

# CALGARY COPY

9211-P33-4-1RE

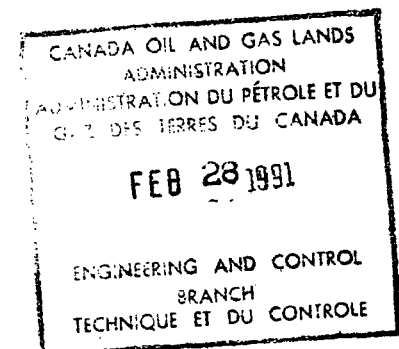
**NORTHLAND**  
PRODUCTION TESTING LTD.

## PRODUCTION SUMMARY

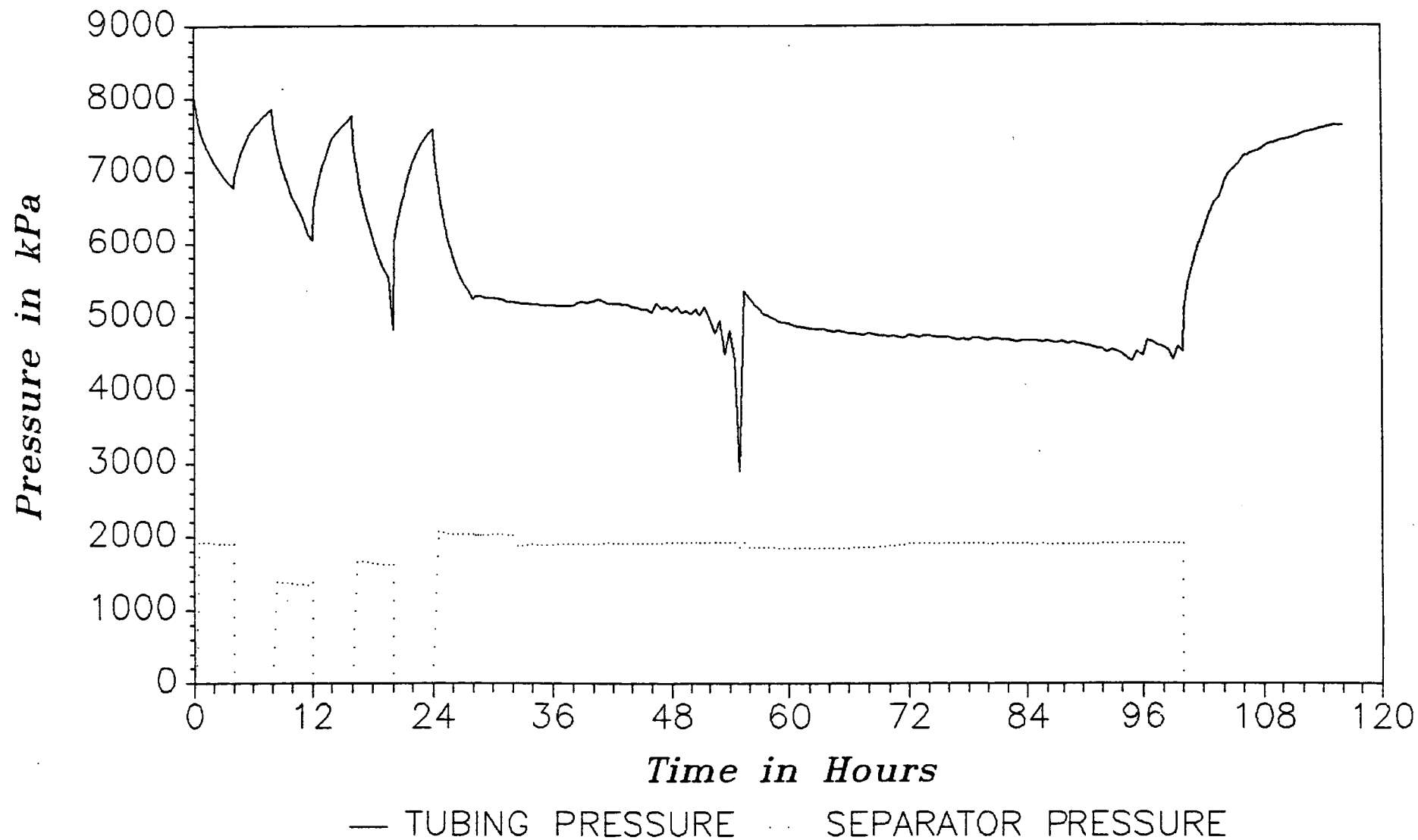
Customer: PARAMOUNT RESOURCES LTD.  
Test: 4 POINT MOD. ISOCH. TEST  
Duration: 91/02/01 1200 hrs. to 91/02/06 0800 hrs.

