

DRAW DOWN & FLOWING GRADIENT TEST

COMPANY: PETRO-TECH PERUANA S.A.

WELL: LO16 - 24

FIELD: LOBITOS OFFSHORE

DATE: JANUARY 09th - 10th, 2004

GEOSCIENCES  
Central File

MAR. 17, 2004

DATE

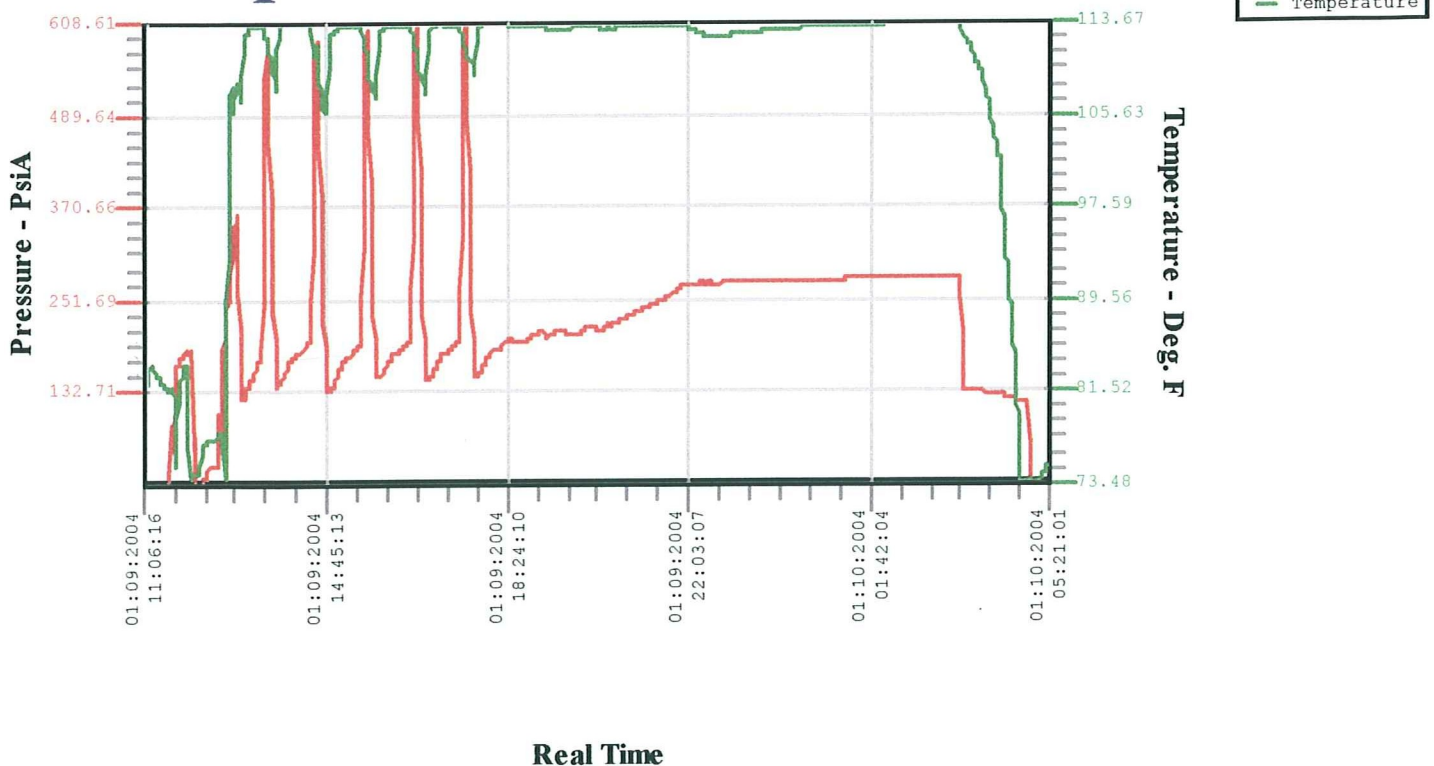
**CENTRAL FILE**  
Geosciences

# Well Test Data

Test name: DDLO16-24

Company: FLOWPETROL S.A.  
Client: PETRO-TECH PERUANA S.A.  
Gauge number: 01176  
Well name: L016-24  
Well number: 24  
Test number: 001  
Field name: LOBITOS OFFSHORE  
County: TALARA  
State: PIURA  
Date of test: 09th -10th, JANUARY 2004  
Type of test: DRAW DOWN FOR 12HRS  
Well status: PRODUCER  
BHP on bottom: -  
BHP off bottom: 281.31 PSIA  
Bottom gauge number: 91176  
Starting tubing pressure: -  
Starting casing pressure: 100 PSIG  
Ending tubing pressure: -  
Ending casing pressure: -  
Depth of tool: 9965'  
Surface elevation: -  
Tool zero point: -  
Tubing size: 2 7/8"  
Bottom hole temperature: 113.67 deg F  
:  
:  
:  
Test operator: ENG MARCIAL CACERES  
Comments:  
:  
:  
:

## Temperature / Pressure Data

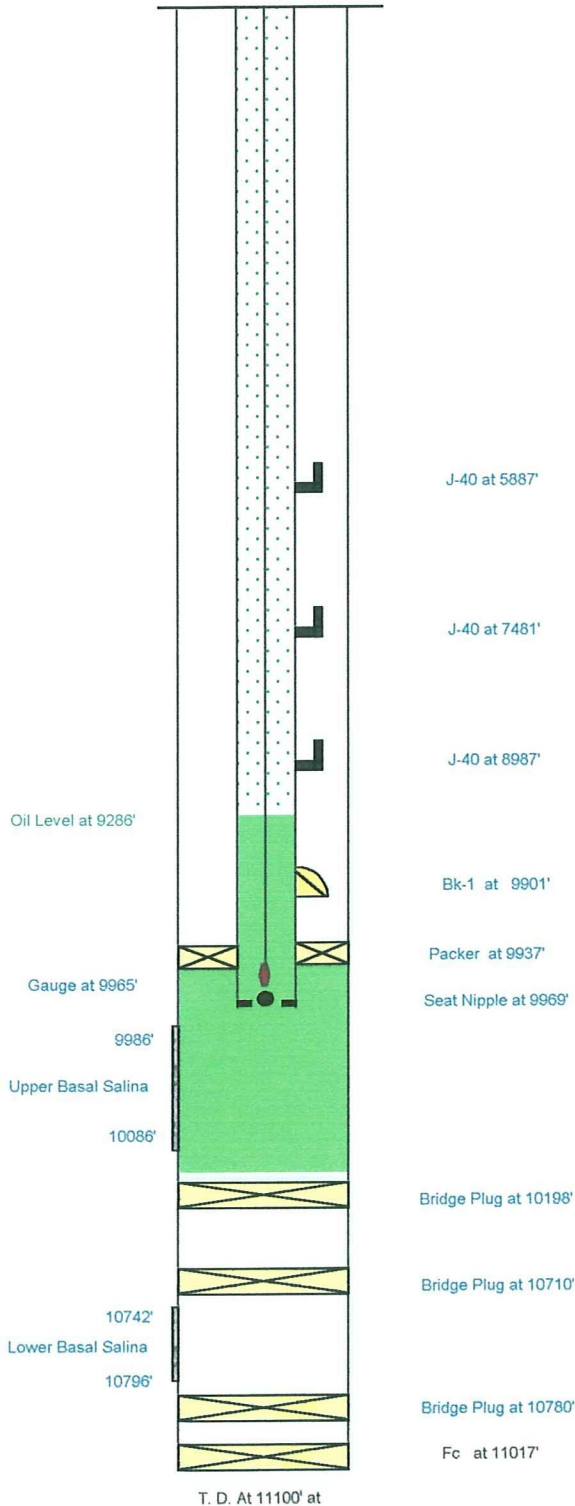


## FLOWING GRADIENT TEST

Field : Lobitos Offshore  
Well : LO16-24

Sand(s) : Upper Basal Salina  
Interval(s) : ( 10086' - 9986' )

At Flowing Condition



Well Status : Producer  
Installation : Conventional  
Production (STB) : 38 (December, 2003)  
Cumul. (Np) : 152491 (December, 2003)

### FIELD REPORT :

#### January 09th, 2003

08:00 Rig up  
09:35 RIH Dead Weight at 9969'  
11:06 Activate Memory gauges FPT  
12:39 RIH Gauges  
12:53 Gauges at 9965'.  
13:25 First gas Injection  
14:25 Second Gas Injection  
15:25 Third Gas Injection  
16:25 Fourth Gas Injection  
17:25 Fifth Gas Injection  
17:45 Shut in gas Injection x 10 hrs

#### January 09th, 2003

03:31 POOH Gauges with steps at follows:  
9965' - 9600' - 9200' - 8800' - 8400' - 8000'  
7600' - 7200' - 6800' - 6400' - 6000' - 5000'  
4000' - 3000' - 2000' - 1000' - 0'  
04:50 Gauges on Surface .  
WHP=100 psig  
17:15 Well in Production  
18:00 Rig Down.

$N_p = 152 \text{ MBLs}$   
 $T_{amb} = 113^\circ F$

Oil Level  $\rightarrow 9286' \text{ MD } (6636' \text{ VD})$   
 $(0.838 \text{ psi/ft})$

Memory  $\rightarrow 9969' \text{ MD } (7073' \text{ VD}) = 28 \text{ psi}$

MAPP  $\rightarrow 10,026' \text{ MD } (7111' \text{ VD})$   
 $= 294 \text{ psi}$

$P_{STAT} = 294 \text{ psi}$  (No Deposition)

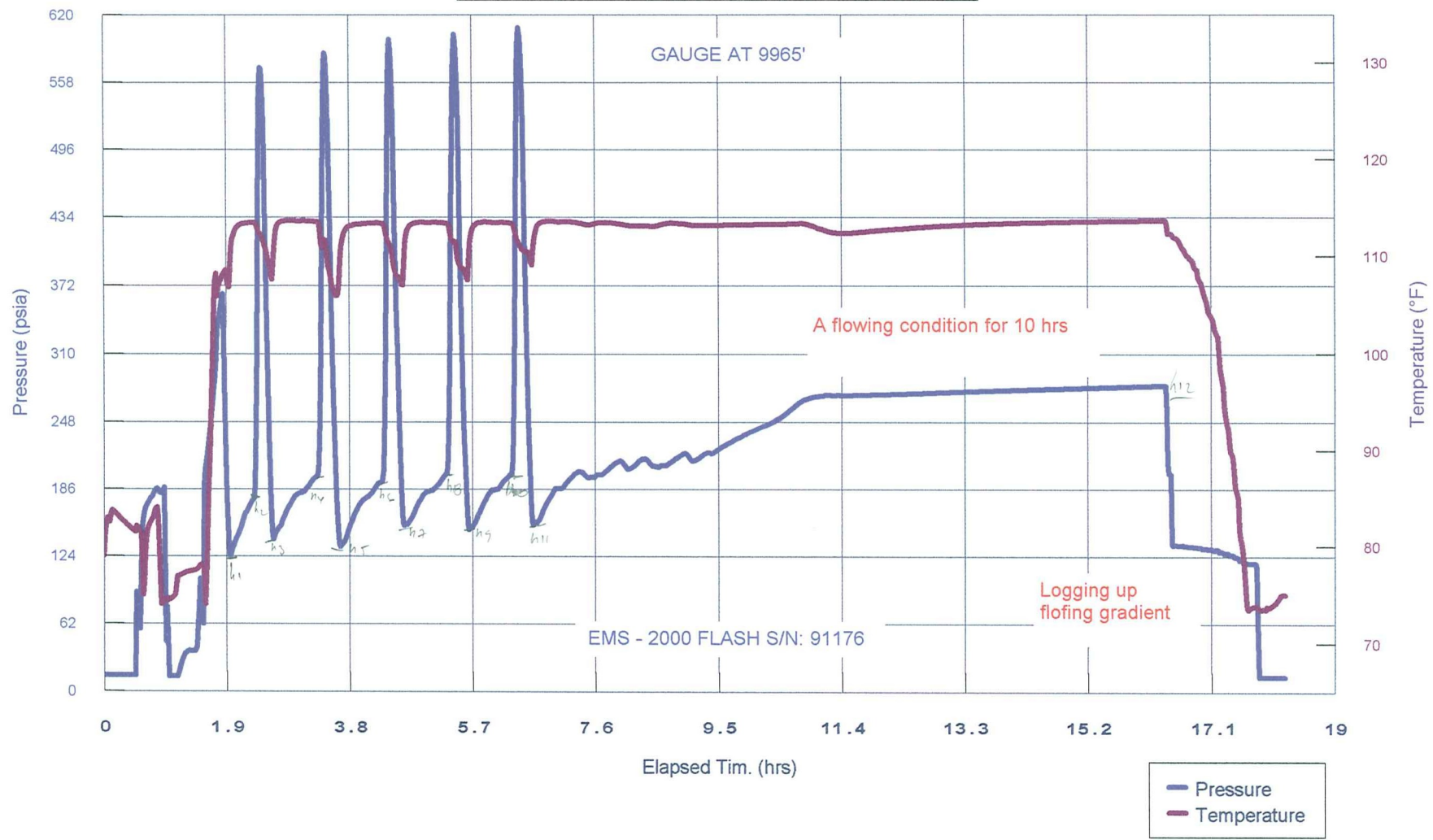
$P_{GMA} = 294$   
 $F_{TH} = 0.04 \text{ psi/ft}$

$FBHP = 192 \text{ psi}$

Field Operator : Jorge Sanjinez

Field Supervisor : Marcial Cáceres

# TEMPERATURE / PRESSURE DATA FLOWING GRADIENT TEST



**Summary of Results Well: LO16-24**

|                                                        |                                     |                  |
|--------------------------------------------------------|-------------------------------------|------------------|
| Date of Test                                           | January 09th-10th, 2003             |                  |
| Formation                                              | Upper Basal Salina (10086' - 9986') |                  |
| Depth of gauges                                        | 9,965                               | M.D. ft          |
|                                                        | 7,070                               | V.D. ft          |
| <b>10 hrs. at Flowing Condition las Gas Injecction</b> |                                     |                  |
| Well Head Pressure (Tubing)                            | 100.00                              | psig (Manometer) |
| Well Head Pressure (Annulus)                           | -                                   | psig (Manometer) |
| Flowing Pressure at 9965' MD                           | 281.31                              | psia (Memory)    |
| Flowing Temperature at 9965' MD                        | 113.67                              | °F               |
| Gradient at 9965' MD                                   | 0.0398                              | psi/ft           |
| Oil level                                              | 9286                                | ft. MD           |
|                                                        | 6637                                | ft. VD           |
| Water level                                            | -                                   | ft. MD           |
|                                                        | -                                   | ft. VD           |
| Oil Gradient                                           | 0.3383                              | psi/ft           |
| Gas Gradient                                           | 0.0024                              | psi/ft           |

**Remark:**

Injecction Cycle                      60' x 6'  
 System Pressure                      1000      psig  
 Separator Pressure                      30      psig  
 Produccion for cycle                      1.9      Bls (Floco)  
 Reset Gas Lift Injection and well was producing

**Set and Security:**

Personal Elements of Security: Complete.  
 Flowpetrol workres cleaned location after job

