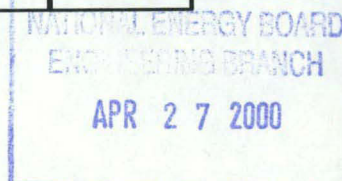


# Alpine Production Services

N.E.B. COPY

| <b>JOB # 4130</b><br><b>CUSTOMER : PARAMOUNT RESOURCES</b><br><b>CUSTOMER REP : DAVE WILSON</b><br><b>WELL NAME : PARAMOUNT BERKLEY NETLA</b><br><b>LOCATION : P - 57</b> |                                                                                              |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|---------------|----------------------------------|----------------------------|--------------------------------|-------------------------------------|----------------------|----------------------------|-----------------------------|----------------------------|----------------------------|
|                                                                                        |                                                                                              |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| Note : gas rate and cum gas include N2.                                                                                                                                   |                                                                                              |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| Date/Time<br>yy/mm/dd                                                                                                                                                     | AnnPres<br>kPa                                                                               | Static<br>kPa | GasRate<br>THm <sup>3</sup> /day | CumGas<br>THm <sup>3</sup> | N2Rate<br>m <sup>3</sup> /min. | NetGasRate<br>THm <sup>3</sup> /day | PumpRate<br>Lt./min. | Surf.Vol<br>m <sup>3</sup> | Gain/Loss<br>m <sup>3</sup> | Shipping<br>m <sup>3</sup> | CumFluid<br>m <sup>3</sup> |
| 2/18/99                                                                                                                                                                   |                                                                                              |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 12:00:00                                                                                                                                                                  | ARRIVE ON LOCATION TO SPOT EQUIPMENT + RIG UP TESTING EQUIPMENT.                             |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 2/19/99                                                                                                                                                                   |                                                                                              |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 11:00:00                                                                                                                                                                  | PRESSURE TEST RIG MANIFOLD + H.C.R LINES.                                                    |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 15:00:00                                                                                                                                                                  | PRESSURE TEST B.O.P STACK + R-B.O.P.                                                         |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 17:30:00                                                                                                                                                                  | PRESSURE TEST E.S.D + FLOWLINES.                                                             |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 18:00:00                                                                                                                                                                  | FINISHED PRESSURE TEST.                                                                      |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 18:15:00                                                                                                                                                                  | MAKE UP B.H.A.                                                                               |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 18:45:00                                                                                                                                                                  | START TO RUN IN HOLE WITH DRILL BIT.                                                         |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 23:00:00                                                                                                                                                                  | ON BOTTOM WITH DRILL BIT.                                                                    |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 2/20/99                                                                                                                                                                   |                                                                                              |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 0:30:00                                                                                                                                                                   | START TO DRILL OUT CEMENT + SHOE.                                                            |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 2:30:00                                                                                                                                                                   | FINISHED DRILLING OUT CEMENT + SHOE.                                                         |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 2:40:00                                                                                                                                                                   | PRESSURE TEST KELLY.                                                                         |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 3:40:00                                                                                                                                                                   | FINISHED PRESSURE TEST.                                                                      |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 3:42:00                                                                                                                                                                   | MAKE CONNECTION / CONTINUE DRILLING.                                                         |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 4:25:00                                                                                                                                                                   | MAKE CONNECTION / CONTINUE DRILLING.                                                         |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 8:10:00                                                                                                                                                                   | KELLY DOWN. STOP PUMPING FLUID, PREPARE TO BLOW DOWN HOLE.                                   |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 8:30:00                                                                                                                                                                   | DIVERT FLOW FROM SHAKER TO SEPARATOR.                                                        |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 9:00:00                                                                                                                                                                   | START PUMPING INVERT TO CIRCULATE DOWN DRILL PIPE.                                           |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 9:35:00                                                                                                                                                                   | STOP PUMPING INVERT, HOLD SAFETY MEETING.                                                    |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 9:55:00                                                                                                                                                                   | START PUMPING INVERT AND N2 TO BLOW DOWN HOLE.                                               |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 10:05:00                                                                                                                                                                  | STOP PUMPING INVERT AND N2 TO REPAIR LEAK IN STAND PIPE AND REPLACE RUBBER IN ROTATING HEAD. |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 11:10:00                                                                                                                                                                  | START PUMPING INVERT AND N2 TO BLOW DOWN HOLE.                                               |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 11:42:00                                                                                                                                                                  | STOP PUMPING INVERT AND N2 TO FREE TRANSFER LINE OF DEBRIS.                                  |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 12:30:00                                                                                                                                                                  | START PUMPING INVERT AND N2 TO BLOW DOWN HOLE.                                               |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 12:30:00                                                                                                                                                                  | 369.36                                                                                       | 54.51         | 52.13                            | 0.38                       | 30.00                          |                                     | 390.00               |                            |                             |                            |                            |

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# Alpine Production Services

| Note : gas rate and cum gas include N2. |                                                                                      |        |                       |                  |                      |                       |          |                |                |                |                |
|-----------------------------------------|--------------------------------------------------------------------------------------|--------|-----------------------|------------------|----------------------|-----------------------|----------|----------------|----------------|----------------|----------------|
| Date/Time                               | AnnPres                                                                              | Static | GasRate               | CumGas           | N2Rate               | NetGasRate            | PumpRate | Surf.Vol       | Gain/Loss      | Shipping       | CumFluid       |
| yy/mm/dd                                | kPa                                                                                  | kPa    | THm <sup>3</sup> /day | THm <sup>3</sup> | m <sup>3</sup> /min. | THm <sup>3</sup> /day | Lt./min. | m <sup>3</sup> | m <sup>3</sup> | m <sup>3</sup> | m <sup>3</sup> |
| 12:40:00                                | 81.62                                                                                | 6.56   | 0.00                  | 0.43             | 30.00                |                       | 390.00   |                |                |                |                |
| 12:50:00                                | 293.03                                                                               | 15.12  | 0.00                  | 0.43             | 30.00                |                       | 390.00   |                |                |                |                |
| 99/02/20                                |                                                                                      |        |                       |                  |                      |                       |          |                |                |                |                |
| 12:54:00                                | N2 TO SURFACE START PUMPING N2 AT 35 m <sup>3</sup> /min. AND INVERT AT 390 Lt./min. |        |                       |                  |                      |                       |          |                |                |                |                |
| 13:00:00                                | START DRILLING AT 2079 m.                                                            |        |                       |                  |                      |                       |          |                |                |                |                |
| 13:00:00                                | 442.77                                                                               | 102.47 | 44.19                 | 0.62             | 35.00                | 0.00                  | 390.00   | 61.75          | 0.00           | 0.00           | 0.00           |
| 13:10:00                                | 313.58                                                                               | 74.58  | 13.02                 | 0.63             | 35.00                | 0.00                  | 390.00   |                |                |                |                |
| 13:20:00                                | 278.34                                                                               | 63.81  | 12.46                 | 0.71             | 35.00                | 0.00                  | 390.00   |                |                |                |                |
| 13:30:00                                | 315.27                                                                               | 62.48  | 31.22                 | 0.95             | 35.00                | 0.00                  | 390.00   |                |                |                |                |
| 13:40:00                                | 340.00                                                                               | 70.91  | 28.11                 | 1.15             | 35.00                | 0.00                  | 390.00   |                |                |                |                |
| 13:47:00                                | STOP PUMPING N2 AND INVERT TO MAKE A CONNECTION.                                     |        |                       |                  |                      |                       |          |                |                |                |                |
| 13:50:00                                | 303.53                                                                               | 75.69  | 0.00                  | 1.33             | 0.00                 | 0.00                  | 0.00     |                |                |                |                |
| 13:53:00                                | DROP 2080 m SAMPLE.                                                                  |        |                       |                  |                      |                       |          |                |                |                |                |
| 13:54:00                                | CONNECTION IS COMPLETE. START PUMPING N2 AND INVERT TO RESUME DRILLING.              |        |                       |                  |                      |                       |          |                |                |                |                |
| 14:00:00                                | 155.03                                                                               | 34.94  | 0.00                  | 1.33             | 35.00                | 0.00                  | 390.00   | 60.70          | -1.05          | 0.00           | -1.05          |
| 14:00:00                                | INVERT LOST TO HOLE.                                                                 |        |                       |                  |                      |                       |          |                |                |                |                |
| 14:10:00                                | 134.47                                                                               | 31.51  | 0.00                  | 1.37             | 35.00                | 0.00                  | 390.00   |                |                |                |                |
| 14:20:00                                | 144.49                                                                               | 8.61   | 10.09                 | 1.40             | 35.00                | 0.00                  | 390.00   |                |                |                |                |
| 14:30:00                                | 351.75                                                                               | 85.34  | 0.00                  | 1.66             | 35.00                | 0.00                  | 390.00   |                |                |                |                |
| 14:40:00                                | 353.00                                                                               | 81.06  | 20.83                 | 1.76             | 35.00                | 0.00                  | 390.00   |                |                |                |                |
| 14:50:00                                | 331.19                                                                               | 78.49  | 22.30                 | 1.89             | 35.00                | 0.00                  | 390.00   |                |                |                |                |
| 15:00:00                                | 316.51                                                                               | 73.84  | 18.28                 | 2.02             | 35.00                | 0.00                  | 390.00   | 59.30          | -1.40          | 0.00           | -2.45          |
| 15:00:00                                | INVERT LOST TO HOLE.                                                                 |        |                       |                  |                      |                       |          |                |                |                |                |
| 15:10:00                                | 328.26                                                                               | 73.35  | 18.73                 | 2.16             | 35.00                | 0.00                  | 390.00   |                |                |                |                |
| 15:20:00                                | 328.26                                                                               | 75.07  | 22.57                 | 2.31             | 35.00                | 0.00                  | 390.00   |                |                |                |                |
| 15:29:00                                | DROP 2085 m SAMPLE.                                                                  |        |                       |                  |                      |                       |          |                |                |                |                |
| 15:30:00                                | 327.01                                                                               | 79.35  | 23.39                 | 2.46             | 35.00                | 0.00                  | 390.00   |                |                |                |                |
| 15:40:00                                | 357.62                                                                               | 86.32  | 29.95                 | 2.63             | 35.00                | 0.00                  | 390.00   |                |                |                |                |
| 15:50:00                                | 348.81                                                                               | 90.73  | 23.73                 | 2.79             | 35.00                | 0.00                  | 390.00   |                |                |                |                |
| 16:00:00                                | 345.88                                                                               | 91.95  | 18.92                 | 2.95             | 35.00                | 0.00                  | 390.00   | 59.10          | -0.20          | 0.00           | -2.65          |
| 16:00:00                                | INVERT LOST TO HOLE.                                                                 |        |                       |                  |                      |                       |          |                |                |                |                |
| 16:10:00                                | 340.00                                                                               | 94.89  | 26.67                 | 3.11             | 35.00                | 0.00                  | 390.00   |                |                |                |                |
| 16:20:00                                | 372.30                                                                               | 100.51 | 26.30                 | 3.28             | 35.00                | 0.00                  | 390.00   |                |                |                |                |
| 16:30:00                                | 359.30                                                                               | 110.18 | 23.48                 | 3.46             | 35.00                | 0.00                  | 390.00   |                |                |                |                |