Well: PARAMOUNT et al CAMERON  
L.S.D. # B-08 60-10-117-30  
Formation: SULPHUR POINT

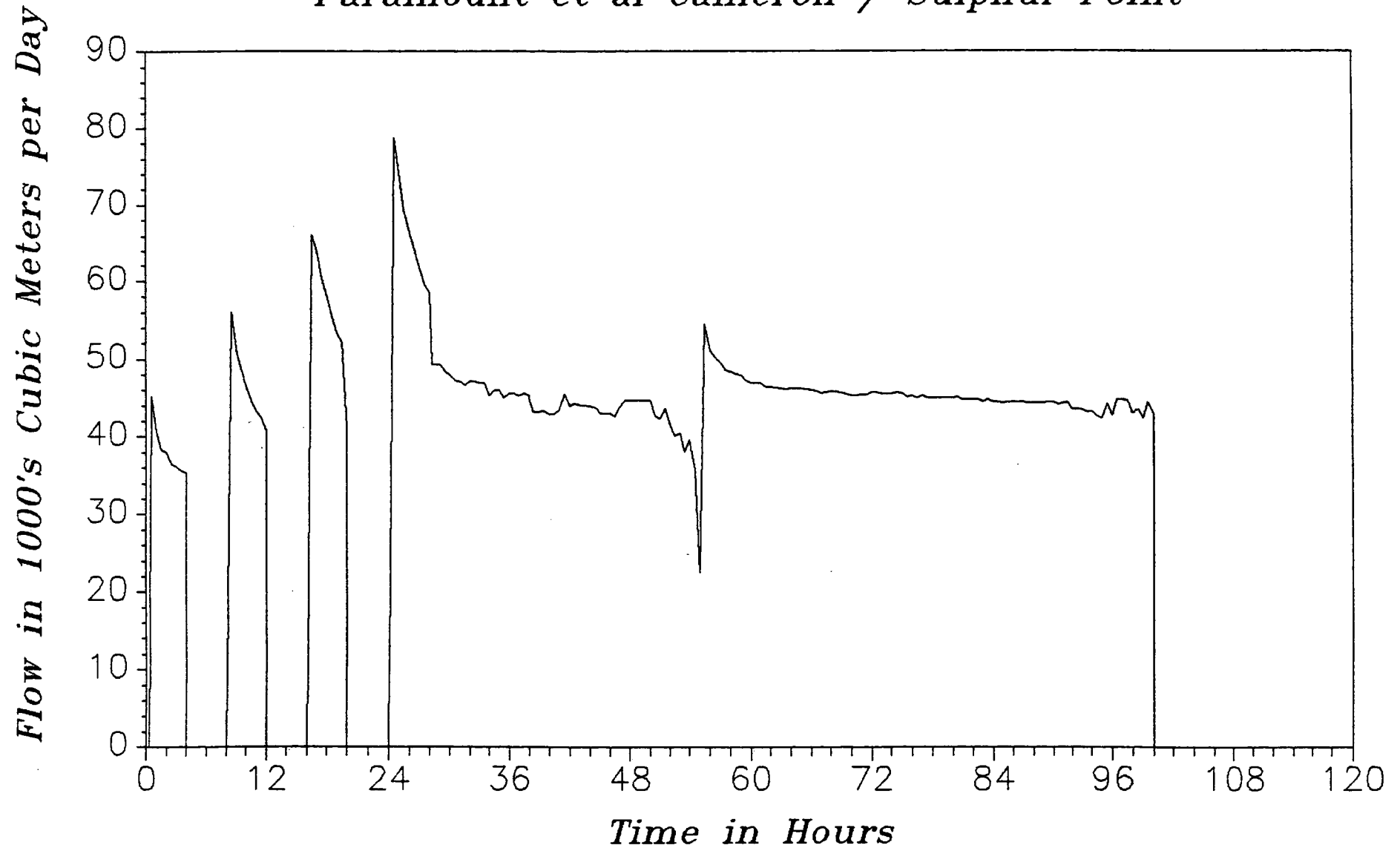
| DATE     | TIME | FLOW<br>TIME | WELLHEAD      |              |               | Choke       |      | Tbg.<br>D.D. | GAS                            |                                | CONDENSATE OR OIL  |                |               |                   | WATER              |                |        |    |
|----------|------|--------------|---------------|--------------|---------------|-------------|------|--------------|--------------------------------|--------------------------------|--------------------|----------------|---------------|-------------------|--------------------|----------------|--------|----|
|          |      |              | Tbg.<br>Press | Flow<br>Temp | Csg.<br>Press | or<br>Orif. |      |              | Q                              | Cumm.<br>Prod.                 | Avg.<br>hourly     | Cumm.<br>Prod. | Sp.Gr<br>60°F | Grind<br>Out      | Avg.<br>hourly     | Cumm.<br>Prod. | Salin. | PH |
|          | Hrs  | Hrs          | kPa           | °C           | kPa           | mm          | %    |              | 10 <sup>3</sup> m <sup>3</sup> | 10 <sup>3</sup> m <sup>3</sup> | m <sup>3</sup> /hr | m <sup>3</sup> | °API          | %H <sub>2</sub> O | m <sup>3</sup> /hr | m <sup>3</sup> | ppm    |    |
| 91/02/01 | 1600 | 4.0          | 6780          | 4            | 520           | 6.35        | 15.7 |              | 35.45                          | 6.37569                        |                    |                |               |                   |                    |                |        |    |
| 91/02/01 | 2400 | 4.0          | 6060          | 4            | 1000          | 7.34        | 24.6 |              | 40.82                          | 14.1195                        |                    |                |               |                   |                    |                |        |    |
| 91/02/02 | 0800 | 4.0          | 4815          | 5            | 1300          | 7.94        | 40.1 |              | 41.09                          | 23.5100                        |                    |                |               |                   |                    |                |        |    |
| 91/02/02 | 1600 | 4.0          | 5230          | 7            | 1600          | 8.53        | 35.0 |              | 58.50                          | 34.6122                        |                    |                |               |                   |                    |                |        |    |
| 91/02/05 | 1600 | 72.0         | 4515          | 6            | 1625          | 7.94        | 43.8 |              | 42.90                          | 169.176                        |                    |                |               |                   |                    | 0.20           |        |    |