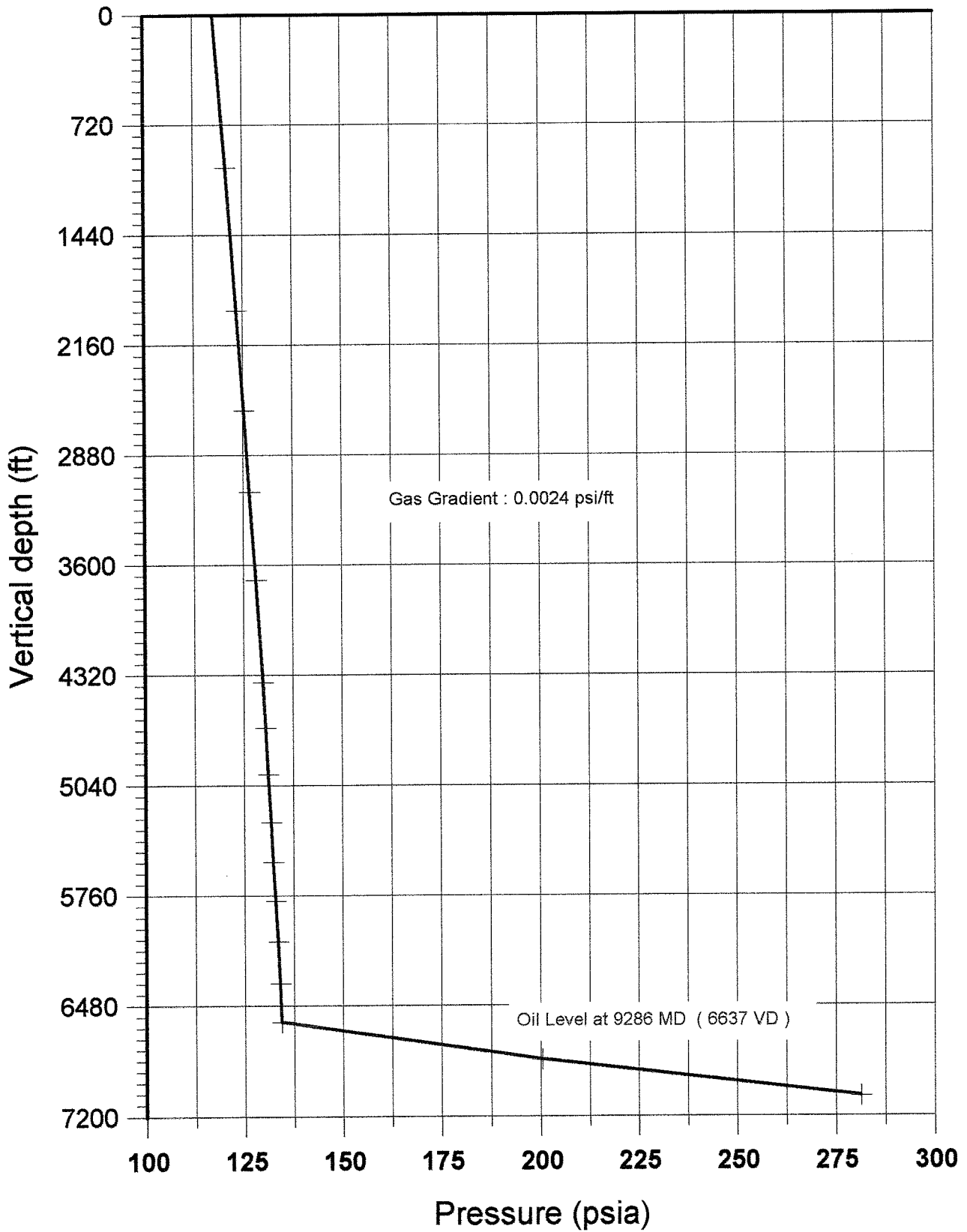
### Fluid Level at Flowing Condition (while POOH gauges)

| Measured depth (ft) | Vertical depth (ft) | Pressure (psia) | Gradient (psi/ft) |
|---------------------|---------------------|-----------------|-------------------|
| 0                   | 0.00                | 117.78          |                   |
| 1000                | 999.60              | 120.78          | 0.0030            |
| 2000                | 1932.06             | 123.46          | 0.0029            |
| 3000                | 2586.33             | 125.25          | 0.0027            |
| 4000                | 3118.98             | 126.63          | 0.0026            |
| 5000                | 3696.70             | 128.16          | 0.0026            |
| 6000                | 4367.31             | 129.88          | 0.0026            |
| 6400                | 4661.37             | 130.47          | 0.0020            |
| 6800                | 4966.14             | 131.17          | 0.0023            |
| 7200                | 5278.12             | 131.83          | 0.0021            |
| 7600                | 5537.57             | 132.37          | 0.0021            |
| 8000                | 5793.17             | 132.93          | 0.0022            |
| 8400                | 6058.42             | 133.50          | 0.0021            |
| 8800                | 6331.77             | 134.08          | 0.0021            |
| 9200                | 6584.67             | 134.43          | 0.0014            |
| 9600                | 6831.12             | 200.37          | 0.2676            |
| 9965                | 7070.35             | 281.31          | 0.3383            |

### Levels & Gradients

|          | Flowing levels |               | Gradient (psi/ft) |
|----------|----------------|---------------|-------------------|
|          | Measured (ft)  | Vertical (ft) |                   |
| Gas=     | 0              | 0             | 0.0024            |
| Oil=     | 9286           | 6637          | 0.3383            |
| Gauges = | 9965           | 7070          | 0.0398            |

# Fluid Level at Flowing Condition (while POOH gauges)





## Well LO16-24: Development Test

| Date                      | Time     | Elapsed Time (hrs) | Pressure (psia) | Temperature (°F) | Date                      | Time     | Elapsed Time (hrs) | Pressure (psia) | Temperature (°F) |
|---------------------------|----------|--------------------|-----------------|------------------|---------------------------|----------|--------------------|-----------------|------------------|
| Activate Gauge s/n: 91176 |          |                    |                 |                  | 01/09/2004                | 12:02:01 | 0.92917            | 185.46          | 74.36            |
| 01/09/2004                | 11:06:16 | 0.00000            | 15.18           | 79.06            | 01/09/2004                | 12:03:01 | 0.94583            | 187.08          | 74.59            |
| 01/09/2004                | 11:06:17 | 0.00028            | 15.14           | 79.08            | 01/09/2004                | 12:04:01 | 0.96250            | 46.26           | 74.36            |
| 01/09/2004                | 11:06:18 | 0.00056            | 15.11           | 79.11            | 01/09/2004                | 12:05:01 | 0.97917            | 77.78           | 74.36            |
| 01/09/2004                | 11:06:19 | 0.00083            | 15.15           | 79.12            | 01/09/2004                | 12:06:01 | 0.99583            | 52.14           | 74.62            |
| 01/09/2004                | 11:06:20 | 0.00111            | 15.12           | 79.14            | Despressurized Lubricator |          |                    |                 |                  |
| 01/09/2004                | 11:06:21 | 0.00139            | 15.31           | 79.15            | 01/09/2004                | 12:07:01 | 1.01250            | 14.12           | 74.56            |
| 01/09/2004                | 11:06:22 | 0.00167            | 15.12           | 79.16            | 01/09/2004                | 12:08:01 | 1.02917            | 14.16           | 74.54            |
| 01/09/2004                | 11:06:23 | 0.00194            | 15.20           | 79.18            | 01/09/2004                | 12:09:01 | 1.04583            | 14.19           | 74.60            |
| 01/09/2004                | 11:06:24 | 0.00222            | 15.15           | 79.19            | 01/09/2004                | 12:10:01 | 1.06250            | 14.13           | 74.68            |
| 01/09/2004                | 11:06:25 | 0.00250            | 15.13           | 79.20            | 01/09/2004                | 12:11:01 | 1.07917            | 14.16           | 74.77            |
| 01/09/2004                | 11:06:26 | 0.00278            | 15.14           | 79.21            | 01/09/2004                | 12:12:01 | 1.09583            | 14.16           | 74.90            |
| 01/09/2004                | 11:06:27 | 0.00306            | 14.89           | 79.24            | 01/09/2004                | 12:13:01 | 1.11250            | 14.13           | 75.05            |
| 01/09/2004                | 11:06:28 | 0.00333            | 14.82           | 79.23            | 01/09/2004                | 12:14:01 | 1.12917            | 14.14           | 76.03            |
| 01/09/2004                | 11:06:29 | 0.00361            | 15.14           | 79.24            | 01/09/2004                | 12:15:01 | 1.14583            | 14.16           | 76.89            |
| 01/09/2004                | 11:06:30 | 0.00389            | 14.99           | 79.26            | Pressurized Lubricator    |          |                    |                 |                  |
| 01/09/2004                | 11:06:31 | 0.00417            | 15.00           | 79.26            | 01/09/2004                | 12:16:01 | 1.16250            | 18.31           | 76.96            |
| 01/09/2004                | 11:06:32 | 0.00444            | 15.16           | 79.31            | 01/09/2004                | 12:17:01 | 1.17917            | 22.07           | 77.01            |
| 01/09/2004                | 11:06:33 | 0.00472            | 15.13           | 79.32            | 01/09/2004                | 12:18:01 | 1.19583            | 25.38           | 77.06            |
| 01/09/2004                | 11:06:34 | 0.00500            | 15.16           | 79.33            | 01/09/2004                | 12:19:01 | 1.21250            | 28.37           | 77.13            |
| 01/09/2004                | 11:06:35 | 0.00528            | 15.20           | 79.33            | 01/09/2004                | 12:20:01 | 1.22917            | 30.97           | 77.19            |
| 01/09/2004                | 11:06:36 | 0.00556            | 15.24           | 79.35            | 01/09/2004                | 12:21:01 | 1.24583            | 33.20           | 77.24            |
| 01/09/2004                | 11:06:37 | 0.00583            | 15.14           | 79.37            | 01/09/2004                | 12:22:01 | 1.26250            | 35.05           | 77.29            |
| 01/09/2004                | 11:06:38 | 0.00611            | 15.15           | 79.38            | 01/09/2004                | 12:23:01 | 1.27917            | 35.77           | 77.33            |
| 01/09/2004                | 11:06:39 | 0.00639            | 15.22           | 79.39            | 01/09/2004                | 12:24:01 | 1.29583            | 36.58           | 77.36            |
| 01/09/2004                | 11:06:40 | 0.00667            | 15.24           | 79.40            | 01/09/2004                | 12:25:01 | 1.31250            | 37.21           | 77.39            |
| 01/09/2004                | 11:06:41 | 0.00694            | 15.25           | 79.40            | 01/09/2004                | 12:26:01 | 1.32917            | 37.40           | 77.42            |
| 01/09/2004                | 11:06:42 | 0.00722            | 15.15           | 79.42            | 01/09/2004                | 12:27:01 | 1.34583            | 37.26           | 77.44            |
| 01/09/2004                | 11:06:43 | 0.00750            | 15.28           | 79.43            | 01/09/2004                | 12:28:01 | 1.36250            | 37.20           | 77.47            |
| 01/09/2004                | 11:06:44 | 0.00778            | 15.20           | 79.44            | 01/09/2004                | 12:29:01 | 1.37917            | 37.11           | 77.50            |
| 01/09/2004                | 11:06:45 | 0.00806            | 15.12           | 79.45            | 01/09/2004                | 12:30:01 | 1.39583            | 36.92           | 77.52            |
| 01/09/2004                | 11:06:46 | 0.00833            | 15.14           | 79.46            | 01/09/2004                | 12:31:01 | 1.41250            | 36.98           | 77.55            |
| 01/09/2004                | 11:06:47 | 0.00861            | 15.16           | 79.48            | 01/09/2004                | 12:32:01 | 1.42917            | 39.00           | 77.59            |
| 01/09/2004                | 11:06:48 | 0.00889            | 15.28           | 79.58            | 01/09/2004                | 12:33:01 | 1.44583            | 41.82           | 77.64            |
| 01/09/2004                | 11:06:49 | 0.00917            | 15.13           | 79.83            | 01/09/2004                | 12:34:01 | 1.46250            | 61.45           | 77.77            |
| 01/09/2004                | 11:06:50 | 0.00944            | 14.72           | 79.86            | 01/09/2004                | 12:35:01 | 1.47917            | 76.89           | 77.92            |
| 01/09/2004                | 11:07:01 | 0.01250            | 14.70           | 79.88            | 01/09/2004                | 12:36:01 | 1.49583            | 103.33          | 78.11            |
| 01/09/2004                | 11:08:01 | 0.02917            | 14.77           | 81.81            | 01/09/2004                | 12:37:01 | 1.51250            | 82.13           | 78.15            |
| 01/09/2004                | 11:09:01 | 0.04583            | 14.76           | 82.40            | 01/09/2004                | 12:38:01 | 1.52917            | 70.78           | 78.11            |
| 01/09/2004                | 11:10:01 | 0.06250            | 14.80           | 82.97            | 01/09/2004                | 12:39:01 | 1.54583            | 62.11           | 78.11            |
| 01/09/2004                | 11:11:01 | 0.07917            | 14.72           | 82.77            | RIH Gauges                |          |                    |                 |                  |
| 01/09/2004                | 11:12:01 | 0.09583            | 14.69           | 82.54            | 01/09/2004                | 12:40:01 | 1.56250            | 189.35          | 77.08            |
| 01/09/2004                | 11:13:01 | 0.11250            | 14.74           | 83.45            | 01/09/2004                | 12:41:01 | 1.57917            | 203.86          | 74.05            |
| 01/09/2004                | 11:14:01 | 0.12917            | 14.83           | 83.80            | 01/09/2004                | 12:42:01 | 1.59583            | 214.20          | 78.35            |
| 01/09/2004                | 11:15:01 | 0.14583            | 14.79           | 83.71            | 01/09/2004                | 12:43:01 | 1.61250            | 222.81          | 83.21            |
| 01/09/2004                | 11:16:01 | 0.16250            | 14.77           | 83.63            | 01/09/2004                | 12:44:01 | 1.62917            | 231.20          | 86.58            |
| 01/09/2004                | 11:17:01 | 0.17917            | 14.77           | 83.54            | 01/09/2004                | 12:45:01 | 1.64583            | 239.85          | 89.55            |
| 01/09/2004                | 11:18:01 | 0.19583            | 14.81           | 83.43            | 01/09/2004                | 12:46:01 | 1.66250            | 249.69          | 93.18            |
| 01/09/2004                | 11:19:01 | 0.21250            | 14.76           | 83.31            | 01/09/2004                | 12:47:01 | 1.67917            | 260.59          | 97.41            |
| 01/09/2004                | 11:20:01 | 0.22917            | 14.82           | 83.19            | 01/09/2004                | 12:48:01 | 1.69583            | 270.96          | 101.33           |
| 01/09/2004                | 11:21:01 | 0.24583            | 14.79           | 83.07            | 01/09/2004                | 12:49:01 | 1.71250            | 280.92          | 105.12           |
| 01/09/2004                | 11:22:01 | 0.26250            | 14.78           | 82.95            | 01/09/2004                | 12:50:01 | 1.72917            | 290.69          | 107.35           |
| 01/09/2004                | 11:23:01 | 0.27917            | 14.80           | 82.83            | 01/09/2004                | 12:51:01 | 1.74583            | 307.39          | 108.22           |
| 01/09/2004                | 11:24:01 | 0.29583            | 14.80           | 82.71            | 01/09/2004                | 12:52:01 | 1.76250            | 332.21          | 105.93           |
| 01/09/2004                | 11:25:01 | 0.31250            | 14.81           | 82.60            | Gauges at 9965'           |          |                    |                 |                  |
| 01/09/2004                | 11:26:01 | 0.32917            | 14.81           | 82.49            | 01/09/2004                | 12:53:01 | 1.77917            | 339.21          | 106.84           |
| 01/09/2004                | 11:27:01 | 0.34583            | 14.81           | 82.38            | 01/09/2004                | 12:54:01 | 1.79583            | 346.01          | 107.29           |
| 01/09/2004                | 11:28:01 | 0.36250            | 14.83           | 82.27            | 01/09/2004                | 12:55:01 | 1.81250            | 353.10          | 107.64           |
| 01/09/2004                | 11:29:01 | 0.37917            | 14.85           | 82.17            | 01/09/2004                | 12:56:01 | 1.82917            | 359.88          | 107.92           |
| 01/09/2004                | 11:30:01 | 0.39583            | 14.82           | 82.07            | 01/09/2004                | 12:57:01 | 1.84583            | 364.31          | 108.12           |
| 01/09/2004                | 11:31:01 | 0.41250            | 14.80           | 81.97            | 01/09/2004                | 12:58:01 | 1.86250            | 322.30          | 108.29           |
| 01/09/2004                | 11:32:01 | 0.42917            | 14.81           | 81.88            | 01/09/2004                | 12:59:01 | 1.87917            | 258.31          | 108.48           |
| 01/09/2004                | 11:33:01 | 0.44583            | 14.80           | 81.79            | 01/09/2004                | 13:00:01 | 1.89583            | 215.80          | 108.56           |
| 01/09/2004                | 11:34:01 | 0.46250            | 14.80           | 81.70            | 01/09/2004                | 13:01:01 | 1.91250            | 179.09          | 107.59           |
| 01/09/2004                | 11:35:01 | 0.47917            | 14.78           | 81.61            | 01/09/2004                | 13:02:01 | 1.92917            | 152.62          | 106.96           |
| 01/09/2004                | 11:36:01 | 0.49583            | 14.74           | 81.53            | 01/09/2004                | 13:03:01 | 1.94583            | 132.35          | 106.80           |
| Pressurized lubricator    |          |                    |                 |                  | 01/09/2004                | 13:04:01 | 1.96250            | 123.72          | 108.97           |
| 01/09/2004                | 11:37:01 | 0.51250            | 90.78           | 82.13            | 01/09/2004                | 13:05:01 | 1.97917            | 126.34          | 110.90           |
| 01/09/2004                | 11:38:01 | 0.52917            | 75.30           | 81.94            | 01/09/2004                | 13:06:01 | 1.99583            | 130.57          | 111.72           |
| 01/09/2004                | 11:39:01 | 0.54583            | 66.45           | 81.73            | 01/09/2004                | 13:07:01 | 2.01250            | 134.05          | 112.19           |
| 01/09/2004                | 11:40:01 | 0.56250            | 57.34           | 81.55            | 01/09/2004                | 13:08:01 | 2.02917            | 137.47          | 112.57           |
| RIH Gauges                |          |                    |                 |                  | 01/09/2004                | 13:09:01 | 2.04583            | 139.60          | 112.79           |
| 01/09/2004                | 11:41:01 | 0.57917            | 109.23          | 81.46            | 01/09/2004                | 13:10:01 | 2.06250            | 141.76          | 112.94           |
| 01/09/2004                | 11:42:01 | 0.59583            | 150.56          | 78.97            | 01/09/2004                | 13:11:01 | 2.07917            | 143.85          | 113.06           |
| 01/09/2004                | 11:43:01 | 0.61250            | 158.03          | 75.00            | 01/09/2004                | 13:12:01 | 2.09583            | 146.32          | 113.15           |
| 01/09/2004                | 11:44:01 | 0.62917            | 163.84          | 76.28            | 01/09/2004                | 13:13:01 | 2.11250            | 148.60          | 113.22           |
| 01/09/2004                | 11:45:01 | 0.64583            | 167.64          | 79.27            | 01/09/2004                | 13:14:01 | 2.12917            | 151.09          | 113.27           |
| 01/09/2004                | 11:46:01 | 0.66250            | 170.20          | 80.81            | 01/09/2004                | 13:15:01 | 2.14583            | 153.98          | 113.32           |
| 01/09/2004                | 11:47:01 | 0.67917            | 171.94          | 81.64            | 01/09/2004                | 13:16:01 | 2.16250            | 157.39          | 113.34           |
| 01/09/2004                | 11:48:01 | 0.69583            | 173.66          | 82.04            | 01/09/2004                | 13:17:01 | 2.17917            | 160.55          | 113.35           |
| 01/09/2004                | 11:49:01 | 0.71250            | 175.49          | 82.32            | 01/09/2004                | 13:18:01 | 2.19583            | 163.48          | 113.37           |
| 01/09/2004                | 11:50:01 | 0.72917            | 177.16          | 82.58            | 01/09/2004                | 13:19:01 | 2.21250            | 164.68          | 113.38           |
| 01/09/2004                | 11:51:01 | 0.74583            | 178.83          | 82.87            | 01/09/2004                | 13:20:01 | 2.22917            | 167.49          | 113.40           |
| 01/09/2004                | 11:52:01 | 0.76250            | 180.49          | 83.00            | 01/09/2004                | 13:21:01 | 2.24583            | 169.37          | 113.41           |
| 01/09/2004                | 11:53:01 | 0.77917            | 182.82          | 83.41            | 01/09/2004                | 13:22:01 | 2.26250            | 171.04          | 113.42           |
| 01/09/2004                | 11:54:01 | 0.79583            | 184.35          | 83.85            | 01/09/2004                | 13:23:01 | 2.27917            | 173.12          | 113.42           |
| 01/09/2004                | 11:55:01 | 0.81250            | 185.70          | 84.01            | 01/09/2004                | 13:24:01 | 2.29583            | 175.09          | 113.42           |
| 01/09/2004                | 11:56:01 | 0.82917            | 186.19          | 84.05            | 01/09/2004                | 13:25:01 | 2.31250            | 175.79          | 113.42           |
| POOH Gauges               |          |                    |                 |                  | First gas Injection       |          |                    |                 |                  |
| 01/09/2004                | 11:57:01 | 0.84583            | 185.25          | 82.94            | 01/09/2004                | 13:26:01 | 2.32917            | 177.23          | 113.42           |
| 01/09/2004                | 11:58:01 | 0.86250            | 183.40          | 79.95            | 01/09/2004                | 13:27:01 | 2.34583            | 188.00          | 113.43           |
| 01/09/2004                | 11:59:01 | 0.87917            | 182.62          | 76.68            | 01/09/2004                | 13:28:01 | 2.36250            | 246.03          | 113.31           |
| 01/09/2004                | 12:00:01 | 0.89583            | 182.13          | 74.04            | 01/09/2004                | 13:29:01 | 2.37917            | 315.13          | 113.02           |
| 01/09/2004                | 12:01:01 | 0.91250            | 183.75          | 74.03            | 01/09/2004                | 13:30:01 | 2.39583            | 445.49          | 112.68           |