# Alpine Production Services

| Note : gas rate and cum gas include N2. |                                                                         |        |                       |                  |                      |                       |          |                |                |                |                |
|-----------------------------------------|-------------------------------------------------------------------------|--------|-----------------------|------------------|----------------------|-----------------------|----------|----------------|----------------|----------------|----------------|
| Date/Time                               | AnnPres                                                                 | Static | GasRate               | CumGas           | N2Rate               | NetGasRate            | PumpRate | Surf.Vol       | Gain/Loss      | Shipping       | CumFluid       |
| yy/mm/dd                                | kPa                                                                     | kPa    | THm <sup>3</sup> /day | THm <sup>3</sup> | m <sup>3</sup> /min. | THm <sup>3</sup> /day | Lt./min. | m <sup>3</sup> | m <sup>3</sup> | m <sup>3</sup> | m <sup>3</sup> |
| 99/02/20                                |                                                                         |        |                       |                  |                      |                       |          |                |                |                |                |
| 16:34:00                                | STOP PUMPING N2 AND INVERT TO MAKE A CONNECTION.                        |        |                       |                  |                      |                       |          |                |                |                |                |
| 16:40:00                                | 231.37                                                                  | 101.25 | 0.00                  | 3.60             | 0.00                 | 0.00                  | 0.00     |                |                |                |                |
| 16:40:00                                | CONNECTION IS COMPLETE. START PUMPING N2 AND INVERT TO RESUME DRILLING. |        |                       |                  |                      |                       |          |                |                |                |                |
| 16:45:00                                | DROP 2090 m SAMPLE.                                                     |        |                       |                  |                      |                       |          |                |                |                |                |
| 16:50:00                                | 207.88                                                                  | 82.65  | 25.79                 | 3.70             | 35.00                | 0.00                  | 390.00   |                |                |                |                |
| 17:00:00                                | 125.67                                                                  | 61.61  | 0.00                  | 3.79             | 35.00                | 0.00                  | 390.00   | 55.60          | -3.50          | 0.00           | -6.15          |
| 17:00:00                                | INVERT LOST TO HOLE.                                                    |        |                       |                  |                      |                       |          |                |                |                |                |
| 17:10:00                                | 442.77                                                                  | 101.74 | 48.14                 | 4.00             | 35.00                | 0.00                  | 390.00   |                |                |                |                |
| 17:20:00                                | 322.39                                                                  | 105.16 | 22.84                 | 4.24             | 35.00                | 0.00                  | 390.00   |                |                |                |                |
| 17:30:00                                | 319.45                                                                  | 112.99 | 24.53                 | 4.42             | 35.00                | 0.00                  | 390.00   |                |                |                |                |
| 17:40:00                                | 334.13                                                                  | 109.32 | 24.52                 | 4.58             | 35.00                | 0.00                  | 390.00   |                |                |                |                |
| 17:50:00                                | 335.38                                                                  | 111.89 | 24.07                 | 4.75             | 35.00                | 0.00                  | 390.00   |                |                |                |                |
| 17:55:00                                | INCREASE N2 RATE TO 40 m <sup>3</sup> /min.                             |        |                       |                  |                      |                       |          |                |                |                |                |
| 18:00:00                                | 401.66                                                                  | 122.53 | 27.65                 | 4.94             | 40.00                | 0.00                  | 390.00   | 58.10          | 2.50           | 0.00           | -3.65          |
| 18:00:00                                | INVERT GAINED DUE TO INCREASE OF N2 RATE.                               |        |                       |                  |                      |                       |          |                |                |                |                |
| 18:10:00                                | 426.42                                                                  | 151.54 | 29.18                 | 5.15             | 40.00                | 0.00                  | 390.00   |                |                |                |                |
| 18:09:00                                | DROP 2095 m SAMPLE.                                                     |        |                       |                  |                      |                       |          |                |                |                |                |
| 18:20:00                                | 454.51                                                                  | 160.46 | 26.60                 | 5.35             | 40.00                | 0.00                  | 390.00   |                |                |                |                |
| 18:30:00                                | 416.34                                                                  | 170.49 | 28.70                 | 5.56             | 40.00                | 0.00                  | 390.00   |                |                |                |                |
| 18:40:00                                | 395.79                                                                  | 170.98 | 26.22                 | 5.75             | 40.00                | 0.00                  | 390.00   |                |                |                |                |
| 18:50:00                                | 412.14                                                                  | 177.94 | 27.41                 | 5.96             | 40.00                | 0.00                  | 390.00   |                |                |                |                |
| 19:00:00                                | 405.86                                                                  | 187.27 | 33.38                 | 6.17             | 40.00                | 0.00                  | 390.00   | 59.40          | 1.30           | 0.00           | -2.35          |
| 19:00:00                                | INVERT GAINED DUE TO INCREASE OF N2 RATE.                               |        |                       |                  |                      |                       |          |                |                |                |                |
| 19:10:00                                | 425.15                                                                  | 198.38 | 34.84                 | 6.39             | 40.00                | 0.00                  | 390.00   |                |                |                |                |
| 19:15:00                                | STOP PUMPING N2 AND INVERT TO MAKE A CONNECTION.                        |        |                       |                  |                      |                       |          |                |                |                |                |
| 19:20:00                                | 426.42                                                                  | 212.48 | 33.14                 | 6.63             | 0.00                 | 0.00                  | 0.00     |                |                |                |                |
| 19:26:00                                | SWITCH OVER TO SECONDARY RIG PUMP.                                      |        |                       |                  |                      |                       |          |                |                |                |                |
| 19:27:00                                | CONNECTION IS COMPLETE. START PUMPING N2 AND INVERT TO RESUME DRILLING. |        |                       |                  |                      |                       |          |                |                |                |                |
| 19:27:00                                | INCREASE INVERT PUMP RATE TO 540 Lt./min.                               |        |                       |                  |                      |                       |          |                |                |                |                |
| 19:29:00                                | DROP 2100 m SAMPLE.                                                     |        |                       |                  |                      |                       |          |                |                |                |                |
| 19:30:00                                | 313.58                                                                  | 177.10 | 34.59                 | 6.76             | 40.00                | 0.00                  | 540.00   |                |                |                |                |
| 99/02/20                                |                                                                         |        |                       |                  |                      |                       |          |                |                |                |                |
| 19:40:00                                | 316.51                                                                  | 150.92 | 14.20                 | 6.92             | 40.00                | 0.00                  | 540.00   |                |                |                |                |

# Alpine Production Services

| Note : gas rate and cum gas include N2. |                                                                         |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
|-----------------------------------------|-------------------------------------------------------------------------|---------------|----------------------------------|----------------------------|--------------------------------|-------------------------------------|----------------------|----------------------------|-----------------------------|----------------------------|----------------------------|
| Date/Time<br>yy/mm/dd                   | AnnPres<br>kPa                                                          | Static<br>kPa | GasRate<br>THm <sup>3</sup> /day | CumGas<br>THm <sup>3</sup> | N2Rate<br>m <sup>3</sup> /min. | NetGasRate<br>THm <sup>3</sup> /day | PumpRate<br>Lt./min. | Surf.Vol<br>m <sup>3</sup> | Gain/Loss<br>m <sup>3</sup> | Shipping<br>m <sup>3</sup> | CumFluid<br>m <sup>3</sup> |
| 19:50:00                                | 454.89                                                                  | 247.26        | 34.68                            | 7.32                       | 40.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 19:57:00                                | DECREASE N2 RATE TO 35 m <sup>3</sup> /min.                             |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 20:00:00                                | 509.01                                                                  | 239.58        | 39.34                            | 7.51                       | 35.00                          | 0.00                                | 540.00               | 52.10                      | -7.30                       | 0.00                       | -9.65                      |
| 20:00:00                                | INVERT LOST TO HOLE.                                                    |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 20:10:00                                | 592.51                                                                  | 292.58        | 41.98                            | 7.83                       | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 20:20:00                                | 548.47                                                                  | 328.31        | 37.72                            | 8.13                       | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 20:30:00                                | 589.57                                                                  | 365.74        | 52.70                            | 8.45                       | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 20:40:00                                | 633.61                                                                  | 425.93        | 60.06                            | 8.83                       | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 20:45:00                                | DROP 2105 m SAMPLE.                                                     |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 20:50:00                                | 718.76                                                                  | 513.28        | 74.41                            | 9.27                       | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 21:00:00                                | 482.96                                                                  | 58.10         | 30.28                            | 9.48                       | 35.00                          | 0.00                                | 540.00               | 51.80                      | -0.30                       | 0.00                       | -9.95                      |
| 21:00:00                                | INVERT LOST TO HOLE.                                                    |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 21:10:00                                | 445.70                                                                  | 62.34         | 0.00                             | 9.61                       | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 21:20:00                                | 432.29                                                                  | 66.62         | 17.64                            | 9.75                       | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 21:21:00                                | STOP PUMPING N2 AND INVERT TO MAKE A CONNECTION.                        |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 21:27:00                                | CONNECTION IS COMPLETE. START PUMPING N2 AND INVERT TO RESUME DRILLING. |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 21:30:00                                | 231.37                                                                  | 37.88         | 5.33                             | 9.82                       | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 21:40:00                                | 334.13                                                                  | 35.92         | 28.78                            | 9.94                       | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 21:45:00                                | DROP 2110 m SAMPLE.                                                     |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 21:50:00                                | 442.77                                                                  | 55.98         | 34.18                            | 10.08                      | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 22:00:00                                | 463.32                                                                  | 51.09         | 27.40                            | 10.25                      | 35.00                          | 0.00                                | 540.00               | 52.10                      | 0.30                        | 0.00                       | -9.65                      |
| 22:00:00                                | INVERT GAINED FROM HOLE.                                                |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 22:10:00                                | 428.09                                                                  | 45.46         | 38.45                            | 10.45                      | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 22:20:00                                | 416.34                                                                  | 42.52         | 22.94                            | 10.70                      | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 22:30:00                                | 448.64                                                                  | 40.32         | 27.34                            | 10.83                      | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 22:32:00                                | FINISHED ADDING 10 m3 TO RIG TANK.                                      |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 22:40:00                                | 450.30                                                                  | 38.99         | 35.82                            | 11.05                      | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 22:50:00                                | 441.49                                                                  | 37.52         | 45.33                            | 11.33                      | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 23:00:00                                | 433.96                                                                  | 34.70         | 45.27                            | 11.85                      | 35.00                          | 0.00                                | 540.00               | 61.10                      | -1.00                       | -10.00                     | -10.65                     |
| 23:00:00                                | INVERT LOST TO HOLE.                                                    |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 99/02/20                                |                                                                         |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 23:10:00                                | 420.55                                                                  | 32.84         | 47.66                            | 12.17                      | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 23:20:00                                | 435.62                                                                  | 32.39         | 50.53                            | 12.51                      | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 23:27:00                                | STOP PUMPING N2 AND INVERT TO MAKE A CONNECTION.                        |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |

# Alpine Production Services

| Note : gas rate and cum gas include N2. |                                                                         |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
|-----------------------------------------|-------------------------------------------------------------------------|---------------|----------------------------------|----------------------------|--------------------------------|-------------------------------------|----------------------|----------------------------|-----------------------------|----------------------------|----------------------------|
| Date/Time<br>yy/mm/dd                   | AnnPres<br>kPa                                                          | Static<br>kPa | GasRate<br>THm <sup>3</sup> /day | CumGas<br>THm <sup>3</sup> | N2Rate<br>m <sup>3</sup> /min. | NetGasRate<br>THm <sup>3</sup> /day | PumpRate<br>Lt./min. | Surf.Vol<br>m <sup>3</sup> | Gain/Loss<br>m <sup>3</sup> | Shipping<br>m <sup>3</sup> | CumFluid<br>m <sup>3</sup> |
| 23:30:00                                | 272.47                                                                  | 29.31         | 0.00                             | 12.80                      | 0.00                           | 0.00                                | 0.00                 |                            |                             |                            |                            |
| 23:32:00                                | CONNECTION IS COMPLETE. START PUMPING N2 AND INVERT TO RESUME DRILLING. |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 23:40:00                                | 369.36                                                                  | 24.91         | 36.41                            | 12.89                      | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 23:50:00                                | 475.06                                                                  | 25.89         | 57.51                            | 13.18                      | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 99/02/21                                |                                                                         |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 0:00:01                                 | 460.38                                                                  | 44.24         | 31.58                            | 13.33                      | 35.00                          | 0.00                                | 540.00               | 61.40                      | 0.30                        | -10.00                     | -10.35                     |
| 0:00:00                                 | INVERT GAINED FROM HOLE.                                                |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 0:01:00                                 | DROP 2120 m SAMPLE.                                                     |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 0:10:01                                 | 428.09                                                                  | 45.71         | 16.59                            | 13.47                      | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 0:20:01                                 | 436.89                                                                  | 48.40         | 26.50                            | 13.64                      | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 0:30:01                                 | 409.20                                                                  | 44.37         | 16.44                            | 13.73                      | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 0:40:01                                 | 442.77                                                                  | 45.71         | 25.39                            | 13.88                      | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 0:50:01                                 | 408.80                                                                  | 49.73         | 29.40                            | 14.06                      | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 0:52:00                                 | DROP 2125 m SAMPLE.                                                     |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 1:00:01                                 | 451.58                                                                  | 49.38         | 14.64                            | 14.19                      | 35.00                          | 0.00                                | 540.00               | 60.50                      | -0.90                       | -10.00                     | -11.25                     |
| 1:00:01                                 | INVERT LOST TO HOLE.                                                    |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 1:10:01                                 | 454.51                                                                  | 46.19         | 32.15                            | 14.30                      | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 1:20:02                                 | 448.64                                                                  | 45.71         | 24.71                            | 14.42                      | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 1:30:01                                 | 466.26                                                                  | 46.19         | 14.21                            | 14.56                      | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 1:30:00                                 | STOP PUMPING N2 AND INVERT TO MAKE A CONNECTION.                        |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 1:38:00                                 | CONNECTION IS COMPLETE. START PUMPING N2 AND INVERT TO RESUME DRILLING. |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 1:40:01                                 | 234.30                                                                  | 23.68         | 10.30                            | 14.63                      | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 1:50:01                                 | 184.39                                                                  | 19.04         | 0.00                             | 14.73                      | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 2:00:01                                 | 385.31                                                                  | 24.28         | 28.62                            | 14.84                      | 35.00                          | 0.00                                | 540.00               | 59.20                      | -1.30                       | -10.00                     | -12.55                     |
| 2:00:01                                 | INVERT LOST TO HOLE.                                                    |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 2:10:01                                 | 519.11                                                                  | 52.31         | 20.82                            | 15.06                      | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 2:20:01                                 | 457.45                                                                  | 49.62         | 17.42                            | 15.18                      | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 2:30:01                                 | 435.23                                                                  | 54.38         | 0.00                             | 15.29                      | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 99/02/21                                |                                                                         |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 2:40:01                                 | 415.07                                                                  | 43.88         | 21.73                            | 15.37                      | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 2:50:01                                 | 435.23                                                                  | 45.32         | 12.76                            | 15.49                      | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |
| 2:55:00                                 | DROP 2135 m SAMPLE.                                                     |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 3:00:01                                 | 426.81                                                                  | 46.82         | 19.86                            | 15.61                      | 35.00                          | 0.00                                | 540.00               | 59.20                      | 0.00                        | -10.00                     | -12.55                     |
| 3:10:01                                 | 482.59                                                                  | 52.20         | 28.29                            | 15.74                      | 35.00                          | 0.00                                | 540.00               |                            |                             |                            |                            |

# Alpine Production Services

| Note : gas rate and cum gas include N2. |                                                                            |        |                       |                  |                      |                       |          |                |                |                |                |
|-----------------------------------------|----------------------------------------------------------------------------|--------|-----------------------|------------------|----------------------|-----------------------|----------|----------------|----------------|----------------|----------------|
| Date/Time                               | AnnPres                                                                    | Static | GasRate               | CumGas           | N2Rate               | NetGasRate            | PumpRate | Surf.Vol       | Gain/Loss      | Shipping       | CumFluid       |
| yy/mm/dd                                | kPa                                                                        | kPa    | THm <sup>3</sup> /day | THm <sup>3</sup> | m <sup>3</sup> /min. | THm <sup>3</sup> /day | Lt./min. | m <sup>3</sup> | m <sup>3</sup> | m <sup>3</sup> | m <sup>3</sup> |
| 3:20:01                                 | 463.32                                                                     | 47.91  | 15.67                 | 15.86            | 35.00                | 0.00                  | 540.00   |                |                |                |                |
| 3:22:00                                 | STOP PUMPING N2 AND INVERT TO MAKE A CONNECTION.                           |        |                       |                  |                      |                       |          |                |                |                |                |
| 3:26:00                                 | CONNECTION IS COMPLETE. START PUMPING N2 AND INVERT TO RESUME DRILLING.    |        |                       |                  |                      |                       |          |                |                |                |                |
| 3:30:01                                 | 290.09                                                                     | 28.58  | 4.44                  | 15.94            | 35.00                | 0.00                  | 540.00   |                |                |                |                |
| 3:40:01                                 | 342.94                                                                     | 27.35  | 23.87                 | 16.05            | 35.00                | 0.00                  | 540.00   |                |                |                |                |
| 3:50:01                                 | 442.77                                                                     | 41.30  | 25.96                 | 16.21            | 35.00                | 0.00                  | 540.00   |                |                |                |                |
| 3:55:00                                 | DROP 2140 m SAMPLE.                                                        |        |                       |                  |                      |                       |          |                |                |                |                |
| 4:00:01                                 | 419.28                                                                     | 52.07  | 15.07                 | 16.38            | 35.00                | 0.00                  | 540.00   | 59.50          | 0.30           | -10.00         | -12.25         |
| 4:00:00                                 | INVERT GAINED FROM HOLE.                                                   |        |                       |                  |                      |                       |          |                |                |                |                |
| 4:10:02                                 | 442.77                                                                     | 50.60  | 18.42                 | 16.50            | 35.00                | 0.00                  | 540.00   |                |                |                |                |
| 4:20:01                                 | 397.05                                                                     | 44.35  | 12.18                 | 16.61            | 35.00                | 0.00                  | 540.00   |                |                |                |                |
| 4:30:01                                 | 445.70                                                                     | 43.50  | 13.94                 | 16.73            | 35.00                | 0.00                  | 540.00   |                |                |                |                |
| 4:40:01                                 | 419.28                                                                     | 45.95  | 18.70                 | 16.85            | 35.00                | 0.00                  | 540.00   |                |                |                |                |
| 4:50:01                                 | 469.19                                                                     | 52.07  | 18.21                 | 16.98            | 35.00                | 0.00                  | 540.00   |                |                |                |                |
| 4:55:01                                 | DROP 2145 m SAMPLE.                                                        |        |                       |                  |                      |                       |          |                |                |                |                |
| 5:00:01                                 | 461.66                                                                     | 52.42  | 17.04                 | 17.11            | 35.00                | 0.00                  | 540.00   | 58.70          | -0.80          | -10.00         | -13.05         |
| 5:00:00                                 | INVERT LOST TO HOLE.                                                       |        |                       |                  |                      |                       |          |                |                |                |                |
| 5:01:00                                 | STOP PUMPING N2 AND INVERT TO MAKE A CONNECTION.                           |        |                       |                  |                      |                       |          |                |                |                |                |
| 5:06:00                                 | CONNECTION IS COMPLETE. START PUMPING N2 AND INVERT TO RESUME DRILLING.    |        |                       |                  |                      |                       |          |                |                |                |                |
| 5:10:01                                 | 248.98                                                                     | 14.39  | 14.39                 | 17.18            | 35.00                | 0.00                  | 540.00   |                |                |                |                |
| 5:20:01                                 | 304.77                                                                     | 32.72  | 32.72                 | 17.30            | 35.00                | 0.00                  | 540.00   |                |                |                |                |
| 5:30:02                                 | 433.96                                                                     | 42.04  | 18.94                 | 17.42            | 35.00                | 0.00                  | 540.00   |                |                |                |                |
| 5:34:00                                 | DROP 2150 m SAMPLE.                                                        |        |                       |                  |                      |                       |          |                |                |                |                |
| 5:40:01                                 | 463.32                                                                     | 56.47  | 18.24                 | 17.56            | 35.00                | 0.00                  | 540.00   |                |                |                |                |
| 5:50:01                                 | 460.38                                                                     | 51.82  | 19.28                 | 17.67            | 35.00                | 0.00                  | 540.00   |                |                |                |                |
| 5:59:00                                 | HIT DRILLING BREAK, CIRCULATE UP 2153 m SAMPLE.                            |        |                       |                  |                      |                       |          |                |                |                |                |
| 99/02/21                                |                                                                            |        |                       |                  |                      |                       |          |                |                |                |                |
| 6:00:01                                 | 398.73                                                                     | 50.35  | 15.31                 | 17.79            | 35.00                | 0.00                  | 540.00   | 58.50          | -0.20          | -10.00         | -13.25         |
| 6:00:00                                 | INVERT LOST TO HOLE.                                                       |        |                       |                  |                      |                       |          |                |                |                |                |
| 6:00:00                                 | NET GAS FLARED FOR 17 HRS = 0 THm <sup>3</sup> /day.                       |        |                       |                  |                      |                       |          |                |                |                |                |
|                                         | TOTAL INVERT LOST FOR 17 HRS = 13.25 m <sup>3</sup> .                      |        |                       |                  |                      |                       |          |                |                |                |                |
|                                         | INVERT IS NOT ACTUALLY LOST, IT IS MOST LIKELY JUST SUSPENDED IN THE HOLE. |        |                       |                  |                      |                       |          |                |                |                |                |
|                                         | TOTAL AMOUNT OF INVERT ADDED TO RIG TANK FOR 17 HRS = 10 m <sup>3</sup> .  |        |                       |                  |                      |                       |          |                |                |                |                |
|                                         | H2S READING = 0 %.                                                         |        |                       |                  |                      |                       |          |                |                |                |                |