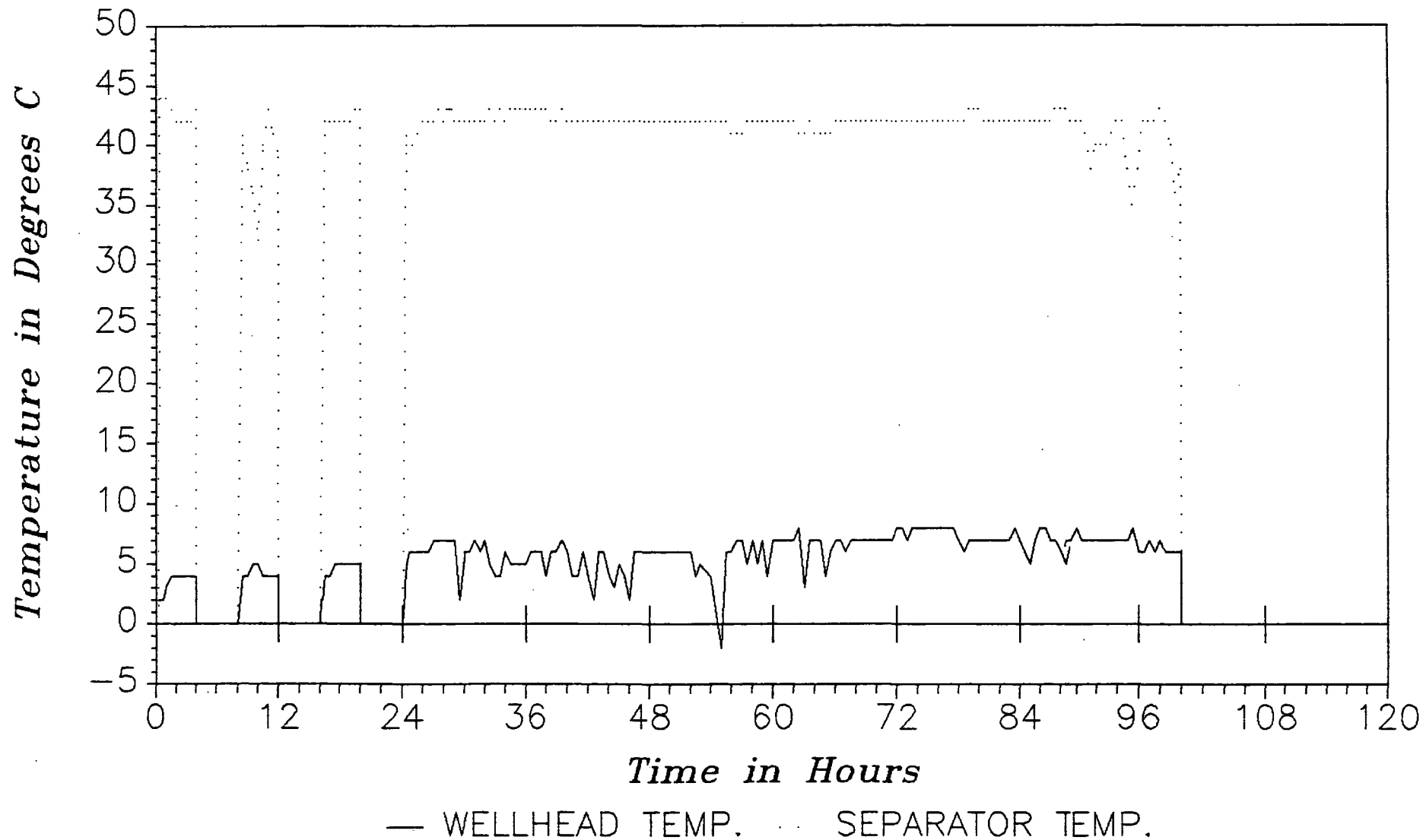
*Tubing and Separator Pressure  
4 Point Mod. Isoch. B-08 60-10-117-30  
Paramount et al Cameron / Sulphur Point*