| Date                 | Time     | Elapsed Time (hrs) | Pressure (psia) | Temperature (°F) | Date                 | Time     | Elapsed Time (hrs) | Pressure (psia) | Temperature (°F) |
|----------------------|----------|--------------------|-----------------|------------------|----------------------|----------|--------------------|-----------------|------------------|
| 01/09/2004           | 13:31:01 | 2.41250            | 538.37          | 112.36           | 01/09/2004           | 15:08:01 | 3.99583            | 174.60          | 113.31           |
| 01/09/2004           | 13:32:01 | 2.42917            | 571.65          | 112.26           | 01/09/2004           | 15:07:01 | 4.01250            | 175.85          | 113.32           |
| 01/09/2004           | 13:33:01 | 2.44583            | 569.84          | 112.10           | 01/09/2004           | 15:08:01 | 4.02917            | 176.37          | 113.33           |
| 01/09/2004           | 13:34:01 | 2.46250            | 552.98          | 111.76           | 01/09/2004           | 15:09:01 | 4.04583            | 177.15          | 113.34           |
| 01/09/2004           | 13:35:01 | 2.47917            | 516.70          | 111.39           | 01/09/2004           | 15:10:01 | 4.06250            | 177.86          | 113.35           |
| 01/09/2004           | 13:36:01 | 2.49583            | 452.38          | 111.05           | 01/09/2004           | 15:11:01 | 4.07917            | 178.52          | 113.36           |
| 01/09/2004           | 13:37:01 | 2.51250            | 389.77          | 110.75           | 01/09/2004           | 15:12:01 | 4.09583            | 178.88          | 113.37           |
| 01/09/2004           | 13:38:01 | 2.52917            | 334.38          | 110.25           | 01/09/2004           | 15:13:01 | 4.11250            | 180.28          | 113.39           |
| 01/09/2004           | 13:39:01 | 2.54583            | 282.42          | 109.56           | 01/09/2004           | 15:14:01 | 4.12917            | 181.54          | 113.39           |
| 01/09/2004           | 13:40:01 | 2.56250            | 236.82          | 109.40           | 01/09/2004           | 15:15:01 | 4.14583            | 182.72          | 113.39           |
| 01/09/2004           | 13:41:01 | 2.57917            | 204.70          | 108.80           | 01/09/2004           | 15:16:01 | 4.16250            | 183.91          | 113.38           |
| 01/09/2004           | 13:42:01 | 2.59583            | 172.57          | 108.03           | 01/09/2004           | 15:17:01 | 4.17917            | 185.47          | 113.39           |
| 01/09/2004           | 13:43:01 | 2.61250            | 147.70          | 107.64           | 01/09/2004           | 15:18:01 | 4.19583            | 186.72          | 113.40           |
| 01/09/2004           | 13:44:01 | 2.62917            | 139.76          | 109.37           | 01/09/2004           | 15:19:01 | 4.21250            | 188.10          | 113.41           |
| 01/09/2004           | 13:45:01 | 2.64583            | 143.77          | 111.44           | 01/09/2004           | 15:20:01 | 4.22917            | 189.64          | 113.41           |
| 01/09/2004           | 13:46:01 | 2.66250            | 146.15          | 112.51           | 01/09/2004           | 15:21:01 | 4.24583            | 191.09          | 113.41           |
| 01/09/2004           | 13:47:01 | 2.67917            | 147.59          | 113.03           | 01/09/2004           | 15:22:01 | 4.26250            | 191.46          | 113.40           |
| 01/09/2004           | 13:48:01 | 2.69583            | 149.55          | 113.26           | 01/09/2004           | 15:23:01 | 4.27917            | 191.57          | 113.39           |
| 01/09/2004           | 13:49:01 | 2.71250            | 150.46          | 113.39           | 01/09/2004           | 15:24:01 | 4.29583            | 192.20          | 113.37           |
| 01/09/2004           | 13:50:01 | 2.72917            | 151.43          | 113.47           | 01/09/2004           | 15:25:01 | 4.31250            | 193.02          | 113.34           |
| 01/09/2004           | 13:51:01 | 2.74583            | 152.88          | 113.54           | Third Gas Injection  |          |                    |                 |                  |
| 01/09/2004           | 13:52:01 | 2.76250            | 156.13          | 113.58           | 01/09/2004           | 15:26:01 | 4.32917            | 204.32          | 113.33           |
| 01/09/2004           | 13:53:01 | 2.77917            | 158.23          | 113.60           | 01/09/2004           | 15:27:01 | 4.34583            | 254.60          | 113.00           |
| 01/09/2004           | 13:54:01 | 2.79583            | 160.68          | 113.61           | 01/09/2004           | 15:28:01 | 4.36250            | 319.21          | 112.46           |
| 01/09/2004           | 13:55:01 | 2.81250            | 162.55          | 113.63           | 01/09/2004           | 15:29:01 | 4.37917            | 429.93          | 111.99           |
| 01/09/2004           | 13:56:01 | 2.82917            | 165.31          | 113.64           | 01/09/2004           | 15:30:01 | 4.39583            | 535.64          | 111.54           |
| 01/09/2004           | 13:57:01 | 2.84583            | 167.53          | 113.66           | 01/09/2004           | 15:31:01 | 4.41250            | 580.85          | 111.41           |
| 01/09/2004           | 13:58:01 | 2.86250            | 169.77          | 113.67           | 01/09/2004           | 15:32:01 | 4.42917            | 597.70          | 111.13           |
| 01/09/2004           | 13:59:01 | 2.87917            | 171.36          | 113.67           | 01/09/2004           | 15:33:01 | 4.44583            | 587.60          | 110.92           |
| 01/09/2004           | 14:00:01 | 2.89583            | 172.89          | 113.67           | 01/09/2004           | 15:34:01 | 4.46250            | 564.22          | 110.47           |
| 01/09/2004           | 14:01:01 | 2.91250            | 174.74          | 113.67           | 01/09/2004           | 15:35:01 | 4.47917            | 522.78          | 109.59           |
| 01/09/2004           | 14:02:01 | 2.92917            | 176.46          | 113.66           | 01/09/2004           | 15:36:01 | 4.49583            | 461.76          | 108.91           |
| 01/09/2004           | 14:03:01 | 2.94583            | 178.09          | 113.66           | 01/09/2004           | 15:37:01 | 4.51250            | 405.72          | 108.53           |
| 01/09/2004           | 14:04:01 | 2.96250            | 179.68          | 113.65           | 01/09/2004           | 15:38:01 | 4.52917            | 356.73          | 108.04           |
| 01/09/2004           | 14:05:01 | 2.97917            | 180.36          | 113.64           | 01/09/2004           | 15:39:01 | 4.54583            | 310.92          | 107.88           |
| 01/09/2004           | 14:06:01 | 2.99583            | 181.07          | 113.62           | 01/09/2004           | 15:40:01 | 4.56250            | 266.23          | 107.63           |
| 01/09/2004           | 14:07:01 | 3.01250            | 181.41          | 113.61           | 01/09/2004           | 15:41:01 | 4.57917            | 230.97          | 107.83           |
| 01/09/2004           | 14:08:01 | 3.02917            | 182.07          | 113.61           | 01/09/2004           | 15:42:01 | 4.59583            | 202.10          | 107.48           |
| 01/09/2004           | 14:09:01 | 3.04583            | 182.39          | 113.62           | 01/09/2004           | 15:43:01 | 4.61250            | 174.76          | 107.07           |
| 01/09/2004           | 14:10:01 | 3.06250            | 182.67          | 113.63           | 01/09/2004           | 15:44:01 | 4.62917            | 154.83          | 107.04           |
| 01/09/2004           | 14:11:01 | 3.07917            | 183.24          | 113.63           | 01/09/2004           | 15:45:01 | 4.64583            | 152.08          | 109.23           |
| 01/09/2004           | 14:12:01 | 3.09583            | 183.63          | 113.64           | 01/09/2004           | 15:46:01 | 4.66250            | 154.12          | 111.26           |
| 01/09/2004           | 14:13:01 | 3.11250            | 184.60          | 113.64           | 01/09/2004           | 15:47:01 | 4.67917            | 153.16          | 112.04           |
| 01/09/2004           | 14:14:01 | 3.12917            | 185.85          | 113.63           | 01/09/2004           | 15:48:01 | 4.69583            | 153.27          | 112.56           |
| 01/09/2004           | 14:15:01 | 3.14583            | 187.12          | 113.62           | 01/09/2004           | 15:49:01 | 4.71250            | 154.56          | 112.87           |
| 01/09/2004           | 14:16:01 | 3.16250            | 188.26          | 113.61           | 01/09/2004           | 15:50:01 | 4.72917            | 156.06          | 113.05           |
| 01/09/2004           | 14:17:01 | 3.17917            | 189.26          | 113.60           | 01/09/2004           | 15:51:01 | 4.74583            | 157.52          | 113.17           |
| 01/09/2004           | 14:18:01 | 3.19583            | 190.77          | 113.60           | 01/09/2004           | 15:52:01 | 4.76250            | 159.63          | 113.26           |
| 01/09/2004           | 14:19:01 | 3.21250            | 192.40          | 113.60           | 01/09/2004           | 15:53:01 | 4.77917            | 161.91          | 113.32           |
| 01/09/2004           | 14:20:01 | 3.22917            | 193.52          | 113.59           | 01/09/2004           | 15:54:01 | 4.79583            | 164.22          | 113.36           |
| 01/09/2004           | 14:21:01 | 3.24583            | 194.67          | 113.58           | 01/09/2004           | 15:55:01 | 4.81250            | 166.20          | 113.39           |
| 01/09/2004           | 14:22:01 | 3.26250            | 195.75          | 113.57           | 01/09/2004           | 15:56:01 | 4.82917            | 168.74          | 113.41           |
| 01/09/2004           | 14:23:01 | 3.27917            | 196.85          | 113.56           | 01/09/2004           | 15:57:01 | 4.84583            | 170.58          | 113.44           |
| 01/09/2004           | 14:24:01 | 3.29583            | 198.06          | 113.55           | 01/09/2004           | 15:58:01 | 4.86250            | 172.69          | 113.46           |
| 01/09/2004           | 14:25:01 | 3.31250            | 199.09          | 113.53           | 01/09/2004           | 15:59:01 | 4.87917            | 174.46          | 113.47           |
| Second Gas Injection |          |                    |                 |                  | 01/09/2004           | 16:00:01 | 4.89583            | 175.63          | 113.47           |
| 01/09/2004           | 14:26:01 | 3.32917            | 210.29          | 113.51           | 01/09/2004           | 16:01:01 | 4.91250            | 177.18          | 113.48           |
| 01/09/2004           | 14:27:01 | 3.34583            | 250.34          | 112.89           | 01/09/2004           | 16:02:01 | 4.92917            | 179.02          | 113.48           |
| 01/09/2004           | 14:28:01 | 3.36250            | 313.14          | 111.41           | 01/09/2004           | 16:03:01 | 4.94583            | 180.81          | 113.47           |
| 01/09/2004           | 14:29:01 | 3.37917            | 412.78          | 110.87           | 01/09/2004           | 16:04:01 | 4.96250            | 181.93          | 113.47           |
| 01/09/2004           | 14:30:01 | 3.39583            | 512.85          | 111.52           | 01/09/2004           | 16:05:01 | 4.97917            | 183.19          | 113.46           |
| 01/09/2004           | 14:31:01 | 3.41250            | 563.41          | 111.75           | 01/09/2004           | 16:06:01 | 4.99583            | 183.68          | 113.45           |
| 01/09/2004           | 14:32:01 | 3.42917            | 585.47          | 111.68           | 01/09/2004           | 16:07:01 | 5.01250            | 183.51          | 113.44           |
| 01/09/2004           | 14:33:01 | 3.44583            | 580.47          | 111.18           | 01/09/2004           | 16:08:01 | 5.02917            | 183.97          | 113.43           |
| 01/09/2004           | 14:34:01 | 3.46250            | 558.09          | 110.10           | 01/09/2004           | 16:09:01 | 5.04583            | 184.17          | 113.45           |
| 01/09/2004           | 14:35:01 | 3.47917            | 513.54          | 109.05           | 01/09/2004           | 16:10:01 | 5.06250            | 184.62          | 113.46           |
| 01/09/2004           | 14:36:01 | 3.49583            | 446.87          | 108.37           | 01/09/2004           | 16:11:01 | 5.07917            | 184.53          | 113.48           |
| 01/09/2004           | 14:37:01 | 3.51250            | 387.49          | 107.83           | 01/09/2004           | 16:12:01 | 5.09583            | 185.23          | 113.49           |
| 01/09/2004           | 14:38:01 | 3.52917            | 335.59          | 106.99           | 01/09/2004           | 16:13:01 | 5.11250            | 186.17          | 113.50           |
| 01/09/2004           | 14:39:01 | 3.54583            | 287.15          | 106.74           | 01/09/2004           | 16:14:01 | 5.12917            | 186.96          | 113.49           |
| 01/09/2004           | 14:40:01 | 3.56250            | 252.80          | 106.51           | 01/09/2004           | 16:15:01 | 5.14583            | 188.28          | 113.48           |
| 01/09/2004           | 14:41:01 | 3.57917            | 222.10          | 106.14           | 01/09/2004           | 16:16:01 | 5.16250            | 189.20          | 113.47           |
| 01/09/2004           | 14:42:01 | 3.59583            | 192.79          | 105.96           | 01/09/2004           | 16:17:01 | 5.17917            | 190.70          | 113.46           |
| 01/09/2004           | 14:43:01 | 3.61250            | 167.19          | 105.98           | 01/09/2004           | 16:18:01 | 5.19583            | 192.13          | 113.46           |
| 01/09/2004           | 14:44:01 | 3.62917            | 148.85          | 106.25           | 01/09/2004           | 16:19:01 | 5.21250            | 193.33          | 113.45           |
| 01/09/2004           | 14:45:01 | 3.64583            | 135.84          | 107.36           | 01/09/2004           | 16:20:01 | 5.22917            | 194.77          | 113.44           |
| 01/09/2004           | 14:46:01 | 3.66250            | 132.59          | 109.60           | 01/09/2004           | 16:21:01 | 5.24583            | 196.19          | 113.42           |
| 01/09/2004           | 14:47:01 | 3.67917            | 134.10          | 111.00           | 01/09/2004           | 16:22:01 | 5.26250            | 197.42          | 113.41           |
| 01/09/2004           | 14:48:01 | 3.69583            | 135.96          | 111.86           | 01/09/2004           | 16:23:01 | 5.27917            | 198.62          | 113.40           |
| 01/09/2004           | 14:49:01 | 3.71250            | 136.73          | 112.29           | 01/09/2004           | 16:24:01 | 5.29583            | 199.80          | 113.38           |
| 01/09/2004           | 14:50:01 | 3.72917            | 138.53          | 112.56           | 01/09/2004           | 16:25:01 | 5.31250            | 200.88          | 113.37           |
| 01/09/2004           | 14:51:01 | 3.74583            | 140.76          | 112.75           | Fourth gas Injection |          |                    |                 |                  |
| 01/09/2004           | 14:52:01 | 3.76250            | 143.68          | 112.89           | 01/09/2004           | 16:26:01 | 5.32917            | 214.34          | 113.34           |
| 01/09/2004           | 14:53:01 | 3.77917            | 147.05          | 112.99           | 01/09/2004           | 16:27:01 | 5.34583            | 263.54          | 113.09           |
| 01/09/2004           | 14:54:01 | 3.79583            | 149.90          | 113.05           | 01/09/2004           | 16:28:01 | 5.36250            | 330.21          | 112.58           |
| 01/09/2004           | 14:55:01 | 3.81250            | 152.59          | 113.10           | 01/09/2004           | 16:29:01 | 5.37917            | 438.00          | 111.94           |
| 01/09/2004           | 14:56:01 | 3.82917            | 154.98          | 113.13           | 01/09/2004           | 16:30:01 | 5.39583            | 543.96          | 111.55           |
| 01/09/2004           | 14:57:01 | 3.84583            | 157.16          | 113.18           | 01/09/2004           | 16:31:01 | 5.41250            | 584.20          | 111.39           |
| 01/09/2004           | 14:58:01 | 3.86250            | 160.00          | 113.21           | 01/09/2004           | 16:32:01 | 5.42917            | 602.28          | 111.51           |
| 01/09/2004           | 14:59:01 | 3.87917            | 162.59          | 113.24           | 01/09/2004           | 16:33:01 | 5.44583            | 594.90          | 111.45           |
| 01/09/2004           | 15:00:01 | 3.89583            | 164.38          | 113.26           | 01/09/2004           | 16:34:01 | 5.46250            | 575.63          | 110.43           |
| 01/09/2004           | 15:01:01 | 3.91250            | 166.76          | 113.28           | 01/09/2004           | 16:35:01 | 5.47917            | 541.39          | 109.63           |
| 01/09/2004           | 15:02:01 | 3.92917            | 169.05          | 113.28           | 01/09/2004           | 16:36:01 | 5.49583            | 483.70          | 109.35           |
| 01/09/2004           | 15:03:01 | 3.94583            | 171.07          | 113.28           | 01/09/2004           | 16:37:01 | 5.51250            | 419.08          | 109.06           |
| 01/09/2004           | 15:04:01 | 3.96250            | 172.31          | 113.28           | 01/09/2004           | 16:38:01 | 5.52917            | 364.80          | 108.87           |
| 01/09/2004           | 15:      |                    |                 |                  |                      |          |                    |                 |                  |