# Alpine Production Services

| Note : gas rate and cum gas include N2. |                                                                                             |        |                       |                  |                      |                       |          |                |                |                |                |
|-----------------------------------------|---------------------------------------------------------------------------------------------|--------|-----------------------|------------------|----------------------|-----------------------|----------|----------------|----------------|----------------|----------------|
| Date/Time                               | AnnPres                                                                                     | Static | GasRate               | CumGas           | N2Rate               | NetGasRate            | PumpRate | Surf.Vol       | Gain/Loss      | Shipping       | CumFluid       |
| yy/mm/dd                                | kPa                                                                                         | kPa    | THm <sup>3</sup> /day | THm <sup>3</sup> | m <sup>3</sup> /min. | THm <sup>3</sup> /day | Lt./min. | m <sup>3</sup> | m <sup>3</sup> | m <sup>3</sup> | m <sup>3</sup> |
| 99/02/21                                |                                                                                             |        |                       |                  |                      |                       |          |                |                |                |                |
| 6:10:01                                 | 416.34                                                                                      | 40.81  | 17.07                 | 17.91            | 35.00                | 0.00                  | 540.00   |                |                |                |                |
| 6:20:01                                 | 431.02                                                                                      | 41.55  | 16.06                 | 18.03            | 35.00                | 0.00                  | 540.00   |                |                |                |                |
| 6:22:00                                 | STOP PUMPING N2 AND INVERT TO MAKE A CONNECTION.                                            |        |                       |                  |                      |                       |          |                |                |                |                |
| 6:26:00                                 | CONNECTION IS COMPLETE. START PUMPING INVERT AND N2 TO RESUME DRILLING.                     |        |                       |                  |                      |                       |          |                |                |                |                |
| 6:26:00                                 | SWITCH BACK TO PRIMARY RIG PUMP AND DECREASE INVERT RATE TO 360 Lt./min.                    |        |                       |                  |                      |                       |          |                |                |                |                |
| 6:30:01                                 | 250.69                                                                                      | 24.56  | 11.43                 | 18.12            | 35.00                | 0.00                  | 360.00   |                |                |                |                |
| 6:40:01                                 | 248.98                                                                                      | 19.28  | 15.62                 | 18.22            | 35.00                | 0.00                  | 360.00   |                |                |                |                |
| 6:50:02                                 | 272.47                                                                                      | 21.48  | 14.64                 | 18.33            | 35.00                | 0.00                  | 360.00   |                |                |                |                |
| 6:56:00                                 | INCREASE N2 RATE TO 40 m <sup>3</sup> /min.                                                 |        |                       |                  |                      |                       |          |                |                |                |                |
| 7:00:01                                 | 507.36                                                                                      | 84.85  | 32.37                 | 18.51            | 40.00                | 0.00                  | 360.00   | 63.30          | 4.80           | -10.00         | -8.45          |
| 7:00:00                                 | HOLE IS UNLOADING. INVERT GAIN DUE TO INCREASE OF N2 RATE AND DECREASE OF INVERT PUMP RATE. |        |                       |                  |                      |                       |          |                |                |                |                |
| 7:02:00                                 | DROP 2155 m SAMPLE.                                                                         |        |                       |                  |                      |                       |          |                |                |                |                |
| 7:10:01                                 | 435.62                                                                                      | 64.68  | 19.37                 | 18.62            | 40.00                | 0.00                  | 360.00   |                |                |                |                |
| 7:20:01                                 | 384.46                                                                                      | 58.94  | 15.72                 | 18.74            | 40.00                | 0.00                  | 360.00   |                |                |                |                |
| 7:21:00                                 | STOP PUMPING N2 AND INVERT TO MAKE A CONNECTION.                                            |        |                       |                  |                      |                       |          |                |                |                |                |
| 7:25:00                                 | CONNECTION IS COMPLETE. START PUMPING INVERT AND N2 TO RESUME DRILLING.                     |        |                       |                  |                      |                       |          |                |                |                |                |
| 7:30:01                                 | 275.41                                                                                      | 37.63  | 15.87                 | 18.83            | 40.00                | 0.00                  | 360.00   |                |                |                |                |
| 7:40:01                                 | 586.64                                                                                      | 17.57  | 40.70                 | 18.92            | 40.00                | 0.00                  | 360.00   |                |                |                |                |
| 7:46:00                                 | DROP 2160 m SAMPLE.                                                                         |        |                       |                  |                      |                       |          |                |                |                |                |
| 7:50:01                                 | 401.66                                                                                      | 58.92  | 15.03                 | 19.08            | 40.00                | 0.00                  | 360.00   |                |                |                |                |
| 8:00:01                                 | 398.73                                                                                      | 62.83  | 22.74                 | 19.21            | 40.00                | 0.00                  | 360.00   | 64.30          | 1.00           | -10.00         | -7.45          |
| 8:00:00                                 | INVERT GAIN DUE TO HOLE UNLOADING.                                                          |        |                       |                  |                      |                       |          |                |                |                |                |
| 8:10:01                                 | 522.04                                                                                      | 51.09  | 0.00                  | 19.33            | 40.00                | 0.00                  | 360.00   |                |                |                |                |
| 8:14:00                                 | DROP 2165 m SAMPLE.                                                                         |        |                       |                  |                      |                       |          |                |                |                |                |
| 8:20:01                                 | 398.73                                                                                      | 59.16  | 15.53                 | 19.46            | 40.00                | 0.00                  | 360.00   |                |                |                |                |
| 8:24:00                                 | STOP PUMPING N2 AND INVERT TO MAKE A CONNECTION.                                            |        |                       |                  |                      |                       |          |                |                |                |                |
| 8:29:00                                 | CONNECTION IS COMPLETE. START PUMPING INVERT AND N2 TO RESUME DRILLING.                     |        |                       |                  |                      |                       |          |                |                |                |                |
| 8:30:01                                 | 290.09                                                                                      | 46.44  | 12.74                 | 19.58            | 40.00                | 0.00                  | 360.00   |                |                |                |                |
| 8:40:02                                 | 281.28                                                                                      | 36.16  | 20.02                 | 19.68            | 40.00                | 0.00                  | 360.00   |                |                |                |                |
| 8:50:01                                 | 394.12                                                                                      | 47.28  | 20.05                 | 19.79            | 40.00                | 0.00                  | 360.00   |                |                |                |                |
| 8:56:00                                 | DROP 2170 m SAMPLE.                                                                         |        |                       |                  |                      |                       |          |                |                |                |                |
| 99/02/21                                |                                                                                             |        |                       |                  |                      |                       |          |                |                |                |                |
| 9:00:01                                 | 404.60                                                                                      | 68.95  | 0.00                  | 19.92            | 40.00                | 0.00                  | 360.00   | 63.30          | -1.00          | -10.00         | -8.45          |

# Alpine Production Services

| Note : gas rate and cum gas include N2. |                                                                                       |        |                       |                  |                      |                       |          |                |                |                |                |
|-----------------------------------------|---------------------------------------------------------------------------------------|--------|-----------------------|------------------|----------------------|-----------------------|----------|----------------|----------------|----------------|----------------|
| Date/Time                               | AnnPres                                                                               | Static | GasRate               | CumGas           | N2Rate               | NetGasRate            | PumpRate | Surf.Vol       | Gain/Loss      | Shipping       | CumFluid       |
| yy/mm/dd                                | kPa                                                                                   | kPa    | THm <sup>3</sup> /day | THm <sup>3</sup> | m <sup>3</sup> /min. | THm <sup>3</sup> /day | Lt./min. | m <sup>3</sup> | m <sup>3</sup> | m <sup>3</sup> | m <sup>3</sup> |
| 9:00:00                                 | INVERT LOST TO HOLE.                                                                  |        |                       |                  |                      |                       |          |                |                |                |                |
| 9:10:01                                 | 404.60                                                                                | 59.65  | 15.88                 | 20.04            | 40.00                | 0.00                  | 360.00   |                |                |                |                |
| 9:20:01                                 | 493.97                                                                                | 60.50  | 0.00                  | 20.17            | 40.00                | 0.00                  | 360.00   |                |                |                |                |
| 9:23:00                                 | DROP 2175 m SAMPLE.                                                                   |        |                       |                  |                      |                       |          |                |                |                |                |
| 9:30:01                                 | 413.41                                                                                | 57.69  | 18.17                 | 20.29            | 40.00                | 0.00                  | 360.00   |                |                |                |                |
| 9:40:01                                 | 366.43                                                                                | 72.13  | 25.61                 | 20.42            | 40.00                | 0.00                  | 360.00   |                |                |                |                |
| 9:41:00                                 | STOP PUMPING N2 AND INVERT TO PULL 10 STANDS OF DRILL PIPE TO REMOVE FLOAT TO SURVEY. |        |                       |                  |                      |                       |          |                |                |                |                |
| 9:50:01                                 | 202.01                                                                                | 28.09  | 10.18                 | 20.50            | 0.00                 | 0.00                  | 0.00     |                |                |                |                |
| 10:00:00                                | 105.11                                                                                | 11.21  | 12.32                 | 20.59            | 0.00                 | 0.00                  | 0.00     | 68.30          | 5.00           | -10.00         | -3.45          |
| 10:00:00                                | HOLE IS UNLOADING. INVERT GAIN DUE TO SURVEY TRIP.                                    |        |                       |                  |                      |                       |          |                |                |                |                |
| 10:10:00                                | 75.75                                                                                 | 6.31   | 8.04                  | 20.70            | 0.00                 | 0.00                  | 0.00     |                |                |                |                |
| 10:20:00                                | 66.94                                                                                 | 5.33   | 0.00                  | 20.70            | 0.00                 | 0.00                  | 0.00     |                |                |                |                |
| 10:30:00                                | 66.94                                                                                 | 4.84   | 0.00                  | 20.70            | 0.00                 | 0.00                  | 0.00     |                |                |                |                |
| 10:40:00                                | 66.94                                                                                 | 4.11   | 0.00                  | 20.70            | 0.00                 | 0.00                  | 0.00     |                |                |                |                |
| 10:50:00                                | RUN IN HOLE WITH SURVEY TOOL.                                                         |        |                       |                  |                      |                       |          |                |                |                |                |
| 10:50:00                                | 64.01                                                                                 | 3.38   | 0.00                  | 20.70            | 0.00                 | 0.00                  | 0.00     |                |                |                |                |
| 11:00:00                                | 65.75                                                                                 | 3.77   | 0.00                  | 20.70            | 0.00                 | 0.00                  | 0.00     | 68.50          | 0.20           | -10.00         | -3.25          |
| 11:00:00                                | INVERT GAIN DUE TO SURVEY TRIP.                                                       |        |                       |                  |                      |                       |          |                |                |                |                |
| 11:10:00                                | 62.26                                                                                 | 2.74   | 0.00                  | 20.70            | 0.00                 | 0.00                  | 0.00     |                |                |                |                |
| 11:20:00                                | 61.07                                                                                 | 3.38   | 0.00                  | 20.70            | 0.00                 | 0.00                  | 0.00     |                |                |                |                |
| 11:30:00                                | 64.01                                                                                 | 3.62   | 0.00                  | 20.70            | 0.00                 | 0.00                  | 0.00     |                |                |                |                |
| 11:40:00                                | 68.69                                                                                 | 4.01   | 0.00                  | 20.70            | 0.00                 | 0.00                  | 0.00     |                |                |                |                |
| 11:50:00                                | 61.07                                                                                 | 3.62   | 0.00                  | 20.70            | 0.00                 | 0.00                  | 0.00     |                |                |                |                |
| 11:52:00                                | SURVEY IS COMPLETE. START PUMPING N2 AND INVERT TO RESUME DRILLING.                   |        |                       |                  |                      |                       |          |                |                |                |                |
| 12:00:00                                | 59.32                                                                                 | 5.43   | 0.00                  | 20.70            | 40.00                | 0.00                  | 360.00   | 63.70          | -4.80          | -10.00         | -8.05          |
| 12:00:00                                | INVERT LOSS DUE TO NOT HAVING RETURNS AT SURFACE.                                     |        |                       |                  |                      |                       |          |                |                |                |                |
| 12:10:00                                | 66.94                                                                                 | 6.31   | 0.00                  | 20.70            | 40.00                | 0.00                  | 360.00   |                |                |                |                |
| 12:20:00                                | 64.01                                                                                 | 6.07   | 0.00                  | 20.70            | 40.00                | 0.00                  | 360.00   |                |                |                |                |
| 12:25:00                                | INVERT AND N2 TO SURFACE. START DRILLING.                                             |        |                       |                  |                      |                       |          |                |                |                |                |
| 12:30:00                                | 701.15                                                                                | 121.31 | 13.29                 | 22.26            | 40.00                | 0.00                  | 360.00   |                |                |                |                |
| 99/02/21                                |                                                                                       |        |                       |                  |                      |                       |          |                |                |                |                |
| 12:40:00                                | 501.49                                                                                | 96.35  | 0.00                  | 22.43            | 40.00                | 0.00                  | 360.00   |                |                |                |                |
| 12:50:00                                | 379.85                                                                                | 66.15  | 17.99                 | 22.53            | 40.00                | 0.00                  | 360.00   |                |                |                |                |
| 12:51:00                                | DROP 2180 m SAMPLE.                                                                   |        |                       |                  |                      |                       |          |                |                |                |                |

