         | 4:24 |          |
| 11.400        | 11235.398         | 4:28 |          |
| 11.467        | 11236.112         | 4:32 |          |
| 11.533        | 11234.683         | 4:36 |          |
| 11.600        | 11234.683         | 4:40 |          |
| 11.667        | 11234.683         | 4:44 |          |
| 11.733        | 11234.683         | 4:48 |          |
| 11.800        | 11236.827         | 4:52 |          |
| 11.867        | 11235.398         | 4:56 |          |
| 11.933        | 11235.398         | 5: 0 |          |
| 12.000        | 11235.398         | 5: 4 |          |
| 12.067        | 11235.398         | 5: 8 |          |
| 12.133        | 11235.398         | 5:12 |          |
| 12.200        | 11235.398         | 5:16 |          |
| 12.267        | 11236.112         | 5:20 |          |
| 12.333        | 11235.398         | 5:24 |          |
| 12.400        | 11235.398         | 5:28 |          |



BRITISH PETROLEUM  
WILDCAT  
29/6-1OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NDR

DST 2, RUN 1. GAUGE 0039, SENSING DEPTH 4254.98 M. (SHUT IN PERIOD)

| DELTA<br>TIME | GAUGE<br>PRESSURE | TIME | DATE     |
|---------------|-------------------|------|----------|
| 12.467        | 11235.398         | 5:32 | 26- 4-82 |
| 12.533        | 11236.112         | 5:36 |          |
| 12.600        | 11236.112         | 5:40 |          |
| 12.667        | 11236.112         | 5:44 |          |
| 12.733        | 11235.398         | 5:48 |          |
| 12.800        | 11235.398         | 5:52 |          |
| 12.867        | 11236.112         | 5:56 |          |
| 12.933        | 11236.827         | 6: 0 |          |
| 13.000        | 11236.827         | 6: 4 |          |
| 13.067        | 11236.112         | 6: 8 |          |
| 13.133        | 11236.112         | 6:12 |          |
| 13.200        | 11235.398         | 6:16 |          |
| 13.267        | 11235.398         | 6:20 |          |
| 13.333        | 11237.541         | 6:24 |          |
| 13.400        | 11236.112         | 6:28 |          |
| 13.467        | 11235.398         | 6:32 |          |
| 13.533        | 11235.398         | 6:36 |          |
| 13.600        | 11236.112         | 6:40 |          |
| 13.667        | 11235.398         | 6:44 |          |
| 13.733        | 11236.112         | 6:48 |          |
| 13.800        | 11235.398         | 6:52 |          |
| 13.867        | 11234.683         | 6:56 |          |
| 13.933        | 11235.398         | 7: 0 |          |
| 14.000        | 11234.683         | 7: 4 |          |
| 14.067        | 11234.683         | 7: 8 |          |
| 14.133        | 11234.683         | 7:12 |          |
| 14.200        | 11234.683         | 7:16 |          |
| 14.267        | 11233.968         | 7:20 |          |
| 14.333        | 11233.968         | 7:24 |          |
| 14.400        | 11233.968         | 7:28 |          |
| 14.467        | 11234.683         | 7:32 |          |
| 14.533        | 11233.968         | 7:36 |          |
| 14.600        | 11233.968         | 7:40 |          |
| 14.667        | 11233.968         | 7:44 |          |
| 14.733        | 11233.968         | 7:48 |          |
| 14.800        | 11233.968         | 7:52 |          |
| 14.867        | 11232.539         | 7:56 |          |
| 14.933        | 11233.254         | 8: 0 |          |
| 15.000        | 11233.968         | 8: 4 |          |
| 15.067        | 11233.968         | 8: 8 |          |
| 15.133        | 11233.254         | 8:12 |          |
| 15.200        | 11233.968         | 8:16 |          |
| 15.267        | 11233.968         | 8:20 |          |
| 15.333        | 11233.968         | 8:24 |          |
| 15.400        | 11233.254         | 8:28 |          |
| 15.467        | 11232.539         | 8:32 |          |
| 15.533        | 11233.968         | 8:36 |          |

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BRITISH PETROLEUM  
WILDCAT  
2976-1

OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NOR

DST 2; RUN 1. GAUGE 0039; SENSING DEPTH 4254.98 M. (SHUT IN PERIOD)

| DELTA<br>TIME | GAUGE<br>PRESSURE | TIME | DATE     |
|---------------|-------------------|------|----------|
| 15.600        | 11227.537         | 8:40 | 26- 4-82 |
| 15.667        | 11233.254         | 8:44 |          |
| 15.733        | 11234.683         | 8:48 |          |
| 15.800        | 11233.968         | 8:52 |          |
| 15.867        | 11233.968         | 8:56 |          |
| 15.933        | 11233.968         | 9: 0 |          |
| 16.000        | 11233.968         | 9: 4 |          |
| 16.067        | 12769.700         | 9: 8 |          |
| 16.133        | 13093.425         | 9:12 |          |
| 16.200        | 13179.180         | 9:16 |          |

ATTEMPT TO SHEAR APR-M

END OF SHUT IN PERIOD

BRITISH PETROLEUM  
WILDCAT  
2976-1



OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NOR

DST 2, RUN 1. GAUGE 0039, SENSING DEPTH 4254.98 M. (POST TEST PERIOD)

| DELTA TIME | GAUGE PRESSURE | TIME  | DATE     |                               |
|------------|----------------|-------|----------|-------------------------------|
| 0.000      | 13179.180      | 9:16  | 26- 4-82 | OPEN ON 4/64" ADJ             |
| 0.067      | 13026.250      | 9:20  |          | CHOKED AT 09:20               |
| 0.133      | 13026.250      | 9:24  |          |                               |
| 0.200      | 12555.312      | 9:28  |          | SHUT IN CHOKED AT 09:28       |
| 0.267      | 13001.238      | 9:32  |          |                               |
| 0.333      | 13348.547      | 9:36  |          | PRESSURE UP ANNULUS           |
| 0.400      | 13182.753      | 9:40  |          |                               |
| 0.467      | 13204.907      | 9:44  |          |                               |
| 0.533      | 12900.476      | 9:48  |          |                               |
| 0.600      | 12443.830      | 9:52  |          |                               |
| 0.667      | 11932.873      | 9:56  |          |                               |
| 0.733      | 11794.950      | 10: 0 |          |                               |
| 0.800      | 11836.398      | 10: 4 |          |                               |
| 0.867      | 11717.770      | 10: 8 |          |                               |
| 0.933      | 11677.751      | 10:12 |          |                               |
| 1.000      | 11704.192      | 10:16 |          | ATTEMPT TO OPEN RTTS          |
| 1.067      | 11698.475      | 10:20 |          | CIRCULATING VALVE AT 10:13    |
| 1.133      | 11697.761      | 10:24 |          |                               |
| 1.200      | 11717.056      | 10:28 |          |                               |
| 1.267      | 11660.600      | 10:32 |          | ATTEMPT TO OPEN RTTS          |
| 1.333      | 11674.893      | 10:36 |          | CIRCULATING VALVE AT 10:32    |
| 1.400      | 11664.888      | 10:40 |          |                               |
| 1.467      | 11686.327      | 10:44 |          |                               |
| 1.533      | 11708.480      | 10:48 |          | ATTEMPT TO OPEN RTTS          |
| 1.600      | 11759.933      | 10:52 |          | CIRCULATING VALVE AT 10:48    |
| 1.667      | 11778.513      | 10:56 |          | OPEN ON 32/64" A.C. AT 10:57  |
| 1.733      | 11677.751      | 11: 0 |          | SHUT IN CHOKED AT 11:00       |
| 1.800      | 11767.794      | 11: 4 |          | OPEN ON 12/64" A.C. AND TRY   |
| 1.867      | 11775.655      | 11: 8 |          | TO REVERSE CIRCULATE AT 11:02 |
| 1.933      | 11760.648      | 11:12 |          |                               |
| 2.000      | 11784.945      | 11:16 |          |                               |
| 2.067      | 12313.768      | 11:20 |          |                               |
| 2.133      | 12375.941      | 11:24 |          |                               |
| 2.200      | 11922.868      | 11:28 |          |                               |
| 2.267      | 11792.091      | 11:32 |          |                               |
| 2.333      | 11855.693      | 11:36 |          |                               |
| 2.400      | 12006.479      | 11:40 |          |                               |
| 2.467      | 11885.707      | 11:44 |          |                               |
| 2.533      | 11808.528      | 11:48 |          |                               |
| 2.600      | 12064.364      | 11:52 |          |                               |
| 2.667      | 11917.865      | 11:56 |          |                               |
| 2.733      | 11901.429      | 12: 0 |          |                               |
| 2.800      | 11878.561      | 12: 4 |          |                               |
| 2.867      | 11861.410      | 12: 8 |          |                               |
| 2.933      | 11802.096      | 12:12 |          |                               |
| 3.000      | 11758.504      | 12:16 |          | ATTEMPT TO OPEN               |