| Date                              | Time     | Elapsed Time (hrs) | Pressure (psia) | Temperature (°F) | Date       | Time     | Elapsed Time (hrs) | Pressure (psia) | Temperature (°F) |
|-----------------------------------|----------|--------------------|-----------------|------------------|------------|----------|--------------------|-----------------|------------------|
| 01/09/2004                        | 16:40:01 | 5.56250            | 267.07          | 108.74           | 01/09/2004 | 18:14:01 | 7.12917            | 189.36          | 113.55           |
| 01/09/2004                        | 16:41:01 | 5.57917            | 232.28          | 108.65           | 01/09/2004 | 18:15:01 | 7.14583            | 190.79          | 113.55           |
| 01/09/2004                        | 16:42:01 | 5.59583            | 202.48          | 108.19           | 01/09/2004 | 18:16:01 | 7.16250            | 191.86          | 113.55           |
| 01/09/2004                        | 16:43:01 | 5.61250            | 175.44          | 107.76           | 01/09/2004 | 18:17:01 | 7.17917            | 192.95          | 113.55           |
| 01/09/2004                        | 16:44:01 | 5.62917            | 154.88          | 107.59           | 01/09/2004 | 18:18:01 | 7.19583            | 194.28          | 113.55           |
| 01/09/2004                        | 16:45:01 | 5.64583            | 148.47          | 109.25           | 01/09/2004 | 18:19:01 | 7.21250            | 195.34          | 113.54           |
| 01/09/2004                        | 16:46:01 | 5.66250            | 150.94          | 111.25           | 01/09/2004 | 18:20:01 | 7.22917            | 196.25          | 113.53           |
| 01/09/2004                        | 16:47:01 | 5.67917            | 150.38          | 112.00           | 01/09/2004 | 18:21:01 | 7.24583            | 197.23          | 113.52           |
| 01/09/2004                        | 16:48:01 | 5.69583            | 150.57          | 112.59           | 01/09/2004 | 18:22:01 | 7.26250            | 198.19          | 113.51           |
| 01/09/2004                        | 16:49:01 | 5.71250            | 152.10          | 112.90           | 01/09/2004 | 18:23:01 | 7.27917            | 199.29          | 113.50           |
| 01/09/2004                        | 16:50:01 | 5.72917            | 153.66          | 113.09           | 01/09/2004 | 18:24:01 | 7.29583            | 200.22          | 113.48           |
| 01/09/2004                        | 16:51:01 | 5.74583            | 155.24          | 113.21           | 01/09/2004 | 18:25:01 | 7.31250            | 201.04          | 113.47           |
| 01/09/2004                        | 16:52:01 | 5.76250            | 157.05          | 113.30           | 01/09/2004 | 18:26:01 | 7.32917            | 201.88          | 113.45           |
| 01/09/2004                        | 16:53:01 | 5.77917            | 159.91          | 113.37           | 01/09/2004 | 18:27:01 | 7.34583            | 201.73          | 113.43           |
| 01/09/2004                        | 16:54:01 | 5.79583            | 162.62          | 113.41           | 01/09/2004 | 18:28:01 | 7.36250            | 201.79          | 113.40           |
| 01/09/2004                        | 16:55:01 | 5.81250            | 164.77          | 113.44           | 01/09/2004 | 18:29:01 | 7.37917            | 202.09          | 113.38           |
| 01/09/2004                        | 16:56:01 | 5.82917            | 167.30          | 113.46           | 01/09/2004 | 18:30:01 | 7.39583            | 201.58          | 113.36           |
| 01/09/2004                        | 16:57:01 | 5.84583            | 169.52          | 113.49           | 01/09/2004 | 18:31:01 | 7.41250            | 201.16          | 113.33           |
| 01/09/2004                        | 16:58:01 | 5.86250            | 171.54          | 113.51           | 01/09/2004 | 18:32:01 | 7.42917            | 199.93          | 113.31           |
| 01/09/2004                        | 16:59:01 | 5.87917            | 173.48          | 113.52           | 01/09/2004 | 18:33:01 | 7.44583            | 198.99          | 113.28           |
| 01/09/2004                        | 17:00:01 | 5.89583            | 174.81          | 113.52           | 01/09/2004 | 18:34:01 | 7.46250            | 197.98          | 113.26           |
| 01/09/2004                        | 17:01:01 | 5.91250            | 176.77          | 113.52           | 01/09/2004 | 18:35:01 | 7.47917            | 197.26          | 113.23           |
| 01/09/2004                        | 17:02:01 | 5.92917            | 179.13          | 113.52           | 01/09/2004 | 18:36:01 | 7.49583            | 196.43          | 113.22           |
| 01/09/2004                        | 17:03:01 | 5.94583            | 180.72          | 113.51           | 01/09/2004 | 18:37:01 | 7.51250            | 196.47          | 113.21           |
| 01/09/2004                        | 17:04:01 | 5.96250            | 181.94          | 113.51           | 01/09/2004 | 18:38:01 | 7.52917            | 196.95          | 113.23           |
| 01/09/2004                        | 17:05:01 | 5.97917            | 183.15          | 113.50           | 01/09/2004 | 18:39:01 | 7.54583            | 196.66          | 113.25           |
| 01/09/2004                        | 17:06:01 | 5.99583            | 184.65          | 113.49           | 01/09/2004 | 18:40:01 | 7.56250            | 196.95          | 113.28           |
| 01/09/2004                        | 17:07:01 | 6.01250            | 184.91          | 113.47           | 01/09/2004 | 18:41:01 | 7.57917            | 196.85          | 113.31           |
| 01/09/2004                        | 17:08:01 | 6.02917            | 185.09          | 113.45           | 01/09/2004 | 18:42:01 | 7.59583            | 197.32          | 113.35           |
| 01/09/2004                        | 17:09:01 | 6.04583            | 185.22          | 113.42           | 01/09/2004 | 18:43:01 | 7.61250            | 198.32          | 113.38           |
| 01/09/2004                        | 17:10:01 | 6.06250            | 185.48          | 113.41           | 01/09/2004 | 18:44:01 | 7.62917            | 199.07          | 113.40           |
| 01/09/2004                        | 17:11:01 | 6.07917            | 185.79          | 113.43           | 01/09/2004 | 18:45:01 | 7.64583            | 199.19          | 113.41           |
| 01/09/2004                        | 17:12:01 | 6.09583            | 185.93          | 113.44           | 01/09/2004 | 18:46:01 | 7.66250            | 198.97          | 113.42           |
| 01/09/2004                        | 17:13:01 | 6.11250            | 186.96          | 113.46           | 01/09/2004 | 18:47:01 | 7.67917            | 198.91          | 113.43           |
| 01/09/2004                        | 17:14:01 | 6.12917            | 188.32          | 113.47           | 01/09/2004 | 18:48:01 | 7.69583            | 199.24          | 113.44           |
| 01/09/2004                        | 17:15:01 | 6.14583            | 189.55          | 113.48           | 01/09/2004 | 18:49:01 | 7.71250            | 199.55          | 113.45           |
| 01/09/2004                        | 17:16:01 | 6.16250            | 191.08          | 113.48           | 01/09/2004 | 18:50:01 | 7.72917            | 200.50          | 113.46           |
| 01/09/2004                        | 17:17:01 | 6.17917            | 192.37          | 113.48           | 01/09/2004 | 18:51:01 | 7.74583            | 201.53          | 113.46           |
| 01/09/2004                        | 17:18:01 | 6.19583            | 193.24          | 113.47           | 01/09/2004 | 18:52:01 | 7.76250            | 202.42          | 113.47           |
| 01/09/2004                        | 17:19:01 | 6.21250            | 194.37          | 113.46           | 01/09/2004 | 18:53:01 | 7.77917            | 203.00          | 113.46           |
| 01/09/2004                        | 17:20:01 | 6.22917            | 195.53          | 113.45           | 01/09/2004 | 18:54:01 | 7.79583            | 203.74          | 113.45           |
| 01/09/2004                        | 17:21:01 | 6.24583            | 196.55          | 113.44           | 01/09/2004 | 18:55:01 | 7.81250            | 204.83          | 113.45           |
| 01/09/2004                        | 17:22:01 | 6.26250            | 197.66          | 113.43           | 01/09/2004 | 18:56:01 | 7.82917            | 205.73          | 113.44           |
| 01/09/2004                        | 17:23:01 | 6.27917            | 198.83          | 113.42           | 01/09/2004 | 18:57:01 | 7.84583            | 206.48          | 113.44           |
| 01/09/2004                        | 17:24:01 | 6.29583            | 199.73          | 113.40           | 01/09/2004 | 18:58:01 | 7.86250            | 207.12          | 113.42           |
| 01/09/2004                        | 17:25:01 | 6.31250            | 199.93          | 113.38           | 01/09/2004 | 18:59:01 | 7.87917            | 207.97          | 113.41           |
| Fifth Gas Injection               |          |                    |                 |                  | 01/09/2004 | 19:00:01 | 7.89583            | 208.76          | 113.40           |
| 01/09/2004                        | 17:26:01 | 6.32917            | 213.48          | 113.35           | 01/09/2004 | 19:01:01 | 7.91250            | 209.38          | 113.38           |
| 01/09/2004                        | 17:27:01 | 6.34583            | 264.18          | 113.13           | 01/09/2004 | 19:02:01 | 7.92917            | 210.21          | 113.37           |
| 01/09/2004                        | 17:28:01 | 6.36250            | 333.29          | 112.74           | 01/09/2004 | 19:03:01 | 7.94583            | 210.83          | 113.35           |
| 01/09/2004                        | 17:29:01 | 6.37917            | 444.83          | 112.24           | 01/09/2004 | 19:04:01 | 7.96250            | 211.44          | 113.34           |
| 01/09/2004                        | 17:30:01 | 6.39583            | 547.45          | 111.69           | 01/09/2004 | 19:05:01 | 7.97917            | 211.95          | 113.33           |
| 01/09/2004                        | 17:31:01 | 6.41250            | 590.85          | 111.55           | 01/09/2004 | 19:06:01 | 7.99583            | 211.83          | 113.32           |
| 01/09/2004                        | 17:32:01 | 6.42917            | 608.61          | 111.31           | 01/09/2004 | 19:07:01 | 8.01250            | 211.09          | 113.30           |
| 01/09/2004                        | 17:33:01 | 6.44583            | 600.02          | 111.04           | 01/09/2004 | 19:08:01 | 8.02917            | 210.27          | 113.27           |
| 01/09/2004                        | 17:34:01 | 6.46250            | 579.72          | 110.78           | 01/09/2004 | 19:09:01 | 8.04583            | 209.09          | 113.25           |
| 01/09/2004                        | 17:35:01 | 6.47917            | 542.26          | 110.70           | 01/09/2004 | 19:10:01 | 8.06250            | 207.83          | 113.22           |
| 01/09/2004                        | 17:36:01 | 6.49583            | 482.59          | 110.63           | 01/09/2004 | 19:11:01 | 8.07917            | 206.48          | 113.20           |
| 01/09/2004                        | 17:37:01 | 6.51250            | 420.18          | 110.54           | 01/09/2004 | 19:12:01 | 8.09583            | 205.06          | 113.17           |
| 01/09/2004                        | 17:38:01 | 6.52917            | 367.17          | 110.47           | 01/09/2004 | 19:13:01 | 8.11250            | 204.45          | 113.16           |
| 01/09/2004                        | 17:39:01 | 6.54583            | 317.39          | 110.43           | 01/09/2004 | 19:14:01 | 8.12917            | 204.79          | 113.15           |
| 01/09/2004                        | 17:40:01 | 6.56250            | 269.09          | 110.41           | 01/09/2004 | 19:15:01 | 8.14583            | 204.94          | 113.14           |
| 01/09/2004                        | 17:41:01 | 6.57917            | 234.19          | 110.40           | 01/09/2004 | 19:16:01 | 8.16250            | 205.72          | 113.14           |
| 01/09/2004                        | 17:42:01 | 6.59583            | 204.61          | 109.98           | 01/09/2004 | 19:17:01 | 8.17917            | 206.11          | 113.13           |
| 01/09/2004                        | 17:43:01 | 6.61250            | 176.85          | 109.39           | 01/09/2004 | 19:18:01 | 8.19583            | 207.11          | 113.13           |
| 01/09/2004                        | 17:44:01 | 6.62917            | 156.67          | 109.12           | 01/09/2004 | 19:19:01 | 8.21250            | 207.64          | 113.13           |
| Shut in gas injection for 10 hrs. |          |                    |                 |                  | 01/09/2004 | 19:20:01 | 8.22917            | 208.40          | 113.13           |
| 01/09/2004                        | 17:45:01 | 6.64583            | 152.72          | 110.48           | 01/09/2004 | 19:21:01 | 8.24583            | 209.52          | 113.12           |
| 01/09/2004                        | 17:46:01 | 6.66250            | 155.52          | 111.93           | 01/09/2004 | 19:22:01 | 8.26250            | 210.55          | 113.13           |
| 01/09/2004                        | 17:47:01 | 6.67917            | 154.60          | 112.48           | 01/09/2004 | 19:23:01 | 8.27917            | 211.55          | 113.13           |
| 01/09/2004                        | 17:48:01 | 6.69583            | 154.73          | 112.91           | 01/09/2004 | 19:24:01 | 8.29583            | 212.33          | 113.13           |
| 01/09/2004                        | 17:49:01 | 6.71250            | 155.91          | 113.16           | 01/09/2004 | 19:25:01 | 8.31250            | 212.77          | 113.13           |
| 01/09/2004                        | 17:50:01 | 6.72917            | 157.12          | 113.29           | 01/09/2004 | 19:26:01 | 8.32917            | 213.56          | 113.13           |
| 01/09/2004                        | 17:51:01 | 6.74583            | 158.71          | 113.38           | 01/09/2004 | 19:27:01 | 8.34583            | 213.38          | 113.13           |
| 01/09/2004                        | 17:52:01 | 6.76250            | 160.62          | 113.44           | 01/09/2004 | 19:28:01 | 8.36250            | 213.54          | 113.13           |
| 01/09/2004                        | 17:53:01 | 6.77917            | 163.27          | 113.49           | 01/09/2004 | 19:29:01 | 8.37917            | 213.84          | 113.12           |
| 01/09/2004                        | 17:54:01 | 6.79583            | 165.77          | 113.52           | 01/09/2004 | 19:30:01 | 8.39583            | 212.98          | 113.12           |
| 01/09/2004                        | 17:55:01 | 6.81250            | 168.11          | 113.54           | 01/09/2004 | 19:31:01 | 8.41250            | 212.24          | 113.11           |
| 01/09/2004                        | 17:56:01 | 6.82917            | 170.13          | 113.55           | 01/09/2004 | 19:32:01 | 8.42917            | 211.45          | 113.10           |
| 01/09/2004                        | 17:57:01 | 6.84583            | 172.27          | 113.57           | 01/09/2004 | 19:33:01 | 8.44583            | 210.11          | 113.09           |
| 01/09/2004                        | 17:58:01 | 6.86250            | 174.52          | 113.58           | 01/09/2004 | 19:34:01 | 8.46250            | 208.98          | 113.08           |
| 01/09/2004                        | 17:59:01 | 6.87917            | 176.25          | 113.59           | 01/09/2004 | 19:35:01 | 8.47917            | 208.13          | 113.07           |
| 01/09/2004                        | 18:00:01 | 6.89583            | 177.60          | 113.58           | 01/09/2004 | 19:36:01 | 8.49583            | 206.93          | 113.06           |
| 01/09/2004                        | 18:01:01 | 6.91250            | 179.19          | 113.58           | 01/09/2004 | 19:37:01 | 8.51250            | 207.29          | 113.06           |
| 01/09/2004                        | 18:02:01 | 6.92917            | 181.19          | 113.57           | 01/09/2004 | 19:38:01 | 8.52917            | 207.14          | 113.07           |
| 01/09/2004                        | 18:03:01 | 6.94583            | 183.13          | 113.57           | 01/09/2004 | 19:39:01 | 8.54583            | 206.38          | 113.09           |
| 01/09/2004                        | 18:04:01 | 6.96250            | 184.17          | 113.57           | 01/09/2004 | 19:40:01 | 8.56250            | 206.58          | 113.12           |
| 01/09/2004                        | 18:05:01 | 6.97917            | 186.07          | 113.57           | 01/09/2004 | 19:41:01 | 8.57917            | 206.11          | 113.15           |
| 01/09/2004                        | 18:06:01 | 6.99583            | 186.25          | 113.56           | 01/09/2004 | 19:42:01 | 8.59583            | 206.50          | 113.20           |
| 01/09/2004                        | 18:07:01 | 7.01250            | 186.06          | 113.54           | 01/09/2004 | 19:43:01 | 8.61250            | 207.41          | 113.24           |
| 01/09/2004                        | 18:08:01 | 7.02917            | 186.39          | 113.52           | 01/09/2004 | 19:44:01 | 8.62917            | 207.57          | 113.27           |
| 01/09/2004                        | 18:09:01 | 7.04583            | 186.47          | 113.51           | 01/09/2004 | 19:45:01 | 8.64583            | 207.63          | 113.29           |
| 01/09/2004                        | 18:10:01 | 7.06250            | 186.36          | 113.52           | 01/09/2004 | 19:46:01 | 8.66250            | 207.54          | 113.31           |
| 01/09/2004                        | 18:11:01 | 7.07917            | 186.73          | 113.52           | 01/09/2004 | 19:47:01 | 8.67917            | 207.49          | 113.33           |
| 01/09/2004                        | 18:12:01 | 7.09583            | 187.10          | 113.53           | 01/09/2004 | 19:48:01 | 8.69583            | 207.38          | 113.35           |
|                                   |          |                    |                 |                  |            |          |                    |                 |                  |