# Alpine Production Services

| Date/Time<br>yy/mm/dd | AnnPres<br>kPa                                                          | Static<br>kPa | Note : gas rate and cum gas include N2. |                |                   |                        |                      | Surf.Vol<br>m³ | Gain/Loss<br>m³ | Shipping<br>m³ | CumFluid<br>m³ |
|-----------------------|-------------------------------------------------------------------------|---------------|-----------------------------------------|----------------|-------------------|------------------------|----------------------|----------------|-----------------|----------------|----------------|
|                       |                                                                         |               | GasRate<br>THm³/day                     | CumGas<br>THm³ | N2Rate<br>m³/min. | NetGasRate<br>THm³/day | PumpRate<br>Lt./min. |                |                 |                |                |
| 13:00:00              | 357.62                                                                  | 50.84         | 22.59                                   | 22.64          | 40.00             | 0.00                   | 360.00               | 57.70          | -6.00           | -10.00         | -14.05         |
| 13:00:00              | INVERT LOST BECAUSE HOLE HAS NOT UNLOADED YET.                          |               |                                         |                |                   |                        |                      |                |                 |                |                |
| 13:10:00              | 357.62                                                                  | 56.47         | 21.97                                   | 22.77          | 40.00             | 0.00                   | 360.00               |                |                 |                |                |
| 13:20:00              | 389.92                                                                  | 60.39         | 21.67                                   | 22.90          | 40.00             | 0.00                   | 360.00               |                |                 |                |                |
| 13:26:00              | DROP 2185 m SAMPLE.                                                     |               |                                         |                |                   |                        |                      |                |                 |                |                |
| 13:30:00              | 384.04                                                                  | 64.30         | 21.64                                   | 23.04          | 40.00             | 0.00                   | 360.00               |                |                 |                |                |
| 13:33:00              | STOP PUMPING N2 AND INVERT TO MAKE A CONNECTION.                        |               |                                         |                |                   |                        |                      |                |                 |                |                |
| 13:40:00              | CONNECTION IS COMPLETE. START PUMPING INVERT AND N2 TO RESUME DRILLING. |               |                                         |                |                   |                        |                      |                |                 |                |                |
| 13:40:00              | 260.73                                                                  | 44.73         | 7.98                                    | 23.15          | 40.00             | 0.00                   | 360.00               |                |                 |                |                |
| 13:50:00              | 240.18                                                                  | 34.45         | 21.45                                   | 23.25          | 40.00             | 0.00                   | 360.00               |                |                 |                |                |
| 14:00:00              | 397.05                                                                  | 48.75         | 30.86                                   | 23.36          | 40.00             | 0.00                   | 360.00               | 63.20          | 5.50            | -10.00         | -8.55          |
| 14:00:00              | INVERT GAIN DUE TO HOLE UNLOADING.                                      |               |                                         |                |                   |                        |                      |                |                 |                |                |
| 14:10:00              | 368.10                                                                  | 38.99         | 56.70                                   | 23.62          | 40.00             | 0.00                   | 360.00               |                |                 |                |                |
| 14:10:00              | DROP 2190 m SAMPLE.                                                     |               |                                         |                |                   |                        |                      |                |                 |                |                |
| 14:20:00              | 395.79                                                                  | 43.75         | 58.29                                   | 24.03          | 40.00             | 0.00                   | 360.00               |                |                 |                |                |
| 14:30:00              | 368.10                                                                  | 42.66         | 57.55                                   | 24.42          | 40.00             | 0.00                   | 360.00               |                |                 |                |                |
| 14:40:00              | 342.94                                                                  | 42.28         | 56.92                                   | 24.81          | 40.00             | 0.00                   | 360.00               |                |                 |                |                |
| 14:47:00              | DROP 2195 m SAMPLE.                                                     |               |                                         |                |                   |                        |                      |                |                 |                |                |
| 14:50:00              | 357.62                                                                  | 44.73         | 52.12                                   | 25.19          | 40.00             | 0.00                   | 360.00               |                |                 |                |                |
| 15:00:00              | 369.36                                                                  | 46.68         | 53.76                                   | 25.55          | 40.00             | 0.00                   | 360.00               | 64.60          | 1.40            | -10.00         | -7.15          |
| 15:00:00              | INVERT GAIN DUE TO HOLE UNLOADING.                                      |               |                                         |                |                   |                        |                      |                |                 |                |                |
| 15:01:00              | STOP PUMPING N2 AND INVERT TO MAKE A CONNECTION.                        |               |                                         |                |                   |                        |                      |                |                 |                |                |
| 15:06:00              | CONNECTION IS COMPLETE. START PUMPING INVERT AND N2 TO RESUME DRILLING. |               |                                         |                |                   |                        |                      |                |                 |                |                |
| 15:10:00              | 214.97                                                                  | 24.03         | 41.60                                   | 25.89          | 40.00             | 0.00                   | 360.00               |                |                 |                |                |
| 15:20:00              | 121.53                                                                  | 13.80         | 25.41                                   | 26.18          | 40.00             | 0.00                   | 360.00               |                |                 |                |                |
| 15:30:00              | 712.89                                                                  | 132.57        | 0.00                                    | 26.44          | 40.00             | 0.00                   | 360.00               |                |                 |                |                |
| 15:30:00              | DROP 2200 m SAMPLE.                                                     |               |                                         |                |                   |                        |                      |                |                 |                |                |
| 15:40:00              | 310.64                                                                  | 34.94         | 54.17                                   | 26.83          | 40.00             | 0.00                   | 360.00               |                |                 |                |                |
| 99/02/21              |                                                                         |               |                                         |                |                   |                        |                      |                |                 |                |                |
| 15:50:00              | 329.51                                                                  | 38.72         | 44.43                                   | 27.16          | 40.00             | 0.00                   | 360.00               |                |                 |                |                |
| 16:00:00              | 338.32                                                                  | 45.81         | 48.14                                   | 27.48          | 40.00             | 0.00                   | 360.00               | 64.30          | -0.30           | -10.00         | -7.45          |
| 16:00:00              | INVERT LOST TO HOLE.                                                    |               |                                         |                |                   |                        |                      |                |                 |                |                |
| 16:10:00              | 366.43                                                                  | 48.40         | 47.95                                   | 27.82          | 40.00             | 0.00                   | 360.00               |                |                 |                |                |
| 16:20:00              | DROP 2205 m SAMPLE.                                                     |               |                                         |                |                   |                        |                      |                |                 |                |                |

# Alpine Production Services

| Note : gas rate and cum gas include N2. |                                                                         |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
|-----------------------------------------|-------------------------------------------------------------------------|---------------|----------------------------------|----------------------------|--------------------------------|-------------------------------------|----------------------|----------------------------|-----------------------------|----------------------------|----------------------------|
| Date/Time<br>yy/mm/dd                   | AnnPres<br>kPa                                                          | Static<br>kPa | GasRate<br>THm <sup>3</sup> /day | CumGas<br>THm <sup>3</sup> | N2Rate<br>m <sup>3</sup> /min. | NetGasRate<br>THm <sup>3</sup> /day | PumpRate<br>Lt./min. | Surf.Vol<br>m <sup>3</sup> | Gain/Loss<br>m <sup>3</sup> | Shipping<br>m <sup>3</sup> | CumFluid<br>m <sup>3</sup> |
| 16:20:00                                | 363.49                                                                  | 48.64         | 46.07                            | 28.14                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 16:30:00                                | 363.49                                                                  | 48.89         | 44.07                            | 28.46                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 16:34:00                                | STOP PUMPING N2 AND INVERT TO MAKE A CONNECTION.                        |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 16:39:00                                | CONNECTION IS COMPLETE. START PUMPING INVERT AND N2 TO RESUME DRILLING. |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 16:40:00                                | 307.71                                                                  | 44.97         | 36.89                            | 28.77                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 16:50:00                                | 160.90                                                                  | 29.07         | 24.77                            | 29.00                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 17:00:00                                | 409.20                                                                  | 27.98         | 47.10                            | 29.18                      | 40.00                          | 0.00                                | 360.00               | 63.10                      | -1.20                       | -10.00                     | -8.65                      |
| 17:00:00                                | INVERT LOST TO HOLE.                                                    |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 17:10:00                                | 345.88                                                                  | 51.09         | 40.66                            | 29.52                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 17:18:00                                | DROP 2210 m SAMPLE.                                                     |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 17:20:00                                | 347.13                                                                  | 53.65         | 42.90                            | 29.82                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 17:30:00                                | 337.07                                                                  | 48.64         | 40.51                            | 30.10                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 17:40:00                                | 351.75                                                                  | 48.15         | 39.44                            | 30.38                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 17:50:00                                | 369.36                                                                  | 50.60         | 39.83                            | 30.66                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 17:51:00                                | DROP 2215 m SAMPLE.                                                     |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 17:55:00                                | STOP PUMPING N2 AND INVERT TO MAKE A CONNECTION.                        |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 17:59:00                                | CONNECTION IS COMPLETE. START PUMPING INVERT AND N2 TO RESUME DRILLING. |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 18:00:00                                | 322.39                                                                  | 48.64         | 38.32                            | 30.94                      | 40.00                          | 0.00                                | 360.00               | 65.70                      | 2.60                        | -10.00                     | -6.05                      |
| 18:00:00                                | INVERT GAIN DUE TO HOLE UNLOADING.                                      |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 18:10:00                                | 272.47                                                                  | 37.14         | 35.78                            | 31.17                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 18:20:00                                | 288.85                                                                  | 11.11         | 21.85                            | 31.36                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 18:30:00                                | DROP 2220 m SAMPLE.                                                     |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 18:30:00                                | 371.04                                                                  | 48.78         | 43.22                            | 31.69                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 18:40:00                                | 375.24                                                                  | 53.29         | 43.47                            | 32.00                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 18:50:00                                | 345.88                                                                  | 47.66         | 43.67                            | 32.31                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 18:57:00                                | STOP PUMPING N2 AND INVERT TO MAKE A CONNECTION.                        |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 99/02/21                                |                                                                         |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 18:58:00                                | DROP 2225 m SAMPLE.                                                     |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 19:00:00                                | 334.13                                                                  | 46.93         | 43.24                            | 32.62                      | 0.00                           | 0.00                                | 0.00                 | 65.10                      | -0.60                       | -10.00                     | -6.65                      |
| 19:00:00                                | INVERT LOST TO HOLE.                                                    |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 19:02:00                                | CONNECTION IS COMPLETE. START PUMPING INVERT AND N2 TO RESUME DRILLING. |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 19:10:00                                | 202.01                                                                  | 26.13         | 31.58                            | 32.86                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 19:20:00                                | 175.58                                                                  | 11.70         | 22.19                            | 33.07                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 19:30:00                                | 391.59                                                                  | 56.12         | 47.68                            | 33.39                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |

# Alpine Production Services

| Note : gas rate and cum gas include N2. |                                                                         |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
|-----------------------------------------|-------------------------------------------------------------------------|---------------|----------------------------------|----------------------------|--------------------------------|-------------------------------------|----------------------|----------------------------|-----------------------------|----------------------------|----------------------------|
| Date/Time<br>yy/mm/dd                   | AnnPres<br>kPa                                                          | Static<br>kPa | GasRate<br>THm <sup>3</sup> /day | CumGas<br>THm <sup>3</sup> | N2Rate<br>m <sup>3</sup> /min. | NetGasRate<br>THm <sup>3</sup> /day | PumpRate<br>Lt./min. | Surf.Vol<br>m <sup>3</sup> | Gain/Loss<br>m <sup>3</sup> | Shipping<br>m <sup>3</sup> | CumFluid<br>m <sup>3</sup> |
| 19:40:00                                | 386.98                                                                  | 55.00         | 48.92                            | 33.72                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 19:50:00                                | 381.11                                                                  | 49.87         | 44.56                            | 34.05                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 19:52:00                                | DROP 2230 m SAMPLE.                                                     |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 20:00:00                                | 381.11                                                                  | 47.42         | 43.57                            | 34.36                      | 40.00                          | 0.00                                | 360.00               | 64.80                      | -0.30                       | -10.00                     | -6.95                      |
| 20:10:00                                | 361.81                                                                  | 48.75         | 44.89                            | 34.67                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 20:13:00                                | DROP 2235 m SAMPLE.                                                     |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 20:13:00                                | STOP PUMPING N2 + INVERT TO MAKE A CONNECTION.                          |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 20:17:00                                | CONNECTION IS COMPLETE. START PUMPING INVERT AND N2 TO RESUME DRILLING. |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 20:20:00                                | 304.77                                                                  | 41.06         | 39.83                            | 34.98                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 20:30:00                                | 307.71                                                                  | 33.72         | 36.92                            | 35.23                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 20:40:00                                | 373.98                                                                  | 38.75         | 40.91                            | 35.46                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 20:50:00                                | 335.38                                                                  | 46.55         | 45.61                            | 35.79                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 20:52:00                                | DROP 2240 m SAMPLE.                                                     |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 21:00:00                                | 389.92                                                                  | 50.60         | 46.90                            | 36.11                      | 40.00                          | 0.00                                | 360.00               | 63.00                      | -1.80                       | -10.00                     | -8.75                      |
| 21:00:00                                | LOSS OF INVERT DUE TO LEAK IN B.O.P STACK + TO HOLE.                    |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 21:10:00                                | 372.30                                                                  | 46.44         | 44.12                            | 36.42                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 21:20:00                                | 375.24                                                                  | 46.19         | 43.95                            | 36.73                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 21:29:00                                | STOP PUMPING N2 + INVERT TO MAKE A CONNECTION.                          |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 21:30:00                                | 370.62                                                                  | 48.75         | 46.17                            | 37.05                      | 0.00                           | 0.00                                | 0.00                 |                            |                             |                            |                            |
| 21:32:00                                | CONNECTION IS COMPLETE. START PUMPING INVERT AND N2 TO RESUME DRILLING. |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 21:34:00                                | DROP 2245 m SAMPLE.                                                     |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 21:40:00                                | 278.34                                                                  | 34.70         | 36.72                            | 37.34                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 21:50:00                                | 178.52                                                                  | 29.80         | 25.39                            | 37.60                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 22:00:00                                | 529.55                                                                  | 68.35         | 67.96                            | 37.87                      | 40.00                          | 0.00                                | 360.00               | 62.50                      | -0.50                       | -10.00                     | -9.25                      |
| 99/02/22                                |                                                                         |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 22:00:00                                | INVERT LOST TO HOLE.                                                    |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 22:10:00                                | DROP 2250 m SAMPLE.                                                     |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 22:10:00                                | 384.04                                                                  | 52.31         | 49.68                            | 38.21                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 22:20:00                                | 376.91                                                                  | 49.76         | 47.20                            | 38.54                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 22:30:00                                | 372.30                                                                  | 46.93         | 44.20                            | 38.86                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 22:40:00                                | 366.43                                                                  | 46.93         | 43.60                            | 39.17                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 22:42:00                                | STOP PUMPING N2 + INVERT TO MAKE A CONNECTION.                          |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 22:47:00                                | CONNECTION IS COMPLETE. START PUMPING INVERT AND N2 TO RESUME DRILLING. |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 22:50:00                                | 301.83                                                                  | 41.30         | 39.81                            | 39.48                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |

# Alpine Production Services

| Note : gas rate and cum gas include N2. |                                                                         |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
|-----------------------------------------|-------------------------------------------------------------------------|---------------|----------------------------------|----------------------------|--------------------------------|-------------------------------------|----------------------|----------------------------|-----------------------------|----------------------------|----------------------------|
| Date/Time<br>yy/mm/dd                   | AnnPres<br>kPa                                                          | Static<br>kPa | GasRate<br>THm <sup>3</sup> /day | CumGas<br>THm <sup>3</sup> | N2Rate<br>m <sup>3</sup> /min. | NetGasRate<br>THm <sup>3</sup> /day | PumpRate<br>Lt./min. | Surf.Vol<br>m <sup>3</sup> | Gain/Loss<br>m <sup>3</sup> | Shipping<br>m <sup>3</sup> | CumFluid<br>m <sup>3</sup> |
| 22:55:00                                | DROP 2255 m SAMPLE.                                                     |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 23:00:00                                | 284.22                                                                  | 37.39         | 21.45                            | 39.70                      | 40.00                          | 0.00                                | 360.00               | 62.50                      | 0.00                        | -10.00                     | -9.25                      |
| 23:10:00                                | 404.60                                                                  | 46.19         | 22.40                            | 39.82                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 23:20:00                                | 354.68                                                                  | 51.58         | 19.41                            | 39.95                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 23:26:00                                | DROP 2260 m SAMPLE.                                                     |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 23:30:00                                | 375.24                                                                  | 56.96         | 20.00                            | 40.08                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 23:40:00                                | 369.36                                                                  | 55.49         | 19.01                            | 40.19                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 23:50:00                                | 364.75                                                                  | 54.13         | 19.15                            | 40.30                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 99/02/22                                |                                                                         |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 0:00:00                                 | 372.30                                                                  | 54.76         | 20.36                            | 40.43                      | 40.00                          | 0.00                                | 360.00               | 62.50                      | 0.00                        | -10.00                     | -9.25                      |
| 0:08:00                                 | STOP PUMPING N2 + INVERT TO MAKE A CONNECTION.                          |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 0:10:00                                 | DROP 2265 m SAMPLE.                                                     |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 0:10:01                                 | 378.17                                                                  | 59.41         | 20.53                            | 40.57                      | 0.00                           | 0.00                                | 0.00                 |                            |                             |                            |                            |
| 0:20:00                                 | CONNECTION IS COMPLETE. START PUMPING INVERT AND N2 TO RESUME DRILLING. |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 0:20:01                                 | 203.72                                                                  | 28.72         | 12.99                            | 40.67                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 0:30:01                                 | 149.16                                                                  | 19.28         | 16.27                            | 40.78                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 0:40:01                                 | 66.94                                                                   | 4.11          | 15.39                            | 40.88                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 0:50:01                                 | 756.93                                                                  | 161.93        | 64.44                            | 41.07                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 1:00:01                                 | 441.11                                                                  | 65.39         | 30.35                            | 41.20                      | 40.00                          | 0.00                                | 360.00               | 63.40                      | 0.90                        | -10.00                     | -8.35                      |
| 1:00:01                                 | INVERT GAIN DUE TO HOLE UNLOADING.                                      |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 1:10:01                                 | 394.52                                                                  | 53.18         | 45.25                            | 41.36                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 1:12:00                                 | DROP 2270 m SAMPLE.                                                     |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 99/02/22                                |                                                                         |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 1:20:01                                 | 361.81                                                                  | 48.51         | 39.49                            | 41.65                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 1:30:01                                 | 348.81                                                                  | 46.68         | 38.72                            | 41.92                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 1:38:00                                 | STOP PUMPING N2 + INVERT TO MAKE A CONNECTION.                          |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 1:40:01                                 | 407.53                                                                  | 47.91         | 39.40                            | 42.19                      | 0.00                           | 0.00                                | 0.00                 |                            |                             |                            |                            |
| 1:42:00                                 | CONNECTION IS COMPLETE. START PUMPING INVERT AND N2 TO RESUME DRILLING. |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 1:50:01                                 | 269.54                                                                  | 36.16         | 32.96                            | 42.44                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 1:51:00                                 | DROP 2275 m SAMPLE.                                                     |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 2:00:01                                 | 168.49                                                                  | 25.05         | 17.19                            | 42.67                      | 40.00                          | 0.00                                | 360.00               | 62.20                      | -1.20                       | -10.00                     | -9.55                      |
| 2:00:00                                 | INVERT LOST TO HOLE.                                                    |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 2:10:01                                 | 502.78                                                                  | 71.02         | 60.61                            | 42.93                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 2:20:01                                 | 392.85                                                                  | 54.27         | 42.62                            | 43.21                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |

# Alpine Production Services

| Note : gas rate and cum gas include N2. |                                                                                  |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
|-----------------------------------------|----------------------------------------------------------------------------------|---------------|----------------------------------|----------------------------|--------------------------------|-------------------------------------|----------------------|----------------------------|-----------------------------|----------------------------|----------------------------|
| Date/Time<br>yy/mm/dd                   | AnnPres<br>kPa                                                                   | Static<br>kPa | GasRate<br>THm <sup>3</sup> /day | CumGas<br>THm <sup>3</sup> | N2Rate<br>m <sup>3</sup> /min. | NetGasRate<br>THm <sup>3</sup> /day | PumpRate<br>Lt./min. | Surf.Vol<br>m <sup>3</sup> | Gain/Loss<br>m <sup>3</sup> | Shipping<br>m <sup>3</sup> | CumFluid<br>m <sup>3</sup> |
| 2:25:00                                 | DROP 2280 m SAMPLE.                                                              |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 2:30:01                                 | 386.98                                                                           | 51.33         | 40.70                            | 43.51                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 2:40:01                                 | 371.04                                                                           | 48.29         | 39.89                            | 43.79                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 2:50:01                                 | 378.17                                                                           | 47.66         | 41.23                            | 44.06                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 2:51:00                                 | STOP PUMPING INVERT + N2. PULL 5 STANDS OF DRILL PIPE TO REMOVE FLOAT TO SURVEY. |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 3:00:01                                 | 253.15                                                                           | 33.09         | 30.29                            | 44.33                      | 0.00                           | 0.00                                | 0.00                 | 65.40                      | 3.20                        | -10.00                     | -6.35                      |
| 3:00:01                                 | HOLE IS UNLOADING. INVERT GAIN DUE TO SURVEY TRIP.                               |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 3:10:01                                 | 134.47                                                                           | 13.65         | 0.00                             | 44.33                      | 0.00                           | 0.00                                | 0.00                 |                            |                             |                            |                            |
| 3:20:01                                 | 87.50                                                                            | 6.80          | 0.00                             | 44.33                      | 0.00                           | 0.00                                | 0.00                 |                            |                             |                            |                            |
| 3:30:01                                 | 68.13                                                                            | 4.70          | 0.00                             | 44.33                      | 0.00                           | 0.00                                | 0.00                 |                            |                             |                            |                            |
| 3:40:01                                 | 71.62                                                                            | 5.23          | 0.00                             | 44.33                      | 0.00                           | 0.00                                | 0.00                 |                            |                             |                            |                            |
| 3:50:01                                 | 66.94                                                                            | 3.38          | 0.00                             | 44.33                      | 0.00                           | 0.00                                | 0.00                 |                            |                             |                            |                            |
| 3:55:00                                 | RUN IN HOLE WITH SURVEY TOOL.                                                    |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 4:00:02                                 | 66.94                                                                            | 4.36          | 0.00                             | 44.33                      | 0.00                           | 0.00                                | 0.00                 | 65.40                      | 0.00                        | -10.00                     | -6.35                      |
| 4:10:02                                 | 64.01                                                                            | 3.38          | 0.00                             | 44.33                      | 0.00                           | 0.00                                | 0.00                 |                            |                             |                            |                            |
| 4:20:01                                 | 64.01                                                                            | 4.11          | 0.00                             | 44.33                      | 0.00                           | 0.00                                | 0.00                 |                            |                             |                            |                            |
| 4:30:01                                 | 66.94                                                                            | 4.60          | 0.00                             | 44.33                      | 0.00                           | 0.00                                | 0.00                 |                            |                             |                            |                            |
| 4:40:01                                 | 66.94                                                                            | 5.09          | 0.00                             | 44.33                      | 0.00                           | 0.00                                | 0.00                 |                            |                             |                            |                            |
| 4:45:00                                 | SURVEY COMPLETE. START PUMPING N2 + INVERT + RESUME DRILLING.                    |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 4:50:01                                 | 71.62                                                                            | 4.99          | 0.00                             | 44.33                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 99/02/22                                |                                                                                  |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 5:00:01                                 | 66.94                                                                            | 6.31          | 0.00                             | 44.33                      | 40.00                          | 0.00                                | 360.00               | 61.20                      | -4.20                       | -10.00                     | -10.55                     |
| 5:00:01                                 | INVERT LOSS DUE TO NOT HAVING RETURNS TO SURFACE.                                |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 5:10:01                                 | 66.94                                                                            | 6.31          | 0.00                             | 44.33                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 5:20:01                                 | 69.88                                                                            | 6.80          | 0.00                             | 44.33                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 5:22:00                                 | INVERT + N2 TO SURFACE. RESUME DRILLING.                                         |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 5:30:01                                 | 795.10                                                                           | 119.84        | 87.48                            | 46.30                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 5:40:01                                 | 482.22                                                                           | 14.73         | 0.00                             | 46.40                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 5:50:01                                 | 369.36                                                                           | 10.23         | 72.97                            | 46.49                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 5:59:59                                 | 298.90                                                                           | 9.00          | 65.78                            | 46.98                      | 40.00                          | 0.00                                | 360.00               | 63.10                      | 1.90                        | -10.00                     | -8.65                      |
| 5:59:59                                 | INVERT GAIN DUE TO HOLE UNLOADING.                                               |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
|                                         | NET GAS FLARED IN 24HRS = 0 THm3/DAY                                             |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
|                                         | TOTAL INVERT GAINED IN 24HRS = 4.6 m3.                                           |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
|                                         | TOTAL INVERT GAINED IS NOT PRODUCED FLUID ITS INVERT RECOVERED FROM HOLE.        |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |

# Alpine Production Services

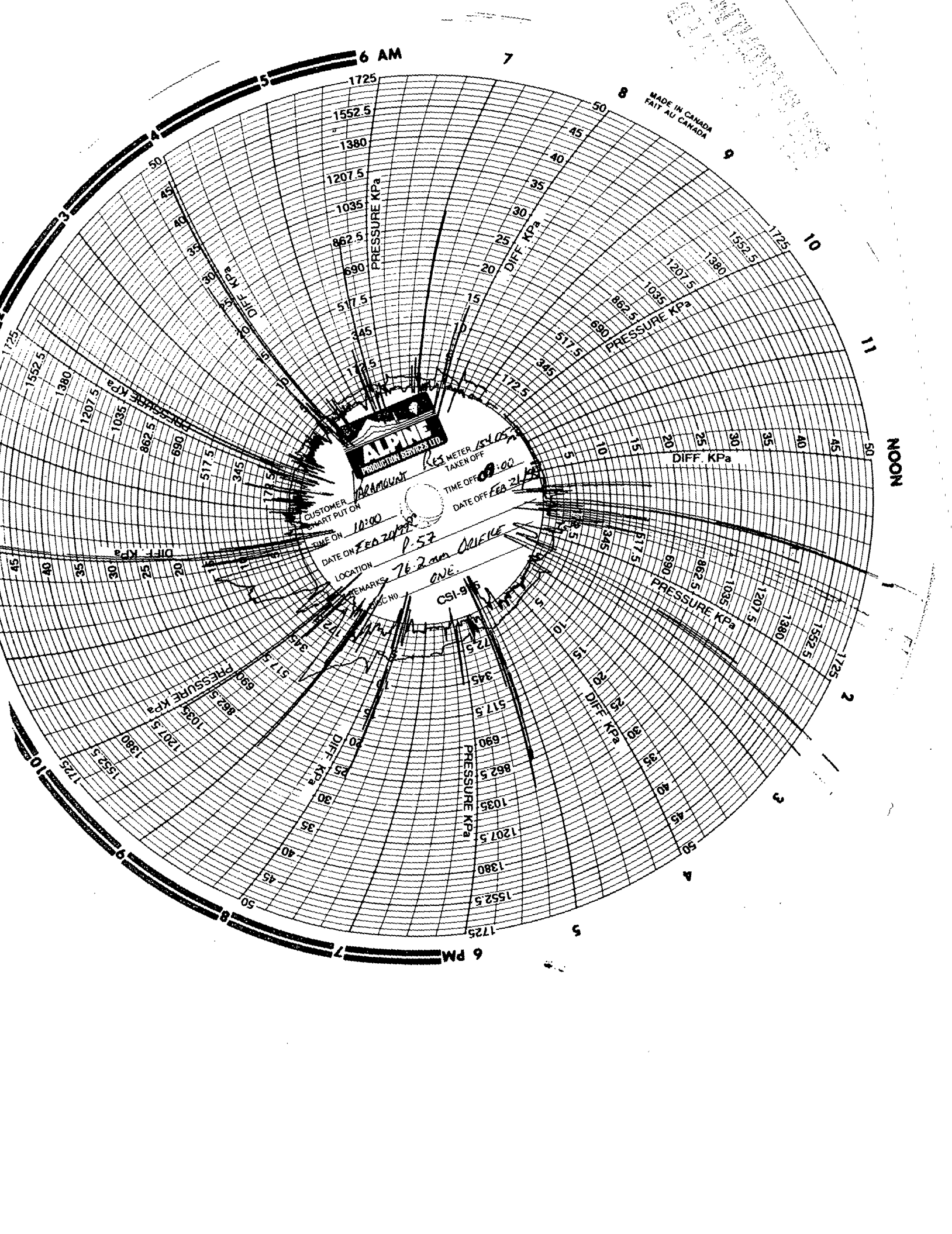
| Note : gas rate and cum gas include N2. |                                                                         |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
|-----------------------------------------|-------------------------------------------------------------------------|---------------|----------------------------------|----------------------------|--------------------------------|-------------------------------------|----------------------|----------------------------|-----------------------------|----------------------------|----------------------------|
| Date/Time<br>yy/mm/dd                   | AnnPres<br>kPa                                                          | Static<br>kPa | GasRate<br>THm <sup>3</sup> /day | CumGas<br>THm <sup>3</sup> | N2Rate<br>m <sup>3</sup> /min. | NetGasRate<br>THm <sup>3</sup> /day | PumpRate<br>Lt./min. | Surf.Vol<br>m <sup>3</sup> | Gain/Loss<br>m <sup>3</sup> | Shipping<br>m <sup>3</sup> | CumFluid<br>m <sup>3</sup> |
|                                         | TOTAL INVERT ADDED TO RIG TANK IN 24HRS = 0 m3.                         |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
|                                         | H2S READING = 0%.                                                       |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 99/02/22                                |                                                                         |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 6:10:01                                 | 303.08                                                                  | 32.35         | 40.86                            | 47.24                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 6:20:01                                 | 363.49                                                                  | 32.49         | 50.93                            | 47.53                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 6:30:01                                 | 360.56                                                                  | 32.49         | 58.44                            | 47.92                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 6:32:00                                 | DROP 2290 m SAMPLE.                                                     |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 6:40:01                                 | 386.98                                                                  | 31.76         | 57.91                            | 48.34                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 6:50:01                                 | 394.12                                                                  | 32.35         | 70.21                            | 48.82                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 7:00:01                                 | 398.73                                                                  | 31.76         | 68.36                            | 49.29                      | 40.00                          | 0.00                                | 360.00               | 63.60                      | 0.50                        | -10.00                     | -8.15                      |
| 7:00:00                                 | INVERT GAINED FROM HOLE.                                                |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 7:10:01                                 | 399.99                                                                  | 31.13         | 68.99                            | 49.76                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 7:20:01                                 | 379.43                                                                  | 31.37         | 72.14                            | 50.25                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 7:24:00                                 | STOP PUMPING N2 AND INVERT TO MAKE A CONNECTION.                        |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 7:29:00                                 | SHUT IN WELL TO REPLACE RUBBER IN ROTATING HEAD.                        |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 7:30:01                                 | 69.88                                                                   | 6.31          | 11.99                            | 50.63                      | 0.00                           | 0.00                                | 0.00                 |                            |                             |                            |                            |
| 7:40:01                                 | 64.01                                                                   | 3.13          | 0.00                             | 50.63                      | 0.00                           | 0.00                                | 0.00                 |                            |                             |                            |                            |
| 7:50:01                                 | 66.94                                                                   | 2.40          | 0.00                             | 50.63                      | 0.00                           | 0.00                                | 0.00                 |                            |                             |                            |                            |
| 8:00:01                                 | 62.26                                                                   | 1.76          | 0.00                             | 50.63                      | 0.00                           | 0.00                                | 0.00                 | 63.90                      | 0.30                        | -10.00                     | -7.85                      |
| 8:00:00                                 | INVERT GAINED FROM HOLE.                                                |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 8:10:01                                 | 61.07                                                                   | 1.91          | 0.00                             | 50.63                      | 0.00                           | 0.00                                | 0.00                 |                            |                             |                            |                            |
| 8:15:00                                 | RUBBER IS REPLACED, OPEN WELL TO SEPARATOR.                             |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 8:18:00                                 | CONNECTION IS COMPLETE. START PUMPING N2 AND INVERT TO RESUME DRILLING. |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 8:20:01                                 | 71.62                                                                   | 1.81          | 25.22                            | 51.17                      | 40.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 8:23:00                                 | DROP 2295 m SAMPLE.                                                     |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 8:24:00                                 | DECREASE N2 RATE TO 35 m <sup>3</sup> /min.                             |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 8:30:01                                 | 66.94                                                                   | 1.17          | 27.04                            | 51.36                      | 35.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 8:39:00                                 | INVERT AND N2 TO SURFACE.                                               |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 8:40:01                                 | 202.01                                                                  | 6.07          | 26.30                            | 51.53                      | 35.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 8:50:01                                 | 492.68                                                                  | 56.23         | 65.56                            | 51.79                      | 35.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 9:00:01                                 | 372.30                                                                  | 11.70         | 72.44                            | 52.30                      | 35.00                          | 0.00                                | 360.00               | 60.80                      | -3.10                       | -10.00                     | -10.95                     |
| 9:00:00                                 | INVERT LOST TO HOLE BECAUSE OF DECREASE IN N2 RATE.                     |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 9:10:01                                 | 348.81                                                                  | 3.13          | 67.89                            | 52.78                      | 35.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 9:20:01                                 | 322.39                                                                  | 14.39         | 62.48                            | 53.24                      | 35.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |

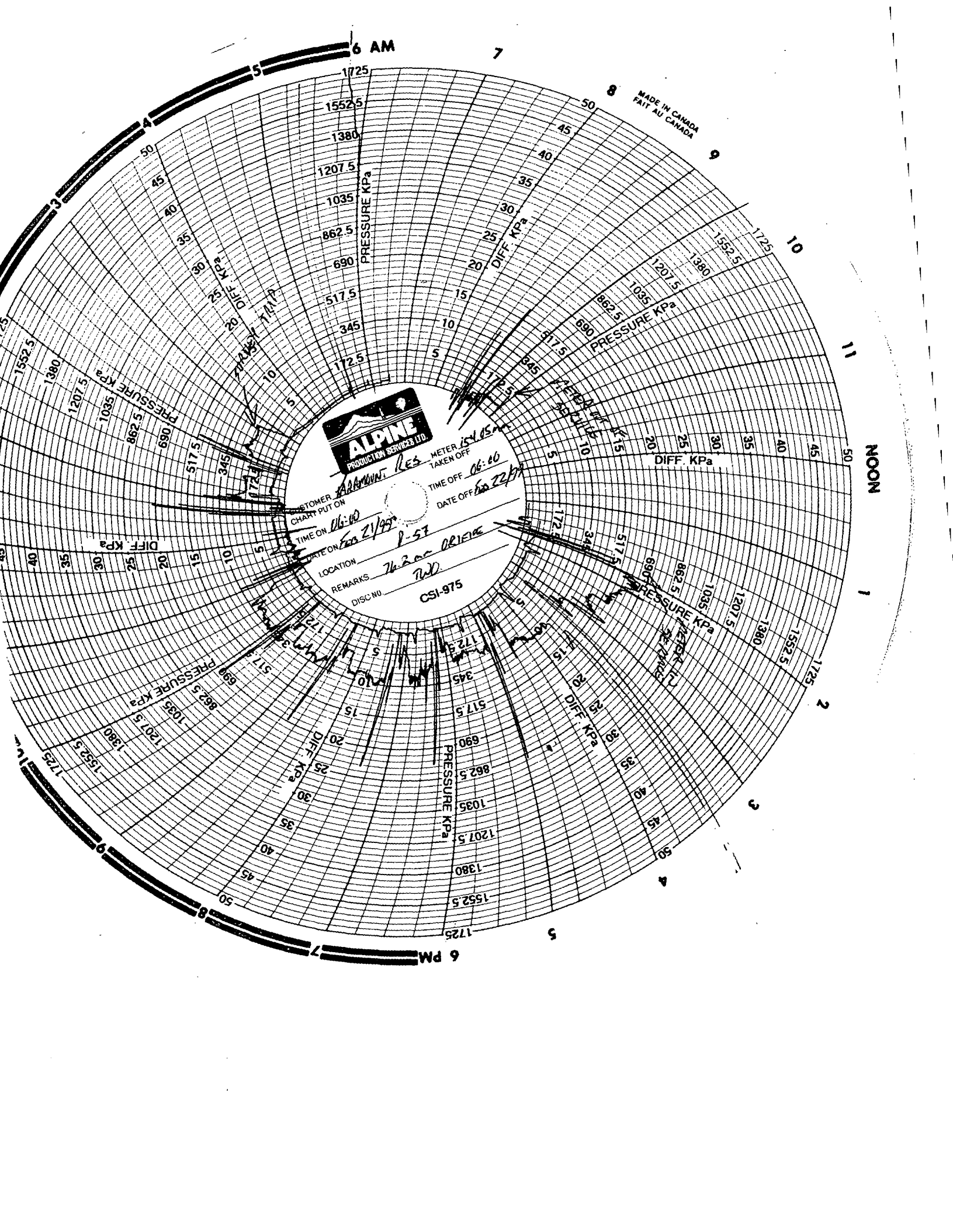
# Alpine Production Services

| Note : gas rate and cum gas include N2. |                                                                         |        |                       |                  |                      |                       |          |                |                |                |                |
|-----------------------------------------|-------------------------------------------------------------------------|--------|-----------------------|------------------|----------------------|-----------------------|----------|----------------|----------------|----------------|----------------|
| Date/Time                               | AnnPres                                                                 | Static | GasRate               | CumGas           | N2Rate               | NetGasRate            | PumpRate | Surf.Vol       | Gain/Loss      | Shipping       | CumFluid       |
| yy/mm/dd                                | kPa                                                                     | kPa    | THm <sup>3</sup> /day | THm <sup>3</sup> | m <sup>3</sup> /min. | THm <sup>3</sup> /day | Lt./min. | m <sup>3</sup> | m <sup>3</sup> | m <sup>3</sup> | m <sup>3</sup> |
| 99/02/22                                |                                                                         |        |                       |                  |                      |                       |          |                |                |                |                |
| 9:30:01                                 | 310.64                                                                  | 21.97  | 58.13                 | 53.66            | 35.00                | 0.00                  | 360.00   |                |                |                |                |
| 9:40:01                                 | 334.13                                                                  | 19.53  | 59.95                 | 54.05            | 35.00                | 0.00                  | 360.00   |                |                |                |                |
| 9:50:01                                 | 325.32                                                                  | 17.81  | 63.71                 | 54.50            | 35.00                | 0.00                  | 360.00   |                |                |                |                |
| 9:51:00                                 | DROP 2300 m SAMPLE.                                                     |        |                       |                  |                      |                       |          |                |                |                |                |
| 10:00:00                                | 371.04                                                                  | 18.93  | 64.20                 | 54.93            | 35.00                | 0.00                  | 360.00   | 60.50          | -0.30          | -10.00         | -11.25         |
| 10:00:00                                | INVERT LOST TO HOLE.                                                    |        |                       |                  |                      |                       |          |                |                |                |                |
| 10:10:00                                | 366.43                                                                  | 40.81  | 37.63                 | 55.35            | 35.00                | 0.00                  | 360.00   |                |                |                |                |
| 10:20:00                                | 358.88                                                                  | 21.59  | 60.57                 | 55.74            | 35.00                | 0.00                  | 360.00   |                |                |                |                |
| 10:30:00                                | 342.94                                                                  | 20.50  | 57.50                 | 56.18            | 35.00                | 0.00                  | 360.00   |                |                |                |                |
| 10:32:00                                | STOP PUMPING N2 AND INVERT TO MAKE A CONNECTION.                        |        |                       |                  |                      |                       |          |                |                |                |                |
| 10:37:00                                | CONNECTION IS COMPLETE. START PUMPING N2 AND INVERT TO RESUME DRILLING. |        |                       |                  |                      |                       |          |                |                |                |                |
| 10:40:00                                | 243.11                                                                  | 27.60  | 40.41                 | 56.59            | 35.00                | 0.00                  | 360.00   |                |                |                |                |
| 10:47:00                                | DROP 2305 m SAMPLE.                                                     |        |                       |                  |                      |                       |          |                |                |                |                |
| 10:50:00                                | 140.35                                                                  | 30.05  | 0.00                  | 56.77            | 35.00                | 0.00                  | 360.00   |                |                |                |                |
| 11:00:00                                | 190.26                                                                  | 15.61  | 0.00                  | 56.87            | 35.00                | 0.00                  | 360.00   | 58.80          | -1.70          | -10.00         | -12.95         |
| 11:10:00                                | 290.09                                                                  | 53.29  | 67.29                 | 57.22            | 35.00                | 0.00                  | 360.00   |                |                |                |                |
| 11:15:00                                | STOP DRILLING. PULL OFF BOTTOM. CIRCULATE 2309 m SAMPLE TO SURFACE.     |        |                       |                  |                      |                       |          |                |                |                |                |
| 11:20:00                                | 369.36                                                                  | 43.26  | 42.65                 | 57.52            | 35.00                | 0.00                  | 360.00   |                |                |                |                |
| 11:30:00                                | 381.11                                                                  | 42.04  | 49.67                 | 57.84            | 35.00                | 0.00                  | 360.00   |                |                |                |                |
| 11:35:00                                | 2309 m SAMPLE TO SURFACE.                                               |        |                       |                  |                      |                       |          |                |                |                |                |
| 11:40:00                                | 331.19                                                                  | 40.08  | 41.96                 | 58.14            | 35.00                | 0.00                  | 360.00   |                |                |                |                |
| 11:50:00                                | 328.26                                                                  | 39.34  | 44.29                 | 58.44            | 35.00                | 0.00                  | 360.00   |                |                |                |                |
| 11:58:00                                | BACK ON BOTTOM, RESUME DRILLING.                                        |        |                       |                  |                      |                       |          |                |                |                |                |
| 12:00:00                                | 313.58                                                                  | 37.39  | 43.17                 | 58.75            | 35.00                | 0.00                  | 360.00   | 60.60          | 1.80           | -10.00         | -11.15         |
| 12:10:00                                | 304.77                                                                  | 36.16  | 42.03                 | 59.04            | 35.00                | 0.00                  | 360.00   |                |                |                |                |
| 12:20:01                                | 328.26                                                                  | 34.94  | 40.50                 | 59.31            | 35.00                | 0.00                  | 360.00   |                |                |                |                |
| 12:22:00                                | DROP 2310 m SAMPLE.                                                     |        |                       |                  |                      |                       |          |                |                |                |                |
| 12:30:00                                | 348.81                                                                  | 31.27  | 55.26                 | 59.67            | 35.00                | 0.00                  | 360.00   |                |                |                |                |
| 12:40:00                                | 331.19                                                                  | 30.29  | 56.94                 | 60.07            | 35.00                | 0.00                  | 360.00   |                |                |                |                |
| 12:50:00                                | 345.88                                                                  | 30.78  | 69.37                 | 60.48            | 35.00                | 0.00                  | 360.00   |                |                |                |                |
| 12:52:00                                | DROP 2315 m SAMPLE.                                                     |        |                       |                  |                      |                       |          |                |                |                |                |
| 99/02/22                                |                                                                         |        |                       |                  |                      |                       |          |                |                |                |                |
| 13:00:00                                | 231.37                                                                  | 29.07  | 29.56                 | 60.86            | 35.00                | 0.00                  | 360.00   | 59.50          | -1.10          | -10.00         | -12.25         |

# Alpine Production Services

| Note : gas rate and cum gas include N2. |                                                                         |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
|-----------------------------------------|-------------------------------------------------------------------------|---------------|----------------------------------|----------------------------|--------------------------------|-------------------------------------|----------------------|----------------------------|-----------------------------|----------------------------|----------------------------|
| Date/Time<br>yy/mm/dd                   | AnnPres<br>kPa                                                          | Static<br>kPa | GasRate<br>THm <sup>3</sup> /day | CumGas<br>THm <sup>3</sup> | N2Rate<br>m <sup>3</sup> /min. | NetGasRate<br>THm <sup>3</sup> /day | PumpRate<br>Lt./min. | Surf.Vol<br>m <sup>3</sup> | Gain/Loss<br>m <sup>3</sup> | Shipping<br>m <sup>3</sup> | CumFluid<br>m <sup>3</sup> |
| 13:01:00                                | STOP PUMPING N2 AND INVERT TO MAKE A CONNECTION.                        |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 13:07:00                                | CONNECTION IS COMPLETE. START PUMPING N2 AND INVERT TO RESUME DRILLING. |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 13:10:01                                | 196.13                                                                  | 26.62         | 0.00                             | 60.95                      | 35.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 13:20:00                                | 309.40                                                                  | 30.43         | 25.49                            | 61.05                      | 35.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 13:30:00                                | 260.73                                                                  | 24.17         | 3.00                             | 61.17                      | 35.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 13:40:00                                | 237.24                                                                  | 67.48         | 14.51                            | 61.52                      | 35.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 13:50:00                                | 360.56                                                                  | 43.99         | 24.99                            | 61.64                      | 35.00                          | 0.00                                | 360.00               |                            |                             |                            |                            |
| 13:58:00                                | STOP PUMPING N2, REMAIN PUMPING INVERT TO DISPLACE.                     |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 14:00:00                                | DROP 2320 m SAMPLE.                                                     |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 14:00:00                                | 337.07                                                                  | 48.15         | 0.00                             | 61.76                      | 0.00                           | 0.00                                | 360.00               | 61.40                      | 1.90                        | -10.00                     | -10.35                     |
| 14:06:00                                | INCREASE INVERT PUMP RATE TO 500 LITERS PER MINUTE.                     |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 14:10:00                                | 202.01                                                                  | 23.20         | 12.61                            | 61.81                      | 0.00                           | 0.00                                | 500.00               |                            |                             |                            |                            |
| 14:20:00                                | 272.47                                                                  | 27.11         | 22.35                            | 61.93                      | 0.00                           | 0.00                                | 500.00               |                            |                             |                            |                            |
| 14:30:00                                | 207.88                                                                  | 18.30         | 17.48                            | 62.01                      | 0.00                           | 0.00                                | 500.00               |                            |                             |                            |                            |
| 14:36:00                                | INCREASE INVERT PUMP RATE TO 1000 LITERS PER MINUTE.                    |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 14:40:00                                | 169.71                                                                  | 17.81         | 6.39                             | 62.09                      | 0.00                           | 0.00                                | 1000.00              |                            |                             |                            |                            |
| 14:45:00                                | DECREASE INVERT PUMP RATE TO 360 LITERS PER MINUTE.                     |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 14:50:00                                | 66.94                                                                   | 5.09          | 0.00                             | 62.09                      | 0.00                           | 0.00                                | 360.00               |                            |                             |                            |                            |
| 14:55:00                                | DIVERT FLOW FROM ALPINE VESSEL TO SHAKER.                               |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
| 15:00:00                                | 61.07                                                                   | 1.42          | 0.00                             | 62.09                      | 0.00                           | 0.00                                | 0.00                 | 47.80                      | -13.60                      | -10.00                     | -23.95                     |
| 15:00:00                                | DISCONTINUE MONITORING WELL AND RETURN TO CONVENTIONAL DRILLING.        |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
|                                         | NET GAS FLARED IN 9 HOURS = 0 THm <sup>3</sup> / DAY                    |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
|                                         | TOTAL INVERT LOST IN 9 HOURS = 15.3 m <sup>3</sup>                      |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
|                                         | HOLE NOW FILLED WITH INVERT, NOT ACTUALLY LOST INTO THE FORMATION.      |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |
|                                         | H2S READING = 0%                                                        |               |                                  |                            |                                |                                     |                      |                            |                             |                            |                            |





CUSTOMER: ALPINE RES. METER: 15405A  
CHART PUT ON: 06:00 TAKEN OFF: 06:00  
TIME ON: 06:00 DATE OFF: 06:00  
DATE ON: 06:00 DISC NO.: 8-57  
LOCATION: 76200 ORIENT  
REMARKS: RD.  
CSI-975

MADE IN CANADA  
FAIT AU CANADA