BRITISH PETROLEUM  
WILDCAT  
29/6-1OFFSHORE NORWAY  
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MRPG-1202(B)-NOR

DST 2; RUN 1. GAUGE 0039; SENSING DEPTH 4254.98 M. (POST TEST PERIOD)

| DELTA<br>TIME | GAUGE<br>PRESSURE | TIME  | DATE     |                            |
|---------------|-------------------|-------|----------|----------------------------|
| 3.067         | 11756.360         | 12:20 | 26- 4-82 | CIRCULATING VALVE AT 12:15 |
| 3.133         | 12429.538         | 12:24 |          |                            |
| 3.200         | 12703.954         | 12:28 |          |                            |
| 3.267         | 12800.429         | 12:32 |          |                            |
| 3.333         | 11967.175         | 12:36 |          |                            |
| 3.400         | 11914.292         | 12:40 |          | SHUT IN CHOKE AT 12:38     |
| 3.467         | 11895.712         | 12:44 |          |                            |
| 3.533         | 12712.530         | 12:48 |          |                            |
| 3.600         | 12791.853         | 12:52 |          |                            |
| 3.667         | 12864.030         | 12:56 |          |                            |
| 3.733         | 12798.285         | 13: 0 |          |                            |
| 3.800         | 12760.409         | 13: 4 |          |                            |
| 3.867         | 12732.539         | 13: 8 |          |                            |
| 3.933         | 12714.673         | 13:12 |          |                            |
| 4.000         | 12703.954         | 13:16 |          |                            |
| 4.067         | 11930.729         | 13:20 |          |                            |
| 4.133         | 11918.580         | 13:24 |          |                            |
| 4.200         | 11911.434         | 13:28 |          |                            |
| 4.267         | 11872.844         | 13:32 |          |                            |
| 4.333         | 11895.712         | 13:36 |          |                            |
| 4.400         | 11904.288         | 13:40 |          |                            |
| 4.467         | 11798.523         | 13:44 |          |                            |
| 4.533         | 12028.632         | 13:48 |          |                            |
| 4.600         | 12018.628         | 13:52 |          |                            |
| 4.667         | 11909.290         | 13:56 |          |                            |
| 4.733         | 11960.743         | 14: 0 |          |                            |
| 4.800         | 11953.597         | 14: 4 |          |                            |
| 4.867         | 11952.167         | 14: 8 |          |                            |
| 4.933         | 12000.047         | 14:12 |          |                            |
| 5.000         | 12253.740         | 14:16 |          |                            |
| 5.067         | 12229.442         | 14:20 |          |                            |
| 5.133         | 12207.289         | 14:24 |          |                            |
| 5.200         | 11934.302         | 14:28 |          |                            |
| 5.267         | 11933.587         | 14:32 |          |                            |
| 5.333         | 11915.722         | 14:36 |          |                            |
| 5.400         | 11993.616         | 14:40 |          |                            |
| 5.467         | 11939.304         | 14:44 |          |                            |
| 5.533         | 11895.712         | 14:48 |          |                            |
| 5.600         | 11867.127         | 14:52 |          |                            |
| 5.667         | 11668.461         | 14:56 |          |                            |
| 5.733         | 11717.770         | 15: 0 |          | OPEN ON 12/64" ADJ CHOKE   |
| 5.800         | 11746.355         | 15: 4 |          | AND COMMENCE REVERSE       |
| 5.867         | 11758.504         | 15: 8 |          | CIRCULATING                |
| 5.933         | 11762.792         | 15:12 |          |                            |
| 6.000         | 11757.789         | 15:16 |          |                            |
| 6.067         | 11776.369         | 15:20 |          |                            |
| 6.133         | 11776.369         | 15:24 |          |                            |