| Date       | Time     | Elapsed Time (hrs) | Pressure (psia) | Temperature (°F) |
|------------|----------|--------------------|-----------------|------------------|
| 01/09/2004 | 19:50:01 | 8.72917            | 208.81          | 113.39           |
| 01/09/2004 | 19:51:01 | 8.74583            | 209.49          | 113.40           |
| 01/09/2004 | 19:52:01 | 8.76250            | 210.15          | 113.41           |
| 01/09/2004 | 19:53:01 | 8.77917            | 210.86          | 113.41           |
| 01/09/2004 | 19:54:01 | 8.79583            | 211.74          | 113.41           |
| 01/09/2004 | 19:55:01 | 8.81250            | 212.34          | 113.40           |
| 01/09/2004 | 19:56:01 | 8.82917            | 213.12          | 113.40           |
| 01/09/2004 | 19:57:01 | 8.84583            | 213.91          | 113.39           |
| 01/09/2004 | 19:58:01 | 8.86250            | 214.35          | 113.38           |
| 01/09/2004 | 19:59:01 | 8.87917            | 215.25          | 113.37           |
| 01/09/2004 | 20:00:01 | 8.89583            | 215.66          | 113.36           |
| 01/09/2004 | 20:01:01 | 8.91250            | 216.39          | 113.35           |
| 01/09/2004 | 20:02:01 | 8.92917            | 217.10          | 113.34           |
| 01/09/2004 | 20:03:01 | 8.94583            | 217.68          | 113.33           |
| 01/09/2004 | 20:04:01 | 8.96250            | 218.24          | 113.32           |
| 01/09/2004 | 20:05:01 | 8.97917            | 218.74          | 113.32           |
| 01/09/2004 | 20:06:01 | 8.99583            | 219.03          | 113.31           |
| 01/09/2004 | 20:07:01 | 9.01250            | 218.31          | 113.30           |
| 01/09/2004 | 20:08:01 | 9.02917            | 217.32          | 113.28           |
| 01/09/2004 | 20:09:01 | 9.04583            | 216.18          | 113.26           |
| 01/09/2004 | 20:10:01 | 9.06250            | 214.74          | 113.24           |
| 01/09/2004 | 20:11:01 | 9.07917            | 213.43          | 113.22           |
| 01/09/2004 | 20:12:01 | 9.09583            | 212.28          | 113.20           |
| 01/09/2004 | 20:13:01 | 9.11250            | 211.93          | 113.18           |
| 01/09/2004 | 20:14:01 | 9.12917            | 212.30          | 113.18           |
| 01/09/2004 | 20:15:01 | 9.14583            | 212.31          | 113.18           |
| 01/09/2004 | 20:16:01 | 9.16250            | 212.81          | 113.17           |
| 01/09/2004 | 20:17:01 | 9.17917            | 213.14          | 113.17           |
| 01/09/2004 | 20:18:01 | 9.19583            | 213.95          | 113.17           |
| 01/09/2004 | 20:19:01 | 9.21250            | 214.42          | 113.17           |
| 01/09/2004 | 20:20:01 | 9.22917            | 215.37          | 113.17           |
| 01/09/2004 | 20:21:01 | 9.24583            | 216.49          | 113.17           |
| 01/09/2004 | 20:22:01 | 9.26250            | 217.01          | 113.18           |
| 01/09/2004 | 20:23:01 | 9.27917            | 217.80          | 113.18           |
| 01/09/2004 | 20:24:01 | 9.29583            | 218.43          | 113.18           |
| 01/09/2004 | 20:25:01 | 9.31250            | 219.10          | 113.18           |
| 01/09/2004 | 20:26:01 | 9.32917            | 219.48          | 113.18           |
| 01/09/2004 | 20:27:01 | 9.34583            | 219.19          | 113.18           |
| 01/09/2004 | 20:28:01 | 9.36250            | 219.41          | 113.18           |
| 01/09/2004 | 20:29:01 | 9.37917            | 219.22          | 113.18           |
| 01/09/2004 | 20:30:01 | 9.39583            | 218.47          | 113.17           |
| 01/09/2004 | 20:31:01 | 9.41250            | 218.84          | 113.17           |
| 01/09/2004 | 20:32:01 | 9.42917            | 219.50          | 113.17           |
| 01/09/2004 | 20:33:01 | 9.44583            | 220.22          | 113.17           |
| 01/09/2004 | 20:34:01 | 9.46250            | 220.91          | 113.17           |
| 01/09/2004 | 20:35:01 | 9.47917            | 221.56          | 113.18           |
| 01/09/2004 | 20:36:01 | 9.49583            | 222.26          | 113.18           |
| 01/09/2004 | 20:37:01 | 9.51250            | 222.85          | 113.18           |
| 01/09/2004 | 20:38:01 | 9.52917            | 223.51          | 113.19           |
| 01/09/2004 | 20:39:01 | 9.54583            | 223.99          | 113.19           |
| 01/09/2004 | 20:40:01 | 9.56250            | 224.81          | 113.19           |
| 01/09/2004 | 20:41:01 | 9.57917            | 225.36          | 113.19           |
| 01/09/2004 | 20:42:01 | 9.59583            | 226.04          | 113.20           |
| 01/09/2004 | 20:43:01 | 9.61250            | 226.54          | 113.20           |
| 01/09/2004 | 20:44:01 | 9.62917            | 227.14          | 113.20           |
| 01/09/2004 | 20:45:01 | 9.64583            | 227.73          | 113.21           |
| 01/09/2004 | 20:46:01 | 9.66250            | 228.24          | 113.21           |
| 01/09/2004 | 20:47:01 | 9.67917            | 228.81          | 113.21           |
| 01/09/2004 | 20:48:01 | 9.69583            | 229.32          | 113.21           |
| 01/09/2004 | 20:49:01 | 9.71250            | 229.77          | 113.21           |
| 01/09/2004 | 20:50:01 | 9.72917            | 230.36          | 113.21           |
| 01/09/2004 | 20:51:01 | 9.74583            | 230.94          | 113.22           |
| 01/09/2004 | 20:52:01 | 9.76250            | 231.48          | 113.22           |
| 01/09/2004 | 20:53:01 | 9.77917            | 231.99          | 113.22           |
| 01/09/2004 | 20:54:01 | 9.79583            | 232.48          | 113.22           |
| 01/09/2004 | 20:55:01 | 9.81250            | 233.03          | 113.22           |
| 01/09/2004 | 20:56:01 | 9.82917            | 233.51          | 113.23           |
| 01/09/2004 | 20:57:01 | 9.84583            | 234.03          | 113.23           |
| 01/09/2004 | 20:58:01 | 9.86250            | 234.57          | 113.23           |
| 01/09/2004 | 20:59:01 | 9.87917            | 235.06          | 113.23           |
| 01/09/2004 | 21:00:01 | 9.89583            | 235.63          | 113.23           |
| 01/09/2004 | 21:01:01 | 9.91250            | 236.11          | 113.23           |
| 01/09/2004 | 21:02:01 | 9.92917            | 236.57          | 113.24           |
| 01/09/2004 | 21:03:01 | 9.94583            | 237.06          | 113.24           |
| 01/09/2004 | 21:04:01 | 9.96250            | 237.54          | 113.24           |
| 01/09/2004 | 21:05:01 | 9.97917            | 238.02          | 113.24           |
| 01/09/2004 | 21:06:01 | 9.99583            | 238.52          | 113.24           |
| 01/09/2004 | 21:07:01 | 10.01250           | 239.00          | 113.24           |
| 01/09/2004 | 21:08:01 | 10.02917           | 239.46          | 113.24           |
| 01/09/2004 | 21:09:01 | 10.04583           | 240.00          | 113.24           |
| 01/09/2004 | 21:10:01 | 10.06250           | 240.46          | 113.25           |
| 01/09/2004 | 21:11:01 | 10.07917           | 240.86          | 113.25           |
| 01/09/2004 | 21:12:01 | 10.09583           | 241.35          | 113.25           |
| 01/09/2004 | 21:13:01 | 10.11250           | 241.82          | 113.25           |
| 01/09/2004 | 21:14:01 | 10.12917           | 242.32          | 113.25           |
| 01/09/2004 | 21:15:01 | 10.14583           | 242.78          | 113.25           |
| 01/09/2004 | 21:16:01 | 10.16250           | 243.25          | 113.25           |
| 01/09/2004 | 21:17:01 | 10.17917           | 243.74          | 113.25           |
| 01/09/2004 | 21:18:01 | 10.19583           | 244.14          | 113.26           |
| 01/09/2004 | 21:19:01 | 10.21250           | 244.60          | 113.26           |
| 01/09/2004 | 21:20:01 | 10.22917           | 244.99          | 113.26           |
| 01/09/2004 | 21:21:01 | 10.24583           | 245.45          | 113.26           |
| 01/09/2004 | 21:22:01 | 10.26250           | 245.87          | 113.26           |
| 01/09/2004 | 21:23:01 | 10.27917           | 246.32          | 113.26           |
| 01/09/2004 | 21:24:01 | 10.29583           | 246.88          | 113.27           |
| 01/09/2004 | 21:25:01 | 10.31250           | 247.32          | 113.27           |