*Flow Rate*  
*4 Point Mod. Isoch. B-08 60-10-117-30*  
*Paramount et al Cameron / Sulphur Point*



*Wellhead and Separator Temperature  
4 Point Mod. Isoch. B-08 60-10-117-30  
Paramount et al Cameron / Sulphur Point*



## DAILY OPERATIONS SUMMARY

|                | DATE     | TIME  | DESCRIPTION                                      |
|----------------|----------|-------|--------------------------------------------------|
| B-08 60-10-117 | 91/01/31 | 08:30 | WIRELIN ON LOCATION TO RUN RECORDERS             |
|                |          | 10:15 | 360 hr RECORDERS LANDED AT 1380 mCF              |
|                |          | 10:40 | RIG OUT WIRELIN                                  |
|                | 91/02/01 | 12:00 | OPEN WELL ON 4.76 mm CHOKE FOR RATE 1            |
|                |          | 12:00 | SP. GR. OF 0.647 USED FOR FLOW RATE CALCULATIONS |
|                |          | 12:00 | pPc = 4779.0 kPa pTc = 202.1 DEG. K.             |
|                |          | 12:02 | METER IN SERVICE 22.23 mm ORIFICE PLATE          |
|                |          | 12:04 | INCREASE CHOKE TO 5.16 mm                        |
|                |          | 12:10 | INCREASE CHOKE TO 5.56 mm                        |
|                |          | 12:20 | INCREASE CHOKE TO 5.95 mm                        |
|                |          | 12:20 | CHANGE ORIFICE PLATE TO 28.58 mm                 |
|                |          | 12:25 | INCREASE CHOKE TO 6.35 mm                        |
|                |          | 16:00 | END RATE 1 / SHUT IN WELL FOR BUILDUPS           |
|                |          | 20:00 | OPEN WELL ON 7.14 mm CHOKE FOR RATE 2            |
|                |          | 20:02 | ATTEMPT TO PUT METER IN SERVICE / UNABLE TO      |
|                |          | 20:11 | METER IN SERVICE 28.58 mm ORIFICE PLATE          |
|                |          | 20:22 | INCREASE CHOKE TO 7.34 mm                        |
|                |          | 23:59 | END RATE 2 / SHUT IN WELL FOR BUILDUPS           |
|                | 91/02/02 | 04:00 | OPEN WELL ON 7.94 mm CHOKE FOR RATE 3            |
|                |          | 04:03 | METER IN SERVICE 31.75 mm ORIFICE PLATE          |
|                |          | 04:08 | INCREASE BACK PRESSURE                           |

## DAILY OPERATIONS SUMMARY

|                | DATE     | TIME  | DESCRIPTION                                   |
|----------------|----------|-------|-----------------------------------------------|
| B-08 60-10-117 | 91/02/02 | 06:00 | H2S = 1.2% / CO2 = 6.0%                       |
|                |          | 07:45 | DOWNHOLE PROBLEMS OCCURING                    |
|                |          | 08:00 | END RATE 3 / SHUT IN WELL FOR BUILDUPS        |
|                |          | 08:00 | PUMP METHANOL                                 |
|                |          | 12:00 | OPEN WELL ON 8.33 mm CHOKE FOR RATE 4         |
|                |          | 12:05 | METER IN SERVICE 31.75 mm ORIFICE PLATE       |
|                |          | 12:27 | INCREASE CHOKE TO 8.53 mm                     |
|                |          | 14:51 | ESD FAILURE / WELL SHUT IN APPROX. 1.5 min.   |
|                |          | 16:00 | END RATE 4 / CONTINUE ON EXTENDED RATE        |
|                |          | 16:00 | DECREASE CHOKE TO 7.94 mm                     |
|                |          | 20:01 | DECREASE BACK PRESSURE                        |
|                | 91/02/03 | 06:00 | H2S = 1.0%                                    |
|                |          | 13:00 | LIQUID TO SURFACE                             |
|                |          | 15:15 | CHANGE ORIFICE PLATE TO 28.58 mm              |
|                |          | 19:10 | METER OUT OF SERVICE / DECREASE BACK PRESSURE |
|                |          | 19:10 | INCREASE CHOKE TO 16.67 mm                    |
|                |          | 19:15 | DECREASE CHOKE TO 7.94 mm                     |
|                |          | 19:15 | METER IN SERVICE 28.58 mm ORIFICE PLATE       |
|                |          | 19:15 | HYDRATE CLEAR                                 |
|                | 91/02/04 | 06:00 | H2S = 1.0%                                    |
|                | 91/02/05 | 06:00 | H2S = 1.0%                                    |

## DAILY OPERATIONS SUMMARY

|                | DATE     | TIME  | DESCRIPTION                                     |
|----------------|----------|-------|-------------------------------------------------|
| B-08 60-10-117 | 91/02/05 | 14:00 | AGAT LAB HP GAS SAMPLES # 3559 # 2891           |
|                |          | 14:00 | 2 LP WATER AND OIL SAMPLES TAKEN                |
|                |          | 14:00 | H2S = 1.17% (TUTWEILLER) / CO2 = 4.2% (GASTECH) |
|                |          | 16:00 | END EXTENDED RATE / SHUT IN WELL FOR BUILDUPS   |
|                | 91/02/06 | 08:00 | END OF TEST / RIG OUT EQUIPMENT                 |