BRITISH PETROLEUM  
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2976-1OFFSHORE NORWAY  
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MRPG-1202(B)-NOR

DST 2, RUN 1. GAUGE 0039, SENSING DEPTH 4254.98 M. (POST TEST PERIOD)

| DELTA<br>TIME | GAUGE<br>PRESSURE | TIME  | DATE     |
|---------------|-------------------|-------|----------|
| 6.200         | 11773.511         | 15:28 | 26- 4-82 |
| 6.267         | 11777.799         | 15:32 |          |
| 6.333         | 11775.655         | 15:36 |          |
| 6.400         | 11814.959         | 15:40 |          |
| 6.467         | 12288.756         | 15:44 |          |
| 6.533         | 12819.009         | 15:48 |          |
| 6.600         | 12949.785         | 15:52 |          |
| 6.667         | 13083.420         | 15:56 |          |
| 6.733         | 13119.866         | 16: 0 |          |
| 6.800         | 13142.734         | 16: 4 |          |
| 6.867         | 13167.746         | 16: 8 |          |
| 6.933         | 13226.346         | 16:12 |          |
| 7.000         | 13195.617         | 16:16 |          |
| 7.067         | 13039.828         | 16:20 |          |
| 7.133         | 12970.510         | 16:24 |          |
| 7.200         | 12474.559         | 16:28 |          |
| 7.267         | 12929.776         | 16:32 |          |
| 7.333         | 13047.689         | 16:36 |          |
| 7.400         | 12792.568         | 16:40 |          |
| 7.467         | 11901.429         | 16:44 |          |
| 7.533         | 11823.535         | 16:48 |          |
| 7.600         | 12543.163         | 16:52 |          |
| 7.667         | 13046.260         | 16:56 |          |
| 7.733         | 13103.430         | 17: 0 |          |
| 7.800         | 13112.005         | 17: 4 |          |
| 7.867         | 11909.290         | 17: 8 |          |
| 7.933         | 11812.815         | 17:12 |          |
| 8.000         | 11799.952         | 17:16 |          |
| 8.067         | 11792.091         | 17:20 |          |
| 8.133         | 11799.952         | 17:24 |          |
| 8.200         | 11762.792         | 17:28 |          |
| 8.267         | 11774.226         | 17:32 |          |
| 8.333         | 11786.374         | 17:36 |          |
| 8.400         | 11797.094         | 17:40 |          |
| 8.467         | 11795.664         | 17:44 |          |
| 8.533         | 11789.233         | 17:48 |          |
| 8.600         | 11802.811         | 17:52 |          |
| 8.667         | 11802.096         | 17:56 |          |
| 8.733         | 11814.245         | 18: 0 |          |
| 8.800         | 11806.384         | 18: 4 |          |
| 8.867         | 11807.098         | 18: 8 |          |
| 8.933         | 11794.950         | 18:12 |          |
| 9.000         | 11800.667         | 18:16 |          |
| 9.067         | 11804.240         | 18:20 |          |
| 9.133         | 11785.660         | 18:24 |          |
| 9.200         | 11814.959         | 18:28 |          |
| 9.267         | 11838.542         | 18:32 |          |

CLOSE CHOKE MANIFOLD AND  
STOP REVERSE CIRCULATING

BRITISH PETROLEUM  
WILDCAT  
29/6-1OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NOR