| Date       | Time     | Elapsed Time (hrs) | Pressure (psia) | Temperature (°F) |
|------------|----------|--------------------|-----------------|------------------|
| 01/09/2004 | 21:26:01 | 10.32917           | 247.85          | 113.27           |
| 01/09/2004 | 21:27:01 | 10.34583           | 248.31          | 113.27           |
| 01/09/2004 | 21:28:01 | 10.36250           | 248.75          | 113.27           |
| 01/09/2004 | 21:29:01 | 10.37917           | 249.28          | 113.27           |
| 01/09/2004 | 21:30:01 | 10.39583           | 249.98          | 113.27           |
| 01/09/2004 | 21:31:01 | 10.41250           | 250.48          | 113.28           |
| 01/09/2004 | 21:32:01 | 10.42917           | 251.05          | 113.28           |
| 01/09/2004 | 21:33:01 | 10.44583           | 251.56          | 113.28           |
| 01/09/2004 | 21:34:01 | 10.46250           | 252.13          | 113.28           |
| 01/09/2004 | 21:35:01 | 10.47917           | 252.78          | 113.29           |
| 01/09/2004 | 21:36:01 | 10.49583           | 253.44          | 113.29           |
| 01/09/2004 | 21:37:01 | 10.51250           | 254.10          | 113.29           |
| 01/09/2004 | 21:38:01 | 10.52917           | 254.82          | 113.30           |
| 01/09/2004 | 21:39:01 | 10.54583           | 255.54          | 113.30           |
| 01/09/2004 | 21:40:01 | 10.56250           | 256.31          | 113.30           |
| 01/09/2004 | 21:41:01 | 10.57917           | 257.13          | 113.31           |
| 01/09/2004 | 21:42:01 | 10.59583           | 257.99          | 113.31           |
| 01/09/2004 | 21:43:01 | 10.61250           | 258.86          | 113.31           |
| 01/09/2004 | 21:44:01 | 10.62917           | 259.71          | 113.32           |
| 01/09/2004 | 21:45:01 | 10.64583           | 260.50          | 113.32           |
| 01/09/2004 | 21:46:01 | 10.66250           | 261.38          | 113.33           |
| 01/09/2004 | 21:47:01 | 10.67917           | 262.27          | 113.33           |
| 01/09/2004 | 21:48:01 | 10.69583           | 263.07          | 113.34           |
| 01/09/2004 | 21:49:01 | 10.71250           | 263.87          | 113.34           |
| 01/09/2004 | 21:50:01 | 10.72917           | 264.59          | 113.35           |
| 01/09/2004 | 21:51:01 | 10.74583           | 265.41          | 113.35           |
| 01/09/2004 | 21:52:01 | 10.76250           | 266.09          | 113.36           |
| 01/09/2004 | 21:53:01 | 10.77917           | 266.53          | 113.36           |
| 01/09/2004 | 21:54:01 | 10.79583           | 267.16          | 113.36           |
| 01/09/2004 | 21:55:01 | 10.81250           | 267.81          | 113.36           |
| 01/09/2004 | 21:56:01 | 10.82917           | 268.25          | 113.35           |
| 01/09/2004 | 21:57:01 | 10.84583           | 268.62          | 113.34           |
| 01/09/2004 | 21:58:01 | 10.86250           | 268.97          | 113.32           |
| 01/09/2004 | 21:59:01 | 10.87917           | 269.39          | 113.30           |
| 01/09/2004 | 22:00:01 | 10.89583           | 269.74          | 113.27           |
| 01/09/2004 | 22:01:01 | 10.91250           | 270.02          | 113.23           |
| 01/09/2004 | 22:02:01 | 10.92917           | 270.29          | 113.18           |
| 01/09/2004 | 22:03:01 | 10.94583           | 270.56          | 113.15           |
| 01/09/2004 | 22:04:01 | 10.96250           | 270.72          | 113.12           |
| 01/09/2004 | 22:05:01 | 10.97917           | 270.97          | 113.09           |
| 01/09/2004 | 22:06:01 | 10.99583           | 271.26          | 113.05           |
| 01/09/2004 | 22:07:01 | 11.01250           | 271.21          | 113.00           |
| 01/09/2004 | 22:08:01 | 11.02917           | 271.46          | 112.96           |
| 01/09/2004 | 22:09:01 | 11.04583           | 271.45          | 112.91           |
| 01/09/2004 | 22:10:01 | 11.06250           | 271.52          | 112.87           |
| 01/09/2004 | 22:11:01 | 11.07917           | 271.61          | 112.84           |
| 01/09/2004 | 22:12:01 | 11.09583           | 271.68          | 112.80           |
| 01/09/2004 | 22:13:01 | 11.11250           | 271.93          | 112.77           |
| 01/09/2004 | 22:14:01 | 11.12917           | 272.16          | 112.73           |
| 01/09/2004 | 22:15:01 | 11.14583           | 272.61          | 112.70           |
| 01/09/2004 | 22:16:01 | 11.16250           | 272.78          | 112.66           |
| 01/09/2004 | 22:17:01 | 11.17917           | 272.91          | 112.62           |
| 01/09/2004 | 22:18:01 | 11.19583           | 272.92          | 112.58           |
| 01/09/2004 | 22:19:01 | 11.21250           | 272.82          | 112.55           |
| 01/09/2004 | 22:20:01 | 11.22917           | 272.67          | 112.51           |
| 01/09/2004 | 22:21:01 | 11.24583           | 272.48          | 112.48           |
| 01/09/2004 | 22:22:01 | 11.26250           | 272.38          | 112.46           |
| 01/09/2004 | 22:23:01 | 11.27917           | 272.36          | 112.44           |
| 01/09/2004 | 22:24:01 | 11.29583           | 272.40          | 112.42           |
| 01/09/2004 | 22:25:01 | 11.31250           | 272.37          | 112.41           |
| 01/09/2004 | 22:26:01 | 11.32917           | 272.53          | 112.40           |
| 01/09/2004 | 22:27:01 | 11.34583           | 272.56          | 112.39           |
| 01/09/2004 | 22:28:01 | 11.36250           | 272.58          | 112.38           |
| 01/09/2004 | 22:29:01 | 11.37917           | 272.48          | 112.37           |
| 01/09/2004 | 22:30:01 | 11.39583           | 272.32          | 112.36           |
| 01/09/2004 | 22:31:01 | 11.41250           | 272.24          | 112.36           |
| 01/09/2004 | 22:32:01 | 11.42917           | 272.17          | 112.36           |
| 01/09/2004 | 22:33:01 | 11.44583           | 272.23          | 112.36           |
| 01/09/2004 | 22:34:01 | 11.46250           | 272.29          | 112.36           |
| 01/09/2004 | 22:35:01 | 11.47917           | 272.32          | 112.37           |
| 01/09/2004 | 22:36:01 | 11.49583           | 272.31          | 112.37           |
| 01/09/2004 | 22:37:01 | 11.51250           | 272.33          | 112.37           |
| 01/09/2004 | 22:38:01 | 11.52917           | 272.41          | 112.38           |
| 01/09/2004 | 22:39:01 | 11.54583           | 272.42          | 112.38           |
| 01/09/2004 | 22:40:01 | 11.56250           | 272.44          | 112.39           |
| 01/09/2004 | 22:41:01 | 11.57917           | 272.47          | 112.40           |
| 01/09/2004 | 22:42:01 | 11.59583           | 272.52          | 112.41           |
| 01/09/2004 | 22:43:01 | 11.61250           | 272.57          | 112.41           |
| 01/09/2004 | 22:44:01 | 11.62917           | 272.58          | 112.42           |
| 01/09/2004 | 22:45:01 | 11.64583           | 272.59          | 112.43           |
| 01/09/2004 | 22:46:01 | 11.66250           | 272.66          | 112.44           |
| 01/09/2004 | 22:47:01 | 11.67917           | 272.67          | 112.45           |
| 01/09/2004 | 22:48:01 | 11.69583           | 272.75          | 112.46           |
| 01/09/2004 | 22:49:01 | 11.71250           | 272.72          | 112.47           |
| 01/09/2004 | 22:50:01 | 11.72917           | 272.79          | 112.48           |
| 01/09/2004 | 22:51:01 | 11.74583           | 272.77          | 112.49           |
| 01/09/2004 | 22:52:01 | 11.76250           | 272.84          | 112.50           |
| 01/09/2004 | 22:53:01 | 11.77917           | 272.84          | 112.52           |
| 01/09/2004 | 22:54:01 | 11.79583           | 272.90          | 112.53           |
| 01/09/2004 | 22:55:01 | 11.81250           | 272.87          | 112.54           |
| 01/09/2004 | 22:56:01 | 11.82917           | 272.89          | 112.55           |
| 01/09/2004 | 22:57:01 | 11.84583           | 272.91          | 112.56           |
| 01/09/2004 | 22:58:01 | 11.86250           | 272.94          | 112.57           |
| 01/09/2004 | 22:59:01 | 11.87917           | 272.96          | 112.58           |
| 01/09/2004 | 23:00:01 | 11.89583           | 272.97          | 112.59           |
| 01/09/2004 | 23:01:01 | 11.91250           | 273.00          | 112.60           |

| Date       | Time     | Elapsed Time (hrs) | Pressure (psia) | Temperature (°F) |
|------------|----------|--------------------|-----------------|------------------|
| 01/09/2004 | 23:02:01 | 11.92917           | 273.06          | 112.61           |
| 01/09/2004 | 23:03:01 | 11.94583           | 273.11          | 112.62           |
| 01/09/2004 | 23:04:01 | 11.96250           | 273.10          | 112.63           |
| 01/09/2004 | 23:05:01 | 11.97917           | 273.11          | 112.64           |
| 01/09/2004 | 23:06:01 | 11.99583           | 273.11          | 112.65           |
| 01/09/2004 | 23:07:01 | 12.01250           | 273.18          | 112.66           |
| 01/09/2004 | 23:08:01 | 12.02917           | 273.18          | 112.67           |
| 01/09/2004 | 23:09:01 | 12.04583           | 273.19          | 112.67           |
| 01/09/2004 | 23:10:01 | 12.06250           | 273.18          | 112.68           |
| 01/09/2004 | 23:11:01 | 12.07917           | 273.27          | 112.69           |
| 01/09/2004 | 23:12:01 | 12.09583           | 273.29          | 112.70           |
| 01/09/2004 | 23:13:01 | 12.11250           | 273.28          | 112.71           |
| 01/09/2004 | 23:14:01 | 12.12917           | 273.36          | 112.72           |
| 01/09/2004 | 23:15:01 | 12.14583           | 273.38          | 112.72           |
| 01/09/2004 | 23:16:01 | 12.16250           | 273.44          | 112.73           |
| 01/09/2004 | 23:17:01 | 12.17917           | 273.41          | 112.74           |
| 01/09/2004 | 23:18:01 | 12.19583           | 273.45          | 112.75           |
| 01/09/2004 | 23:19:01 | 12.21250           | 273.52          | 112.76           |
| 01/09/2004 | 23:20:01 | 12.22917           | 273.56          | 112.77           |
| 01/09/2004 | 23:21:01 | 12.24583           | 273.58          | 112.77           |
| 01/09/2004 | 23:22:01 | 12.26250           | 273.58          | 112.78           |
| 01/09/2004 | 23:23:01 | 12.27917           | 273.64          | 112.79           |
| 01/09/2004 | 23:24:01 | 12.29583           | 273.68          | 112.80           |
| 01/09/2004 | 23:25:01 | 12.31250           | 273.75          | 112.81           |
| 01/09/2004 | 23:26:01 | 12.32917           | 273.75          | 112.82           |
| 01/09/2004 | 23:27:01 | 12.34583           | 273.75          | 112.82           |
| 01/09/2004 | 23:28:01 | 12.36250           | 273.81          | 112.83           |
| 01/09/2004 | 23:29:01 | 12.37917           | 273.83          | 112.84           |
| 01/09/2004 | 23:30:01 | 12.39583           | 273.86          | 112.85           |
| 01/09/2004 | 23:31:01 | 12.41250           | 273.89          | 112.86           |
| 01/09/2004 | 23:32:01 | 12.42917           | 273.99          | 112.86           |
| 01/09/2004 | 23:33:01 | 12.44583           | 273.95          | 112.87           |
| 01/09/2004 | 23:34:01 | 12.46250           | 273.97          | 112.88           |
| 01/09/2004 | 23:35:01 | 12.47917           | 274.03          | 112.89           |
| 01/09/2004 | 23:36:01 | 12.49583           | 274.09          | 112.89           |
| 01/09/2004 | 23:37:01 | 12.51250           | 274.08          | 112.90           |
| 01/09/2004 | 23:38:01 | 12.52917           | 274.11          | 112.91           |
| 01/09/2004 | 23:39:01 | 12.54583           | 274.17          | 112.92           |
| 01/09/2004 | 23:40:01 | 12.56250           | 274.17          | 112.93           |
| 01/09/2004 | 23:41:01 | 12.57917           | 274.22          | 112.93           |
| 01/09/2004 | 23:42:01 | 12.59583           | 274.26          | 112.94           |
| 01/09/2004 | 23:43:01 | 12.61250           | 274.28          | 112.95           |
| 01/09/2004 | 23:44:01 | 12.62917           | 274.33          | 112.96           |
| 01/09/2004 | 23:45:01 | 12.64583           | 274.34          | 112.96           |
| 01/09/2004 | 23:46:01 | 12.66250           | 274.38          | 112.97           |
| 01/09/2004 | 23:47:01 | 12.67917           | 274.47          | 112.98           |
| 01/09/2004 | 23:48:01 | 12.69583           | 274.46          | 112.99           |
| 01/09/2004 | 23:49:01 | 12.71250           | 274.48          | 112.99           |
| 01/09/2004 | 23:50:01 | 12.72917           | 274.52          | 113.00           |
| 01/09/2004 | 23:51:01 | 12.74583           | 274.57          | 113.01           |
| 01/09/2004 | 23:52:01 | 12.76250           | 274.62          | 113.02           |
| 01/09/2004 | 23:53:01 | 12.77917           | 274.65          | 113.02           |
| 01/09/2004 | 23:54:01 | 12.79583           | 274.68          | 113.03           |
| 01/09/2004 | 23:55:01 | 12.81250           | 274.73          | 113.04           |
| 01/09/2004 | 23:56:01 | 12.82917           | 274.74          | 113.04           |
| 01/09/2004 | 23:57:01 | 12.84583           | 274.80          | 113.05           |
| 01/09/2004 | 23:58:01 | 12.86250           | 274.86          | 113.06           |
| 01/09/2004 | 23:59:01 | 12.87917           | 274.92          | 113.06           |
| 01/10/2004 | 00:00:01 | 12.89583           | 274.91          | 113.07           |
| 01/10/2004 | 00:01:01 | 12.91250           | 274.96          | 113.08           |
| 01/10/2004 | 00:02:01 | 12.92917           | 274.97          | 113.08           |
| 01/10/2004 | 00:03:01 | 12.94583           | 275.02          | 113.09           |
| 01/10/2004 | 00:04:01 | 12.96250           | 275.03          | 113.09           |
| 01/10/2004 | 00:05:01 | 12.97917           | 275.09          | 113.10           |
| 01/10/2004 | 00:06:01 | 12.99583           | 275.11          | 113.11           |
| 01/10/2004 | 00:07:01 | 13.01250           | 275.19          | 113.11           |
| 01/10/2004 | 00:08:01 | 13.02917           | 275.21          | 113.12           |
| 01/10/2004 | 00:09:01 | 13.04583           | 275.20          | 113.12           |
| 01/10/2004 | 00:10:01 | 13.06250           | 275.28          | 113.13           |
| 01/10/2004 | 00:11:01 | 13.07917           | 275.35          | 113.14           |
| 01/10/2004 | 00:12:01 | 13.09583           | 275.38          | 113.14           |
| 01/10/2004 | 00:13:01 | 13.11250           | 275.39          | 113.15           |
| 01/10/2004 | 00:14:01 | 13.12917           | 275.45          | 113.15           |
| 01/10/2004 | 00:15:01 | 13.14583           | 275.45          | 113.16           |
| 01/10/2004 | 00:16:01 | 13.16250           | 275.46          | 113.16           |
| 01/10/2004 | 00:17:01 | 13.17917           | 275.51          | 113.17           |
| 01/10/2004 | 00:18:01 | 13.19583           | 275.58          | 113.17           |
| 01/10/2004 | 00:19:01 | 13.21250           | 275.61          | 113.18           |
| 01/10/2004 | 00:20:01 | 13.22917           | 275.59          | 113.18           |
| 01/10/2004 | 00:21:01 | 13.24583           | 275.63          | 113.19           |
| 01/10/2004 | 00:22:01 | 13.26250           | 275.70          | 113.19           |
| 01/10/2004 | 00:23:01 | 13.27917           | 275.73          | 113.20           |
| 01/10/2004 | 00:24:01 | 13.29583           | 275.78          | 113.20           |
| 01/10/2004 | 00:25:01 | 13.31250           | 275.79          | 113.21           |
| 01/10/2004 | 00:26:01 | 13.32917           | 275.84          | 113.21           |
| 01/10/2004 | 00:27:01 | 13.34583           | 275.88          | 113.22           |
| 01/10/2004 | 00:28:01 | 13.36250           | 275.92          | 113.22           |
| 01/10/2004 | 00:29:01 | 13.37917           | 275.94          | 113.23           |
| 01/10/2004 | 00:30:01 | 13.39583           | 276.00          | 113.23           |
| 01/10/2004 | 00:31:01 | 13.41250           | 276.01          | 113.24           |
| 01/10/2004 | 00:32:01 | 13.42917           | 276.07          | 113.24           |
| 01/10/2004 | 00:33:01 | 13.44583           | 276.11          | 113.25           |
| 01/10/2004 | 00:34:01 | 13.46250           | 276.15          | 113.25           |
| 01/10/2004 | 00:35:01 | 13.47917           | 276.16          | 113.26           |
| 01/10/2004 | 00:36:01 | 13.49583           | 276.19          | 113.26           |
| 01/10/2004 | 00:37:01 | 13.51250           | 276.19          | 113.27           |

| Date       | Time     | Elapsed Time (hrs) | Pressure (psia) | Temperature (°F) |
|------------|----------|--------------------|-----------------|------------------|
| 01/10/2004 | 00:38:01 | 13.52917           | 276.28          | 113.27           |
| 01/10/2004 | 00:39:01 | 13.54583           | 276.28          | 113.27           |
| 01/10/2004 | 00:40:01 | 13.56250           | 276.34          | 113.28           |
| 01/10/2004 | 00:41:01 | 13.57917           | 276.35          | 113.28           |
| 01/10/2004 | 00:42:01 | 13.59583           | 276.41          | 113.29           |
| 01/10/2004 | 00:43:01 | 13.61250           | 276.44          | 113.29           |
| 01/10/2004 | 00:44:01 | 13.62917           | 276.44          | 113.29           |
| 01/10/2004 | 00:45:01 | 13.64583           | 276.50          | 113.30           |
| 01/10/2004 | 00:46:01 | 13.66250           | 276.51          | 113.30           |
| 01/10/2004 | 00:47:01 | 13.67917           | 276.56          | 113.31           |
| 01/10/2004 | 00:48:01 | 13.69583           | 276.55          | 113.31           |
| 01/10/2004 | 00:49:01 | 13.71250           | 276.61          | 113.31           |
| 01/10/2004 | 00:50:01 | 13.72917           | 276.66          | 113.32           |
| 01/10/2004 | 00:51:01 | 13.74583           | 276.67          | 113.32           |
| 01/10/2004 | 00:52:01 | 13.76250           | 276.77          | 113.33           |
| 01/10/2004 | 00:53:01 | 13.77917           | 276.72          | 113.33           |
| 01/10/2004 | 00:54:01 | 13.79583           | 276.79          | 113.33           |
| 01/10/2004 | 00:55:01 | 13.81250           | 276.81          | 113.34           |
| 01/10/2004 | 00:56:01 | 13.82917           | 276.83          | 113.34           |
| 01/10/2004 | 00:57:01 | 13.84583           | 276.86          | 113.34           |
| 01/10/2004 | 00:58:01 | 13.86250           | 276.91          | 113.35           |
| 01/10/2004 | 00:59:01 | 13.87917           | 276.92          | 113.35           |
| 01/10/2004 | 01:00:01 | 13.89583           | 276.98          | 113.35           |
| 01/10/2004 | 01:01:01 | 13.91250           | 277.00          | 113.36           |
| 01/10/2004 | 01:02:01 | 13.92917           | 277.04          | 113.36           |
| 01/10/2004 | 01:03:01 | 13.94583           | 277.08          | 113.36           |
| 01/10/2004 | 01:04:01 | 13.96250           | 277.10          | 113.37           |
| 01/10/2004 | 01:05:01 | 13.97917           | 277.13          | 113.37           |
| 01/10/2004 | 01:06:01 | 13.99583           | 277.17          | 113.37           |
| 01/10/2004 | 01:07:01 | 14.01250           | 277.16          | 113.38           |
| 01/10/2004 | 01:08:01 | 14.02917           | 277.23          | 113.38           |
| 01/10/2004 | 01:09:01 | 14.04583           | 277.23          | 113.38           |
| 01/10/2004 | 01:10:01 | 14.06250           | 277.28          | 113.39           |
| 01/10/2004 | 01:11:01 | 14.07917           | 277.37          | 113.39           |
| 01/10/2004 | 01:12:01 | 14.09583           | 277.30          | 113.39           |
| 01/10/2004 | 01:13:01 | 14.11250           | 277.33          | 113.39           |
| 01/10/2004 | 01:14:01 | 14.12917           | 277.42          | 113.40           |
| 01/10/2004 | 01:15:01 | 14.14583           | 277.41          | 113.40           |
| 01/10/2004 | 01:16:01 | 14.16250           | 277.46          | 113.40           |
| 01/10/2004 | 01:17:01 | 14.17917           | 277.47          | 113.41           |
| 01/10/2004 | 01:18:01 | 14.19583           | 277.53          | 113.41           |
| 01/10/2004 | 01:19:01 | 14.21250           | 277.58          | 113.41           |
| 01/10/2004 | 01:20:01 | 14.22917           | 277.53          | 113.41           |
| 01/10/2004 | 01:21:01 | 14.24583           | 277.61          | 113.42           |
| 01/10/2004 | 01:22:01 | 14.26250           | 277.63          | 113.42           |
| 01/10/2004 | 01:23:01 | 14.27917           | 277.67          | 113.42           |
| 01/10/2004 | 01:24:01 | 14.29583           | 277.70          | 113.42           |
| 01/10/2004 | 01:25:01 | 14.31250           | 277.69          | 113.43           |
| 01/10/2004 | 01:26:01 | 14.32917           | 277.75          | 113.43           |
| 01/10/2004 | 01:27:01 | 14.34583           | 277.77          | 113.43           |
| 01/10/2004 | 01:28:01 | 14.36250           | 277.80          | 113.44           |
| 01/10/2004 | 01:29:01 | 14.37917           | 277.82          | 113.44           |
| 01/10/2004 | 01:30:01 | 14.39583           | 277.86          | 113.44           |
| 01/10/2004 | 01:31:01 | 14.41250           | 277.93          | 113.44           |
| 01/10/2004 | 01:32:01 | 14.42917           | 277.92          | 113.45           |
| 01/10/2004 | 01:33:01 | 14.44583           | 278.00          | 113.45           |
| 01/10/2004 | 01:34:01 | 14.46250           | 277.94          | 113.45           |
| 01/10/2004 | 01:35:01 | 14.47917           | 278.02          | 113.45           |
| 01/10/2004 | 01:36:01 | 14.49583           | 278.07          | 113.46           |
| 01/10/2004 | 01:37:01 | 14.51250           | 278.09          | 113.46           |
| 01/10/2004 | 01:38:01 | 14.52917           | 278.10          | 113.46           |
| 01/10/2004 | 01:39:01 | 14.54583           | 278.14          | 113.46           |
| 01/10/2004 | 01:40:01 | 14.56250           | 278.13          | 113.46           |
| 01/10/2004 | 01:41:01 | 14.57917           | 278.16          | 113.47           |
| 01/10/2004 | 01:42:01 | 14.59583           | 278.23          | 113.47           |
| 01/10/2004 | 01:43:01 | 14.61250           | 278.27          | 113.47           |
| 01/10/2004 | 01:44:01 | 14.62917           | 278.27          | 113.48           |
| 01/10/2004 | 01:45:01 | 14.64583           | 278.32          | 113.48           |
| 01/10/2004 | 01:46:01 | 14.66250           | 278.36          | 113.48           |
| 01/10/2004 | 01:47:01 | 14.67917           | 278.34          | 113.48           |
| 01/10/2004 | 01:48:01 | 14.69583           | 278.38          | 113.49           |
| 01/10/2004 | 01:49:01 | 14.71250           | 278.37          | 113.49           |
| 01/10/2004 | 01:50:01 | 14.72917           | 278.46          | 113.49           |
| 01/10/2004 | 01:51:01 | 14.74583           | 278.45          | 113.49           |
| 01/10/2004 | 01:52:01 | 14.76250           | 278.53          | 113.49           |
| 01/10/2004 | 01:53:01 | 14.77917           | 278.55          | 113.50           |
| 01/10/2004 | 01:54:01 | 14.79583           | 278.56          | 113.50           |
| 01/10/2004 | 01:55:01 | 14.81250           | 278.55          | 113.50           |
| 01/10/2004 | 01:56:01 | 14.82917           | 278.58          | 113.50           |
| 01/10/2004 | 01:57:01 | 14.84583           | 278.63          | 113.50           |
| 01/10/2004 | 01:58:01 | 14.86250           | 278.69          | 113.51           |
| 01/10/2004 | 01:59:01 | 14.87917           | 278.68          | 113.51           |
| 01/10/2004 | 02:00:01 | 14.89583           | 278.72          | 113.51           |
| 01/10/2004 | 02:01:01 | 14.91250           | 278.71          | 113.51           |
| 01/10/2004 | 02:02:01 | 14.92917           | 278.77          | 113.51           |
| 01/10/2004 | 02:03:01 | 14.94583           | 278.80          | 113.52           |
| 01/10/2004 | 02:04:01 | 14.96250           | 278.82          | 113.52           |
| 01/10/2004 | 02:05:01 | 14.97917           | 278.84          | 113.52           |
| 01/10/2004 | 02:06:01 | 14.99583           | 278.86          | 113.52           |
| 01/10/2004 | 02:07:01 | 15.01250           | 278.91          | 113.52           |
| 01/10/2004 | 02:08:01 | 15.02917           | 278.99          | 113.53           |
| 01/10/2004 | 02:09:01 | 15.04583           | 278.96          | 113.53           |
| 01/10/2004 | 02:10:01 | 15.06250           | 278.99          | 113.53           |
| 01/10/2004 | 02:11:01 | 15.07917           | 279.05          | 113.53           |
| 01/10/2004 | 02:12:01 | 15.09583           | 279.04          | 113.53           |
| 01/10/2004 | 02:13:01 | 15.11250           | 279.08          | 113.54           |