DST 2; RUN 1. GAUGE 0039; SENSING DEPTH 4254.98 M. (POST TEST PERIOD)

| DELTA<br>TIME | GAUGE<br>PRESSURE | TIME  | DATE     |
|---------------|-------------------|-------|----------|
| 9.333         | 11832.110         | 18:36 | 26- 4-82 |
| 9.400         | 11837.827         | 18:40 |          |
| 9.467         | 11862.839         | 18:44 |          |
| 9.533         | 11861.410         | 18:48 |          |
| 9.600         | 11860.695         | 18:52 |          |
| 9.667         | 11857.837         | 18:56 |          |
| 9.733         | 11858.551         | 19: 0 |          |
| 9.800         | 11862.839         | 19: 4 |          |
| 9.867         | 11869.986         | 19: 8 |          |
| 9.933         | 11866.412         | 19:12 |          |
| 10.000        | 11877.846         | 19:16 |          |
| 10.067        | 11871.415         | 19:20 |          |
| 10.133        | 11903.573         | 19:24 |          |
| 10.200        | 11895.712         | 19:28 |          |
| 10.267        | 11888.566         | 19:32 |          |
| 10.333        | 11891.424         | 19:36 |          |
| 10.400        | 11894.997         | 19:40 |          |
| 10.467        | 11899.285         | 19:44 |          |
| 10.533        | 11912.863         | 19:48 |          |
| 10.600        | 11905.717         | 19:52 |          |
| 10.667        | 11913.578         | 19:56 |          |
| 10.733        | 11918.580         | 20: 0 |          |
| 10.800        | 11920.724         | 20: 4 |          |
| 10.867        | 11927.870         | 20: 8 |          |
| 10.933        | 11940.733         | 20:12 |          |
| 11.000        | 11929.299         | 20:16 |          |
| 11.067        | 11942.163         | 20:20 |          |
| 11.133        | 11936.446         | 20:24 |          |
| 11.200        | 11941.448         | 20:28 |          |
| 11.267        | 11945.021         | 20:32 |          |
| 11.333        | 11958.599         | 20:36 |          |
| 11.400        | 11955.741         | 20:40 |          |
| 11.467        | 11952.882         | 20:44 |          |
| 11.533        | 11962.172         | 20:48 |          |
| 11.600        | 11962.887         | 20:52 |          |
| 11.667        | 11962.172         | 20:56 |          |
| 11.733        | 11960.028         | 21: 0 |          |
| 11.800        | 11970.748         | 21: 4 |          |
| 11.867        | 11969.319         | 21: 8 |          |
| 11.933        | 11958.599         | 21:12 |          |
| 12.000        | 11972.177         | 21:16 |          |
| 12.067        | 11957.885         | 21:20 |          |
| 12.133        | 11963.602         | 21:24 |          |
| 12.200        | 11955.741         | 21:28 |          |
| 12.267        | 11942.163         | 21:32 |          |
| 12.333        | 11963.602         | 21:36 |          |
| 12.400        | 11951.453         | 21:40 |          |

BRITISH PETROLEUM  
WILDCAT  
29/6-1OFFSHORE NORWAY  
22 APRIL 1982  
MRPG-1202(B)-NOR

DST 2, RUN 1. GAUGE 0039, SENSING DEPTH 4254.98 M. (POST TEST PERIOD)

| DELTA<br>TIME | GAUGE<br>PRESSURE | TIME  | DATE                   |
|---------------|-------------------|-------|------------------------|
| 12.467        | 11977.894         | 21:44 | 26- 4-82               |
| 12.533        | 11943.592         | 21:48 |                        |
| 12.600        | 11912.863         | 21:52 |                        |
| 12.667        | 11947.880         | 21:56 |                        |
| 12.733        | 11925.726         | 22: 0 |                        |
| 12.800        | 11869.271         | 22: 4 |                        |
| 12.867        | 11872.844         | 22: 8 |                        |
| 12.933        | 11872.844         | 22:12 |                        |
| 13.000        | 11872.129         | 22:16 |                        |
| 13.067        | 11876.417         | 22:20 |                        |
| 13.133        | 11877.132         | 22:24 |                        |
| 13.200        | 11878.561         | 22:28 |                        |
| 13.267        | 11878.561         | 22:32 |                        |
| 13.333        | 11878.561         | 22:36 |                        |
| 13.400        | 11859.266         | 22:40 |                        |
| 13.467        | 11832.110         | 22:44 | UNSEAT PACKER AT 22:42 |
| 13.533        | 11892.854         | 22:48 |                        |
| 13.600        | 11835.683         | 22:52 |                        |
| 13.667        | 11817.818         | 22:56 | END OF TEST            |