| Date          | Time     | Elapsed Time (hrs) | Pressure (psia) | Temperature (°F) |
|---------------|----------|--------------------|-----------------|------------------|
| 01/10/2004    | 02:14:01 | 15.12917           | 279.12          | 113.54           |
| 01/10/2004    | 02:15:01 | 15.14583           | 279.17          | 113.54           |
| 01/10/2004    | 02:16:01 | 15.16250           | 279.18          | 113.54           |
| 01/10/2004    | 02:17:01 | 15.17917           | 279.20          | 113.54           |
| 01/10/2004    | 02:18:01 | 15.19583           | 279.23          | 113.54           |
| 01/10/2004    | 02:19:01 | 15.21250           | 279.26          | 113.55           |
| 01/10/2004    | 02:20:01 | 15.22917           | 279.28          | 113.55           |
| 01/10/2004    | 02:21:01 | 15.24583           | 279.36          | 113.55           |
| 01/10/2004    | 02:22:01 | 15.26250           | 279.34          | 113.55           |
| 01/10/2004    | 02:23:01 | 15.27917           | 279.39          | 113.56           |
| 01/10/2004    | 02:24:01 | 15.29583           | 279.40          | 113.56           |
| 01/10/2004    | 02:25:01 | 15.31250           | 279.43          | 113.56           |
| 01/10/2004    | 02:26:01 | 15.32917           | 279.49          | 113.56           |
| 01/10/2004    | 02:27:01 | 15.34583           | 279.48          | 113.56           |
| 01/10/2004    | 02:28:01 | 15.36250           | 279.46          | 113.56           |
| 01/10/2004    | 02:29:01 | 15.37917           | 279.55          | 113.57           |
| 01/10/2004    | 02:30:01 | 15.39583           | 279.57          | 113.57           |
| 01/10/2004    | 02:31:01 | 15.41250           | 279.62          | 113.57           |
| 01/10/2004    | 02:32:01 | 15.42917           | 279.62          | 113.57           |
| 01/10/2004    | 02:33:01 | 15.44583           | 279.63          | 113.57           |
| 01/10/2004    | 02:34:01 | 15.46250           | 279.67          | 113.57           |
| 01/10/2004    | 02:35:01 | 15.47917           | 279.73          | 113.57           |
| 01/10/2004    | 02:36:01 | 15.49583           | 279.77          | 113.58           |
| 01/10/2004    | 02:37:01 | 15.51250           | 279.78          | 113.58           |
| 01/10/2004    | 02:38:01 | 15.52917           | 279.77          | 113.58           |
| 01/10/2004    | 02:39:01 | 15.54583           | 279.83          | 113.58           |
| 01/10/2004    | 02:40:01 | 15.56250           | 279.86          | 113.58           |
| 01/10/2004    | 02:41:01 | 15.57917           | 279.88          | 113.59           |
| 01/10/2004    | 02:42:01 | 15.59583           | 279.88          | 113.59           |
| 01/10/2004    | 02:43:01 | 15.61250           | 279.95          | 113.59           |
| 01/10/2004    | 02:44:01 | 15.62917           | 279.95          | 113.59           |
| 01/10/2004    | 02:45:01 | 15.64583           | 279.97          | 113.59           |
| 01/10/2004    | 02:46:01 | 15.66250           | 280.05          | 113.59           |
| 01/10/2004    | 02:47:01 | 15.67917           | 280.02          | 113.60           |
| 01/10/2004    | 02:48:01 | 15.69583           | 280.06          | 113.60           |
| 01/10/2004    | 02:49:01 | 15.71250           | 280.08          | 113.60           |
| 01/10/2004    | 02:50:01 | 15.72917           | 280.14          | 113.60           |
| 01/10/2004    | 02:51:01 | 15.74583           | 280.15          | 113.60           |
| 01/10/2004    | 02:52:01 | 15.76250           | 280.17          | 113.60           |
| 01/10/2004    | 02:53:01 | 15.77917           | 280.22          | 113.61           |
| 01/10/2004    | 02:54:01 | 15.79583           | 280.22          | 113.61           |
| 01/10/2004    | 02:55:01 | 15.81250           | 280.27          | 113.61           |
| 01/10/2004    | 02:56:01 | 15.82917           | 280.30          | 113.61           |
| 01/10/2004    | 02:57:01 | 15.84583           | 280.31          | 113.61           |
| 01/10/2004    | 02:58:01 | 15.86250           | 280.35          | 113.61           |
| 01/10/2004    | 02:59:01 | 15.87917           | 280.36          | 113.61           |
| 01/10/2004    | 03:00:01 | 15.89583           | 280.43          | 113.62           |
| 01/10/2004    | 03:01:01 | 15.91250           | 280.49          | 113.62           |
| 01/10/2004    | 03:02:01 | 15.92917           | 280.51          | 113.62           |
| 01/10/2004    | 03:03:01 | 15.94583           | 280.51          | 113.62           |
| 01/10/2004    | 03:04:01 | 15.96250           | 280.50          | 113.62           |
| 01/10/2004    | 03:05:01 | 15.97917           | 280.56          | 113.62           |
| 01/10/2004    | 03:06:01 | 15.99583           | 280.61          | 113.63           |
| 01/10/2004    | 03:07:01 | 16.01250           | 280.64          | 113.63           |
| 01/10/2004    | 03:08:01 | 16.02917           | 280.67          | 113.63           |
| 01/10/2004    | 03:09:01 | 16.04583           | 280.67          | 113.63           |
| 01/10/2004    | 03:10:01 | 16.06250           | 280.76          | 113.63           |
| 01/10/2004    | 03:11:01 | 16.07917           | 280.74          | 113.63           |
| 01/10/2004    | 03:12:01 | 16.09583           | 280.77          | 113.63           |
| 01/10/2004    | 03:13:01 | 16.11250           | 280.82          | 113.64           |
| 01/10/2004    | 03:14:01 | 16.12917           | 280.82          | 113.64           |
| 01/10/2004    | 03:15:01 | 16.14583           | 280.84          | 113.64           |
| 01/10/2004    | 03:16:01 | 16.16250           | 280.88          | 113.64           |
| 01/10/2004    | 03:17:01 | 16.17917           | 280.92          | 113.64           |
| 01/10/2004    | 03:18:01 | 16.19583           | 280.96          | 113.65           |
| 01/10/2004    | 03:19:01 | 16.21250           | 280.97          | 113.65           |
| 01/10/2004    | 03:20:01 | 16.22917           | 280.98          | 113.65           |
| 01/10/2004    | 03:21:01 | 16.24583           | 281.07          | 113.65           |
| 01/10/2004    | 03:22:01 | 16.26250           | 281.07          | 113.65           |
| 01/10/2004    | 03:23:01 | 16.27917           | 281.09          | 113.65           |
| 01/10/2004    | 03:24:01 | 16.29583           | 281.12          | 113.65           |
| 01/10/2004    | 03:25:01 | 16.31250           | 281.20          | 113.66           |
| 01/10/2004    | 03:26:01 | 16.32917           | 281.26          | 113.66           |
| 01/10/2004    | 03:27:01 | 16.34583           | 281.21          | 113.66           |
| 01/10/2004    | 03:28:01 | 16.36250           | 281.27          | 113.66           |
| 01/10/2004    | 03:29:01 | 16.37917           | 281.27          | 113.66           |
| 01/10/2004    | 03:30:01 | 16.39583           | 281.31          | 113.66           |
| POOH Gauges   |          |                    |                 |                  |
| 01/10/2004    | 03:31:01 | 16.41250           | 281.36          | 113.66           |
| 01/10/2004    | 03:32:01 | 16.42917           | 256.85          | 113.15           |
| 01/10/2004    | 03:33:01 | 16.44583           | 210.28          | 112.31           |
| Step at 9600' |          |                    |                 |                  |
| 01/10/2004    | 03:34:01 | 16.46250           | 200.37          | 112.35           |
| 01/10/2004    | 03:35:01 | 16.47917           | 200.62          | 112.34           |
| 01/10/2004    | 03:36:01 | 16.49583           | 199.31          | 112.32           |
| 01/10/2004    | 03:37:01 | 16.51250           | 134.78          | 112.20           |
| 01/10/2004    | 03:38:01 | 16.52917           | 134.06          | 112.01           |
| Step at 9200' |          |                    |                 |                  |
| 01/10/2004    | 03:39:01 | 16.54583           | 134.21          | 111.95           |
| 01/10/2004    | 03:40:01 | 16.56250           | 134.34          | 111.90           |
| 01/10/2004    | 03:41:01 | 16.57917           | 134.43          | 111.85           |
| 01/10/2004    | 03:42:01 | 16.59583           | 134.04          | 111.74           |
| 01/10/2004    | 03:43:01 | 16.61250           | 133.95          | 111.50           |
| 01/10/2004    | 03:44:01 | 16.62917           | 133.97          | 111.30           |
| Step at 8800' |          |                    |                 |                  |
| 01/10/2004    | 03:45:01 | 16.64583           | 134.01          | 111.10           |

| Date                 | Time     | Elapsed Time (hrs) | Pressure (psia) | Temperature (°F) |
|----------------------|----------|--------------------|-----------------|------------------|
| 01/10/2004           | 03:46:01 | 16.66250           | 134.08          | 110.94           |
| 01/10/2004           | 03:47:01 | 16.67917           | 134.16          | 110.79           |
| 01/10/2004           | 03:48:01 | 16.69583           | 133.61          | 110.66           |
| Step at 8400'        |          |                    |                 |                  |
| 01/10/2004           | 03:49:01 | 16.71250           | 133.47          | 110.42           |
| 01/10/2004           | 03:50:01 | 16.72917           | 133.50          | 110.23           |
| 01/10/2004           | 03:51:01 | 16.74583           | 133.54          | 110.10           |
| 01/10/2004           | 03:52:01 | 16.76250           | 133.12          | 110.03           |
| Step at 8000'        |          |                    |                 |                  |
| 01/10/2004           | 03:53:01 | 16.77917           | 132.89          | 109.81           |
| 01/10/2004           | 03:54:01 | 16.79583           | 132.93          | 109.70           |
| 01/10/2004           | 03:55:01 | 16.81250           | 132.98          | 109.58           |
| 01/10/2004           | 03:56:01 | 16.82917           | 132.79          | 109.44           |
| Step at 7600'        |          |                    |                 |                  |
| 01/10/2004           | 03:57:01 | 16.84583           | 132.33          | 108.97           |
| 01/10/2004           | 03:58:01 | 16.86250           | 132.37          | 108.82           |
| 01/10/2004           | 03:59:01 | 16.87917           | 132.46          | 108.70           |
| 01/10/2004           | 04:00:01 | 16.89583           | 132.47          | 108.56           |
| Step at 7200'        |          |                    |                 |                  |
| 01/10/2004           | 04:01:01 | 16.91250           | 131.82          | 107.85           |
| 01/10/2004           | 04:02:01 | 16.92917           | 131.83          | 107.58           |
| 01/10/2004           | 04:03:01 | 16.94583           | 131.90          | 107.42           |
| 01/10/2004           | 04:04:01 | 16.96250           | 131.92          | 107.26           |
| Step at 6800'        |          |                    |                 |                  |
| 01/10/2004           | 04:05:01 | 16.97917           | 131.17          | 106.72           |
| 01/10/2004           | 04:06:01 | 16.99583           | 131.17          | 106.19           |
| 01/10/2004           | 04:07:01 | 17.01250           | 131.18          | 105.82           |
| 01/10/2004           | 04:08:01 | 17.02917           | 131.24          | 105.48           |
| 01/10/2004           | 04:09:01 | 17.04583           | 130.91          | 105.07           |
| Step at 6400'        |          |                    |                 |                  |
| 01/10/2004           | 04:10:01 | 17.06250           | 130.45          | 104.40           |
| 01/10/2004           | 04:11:01 | 17.07917           | 130.47          | 104.18           |
| 01/10/2004           | 04:12:01 | 17.09583           | 130.54          | 103.99           |
| 01/10/2004           | 04:13:01 | 17.11250           | 130.56          | 103.80           |
| 01/10/2004           | 04:14:01 | 17.12917           | 130.58          | 103.62           |
| 01/10/2004           | 04:15:01 | 17.14583           | 129.92          | 103.18           |
| Step at 6000'        |          |                    |                 |                  |
| 01/10/2004           | 04:16:01 | 17.16250           | 129.85          | 102.58           |
| 01/10/2004           | 04:17:01 | 17.17917           | 129.88          | 102.30           |
| 01/10/2004           | 04:18:01 | 17.19583           | 129.94          | 102.02           |
| 01/10/2004           | 04:19:01 | 17.21250           | 129.95          | 101.75           |
| 01/10/2004           | 04:20:01 | 17.22917           | 128.25          | 100.14           |
| Step at 5000'        |          |                    |                 |                  |
| 01/10/2004           | 04:21:01 | 17.24583           | 128.12          | 98.57            |
| 01/10/2004           | 04:22:01 | 17.26250           | 128.16          | 97.85            |
| 01/10/2004           | 04:23:01 | 17.27917           | 128.19          | 97.29            |
| 01/10/2004           | 04:24:01 | 17.29583           | 127.71          | 96.71            |
| 01/10/2004           | 04:25:01 | 17.31250           | 126.70          | 94.80            |
| Step at 4000'        |          |                    |                 |                  |
| 01/10/2004           | 04:26:01 | 17.32917           | 126.63          | 93.82            |
| 01/10/2004           | 04:27:01 | 17.34583           | 126.63          | 93.18            |
| 01/10/2004           | 04:28:01 | 17.36250           | 126.66          | 92.66            |
| 01/10/2004           | 04:29:01 | 17.37917           | 126.70          | 92.22            |
| Step at 3000'        |          |                    |                 |                  |
| 01/10/2004           | 04:30:01 | 17.39583           | 125.26          | 91.03            |
| 01/10/2004           | 04:31:01 | 17.41250           | 125.25          | 89.95            |
| 01/10/2004           | 04:32:01 | 17.42917           | 125.31          | 89.56            |
| 01/10/2004           | 04:33:01 | 17.44583           | 125.30          | 89.14            |
| 01/10/2004           | 04:34:01 | 17.46250           | 123.92          | 87.90            |
| Step at 2000'        |          |                    |                 |                  |
| 01/10/2004           | 04:35:01 | 17.47917           | 123.42          | 86.27            |
| 01/10/2004           | 04:36:01 | 17.49583           | 123.46          | 85.88            |
| 01/10/2004           | 04:37:01 | 17.51250           | 123.50          | 85.50            |
| 01/10/2004           | 04:38:01 | 17.52917           | 122.84          | 84.96            |
| Step at 1000'        |          |                    |                 |                  |
| 01/10/2004           | 04:39:01 | 17.54583           | 120.78          | 81.75            |
| 01/10/2004           | 04:40:01 | 17.56250           | 120.74          | 80.90            |
| 01/10/2004           | 04:41:01 | 17.57917           | 120.79          | 80.44            |
| 01/10/2004           | 04:42:01 | 17.59583           | 120.79          | 79.71            |
| 01/10/2004           | 04:43:01 | 17.61250           | 119.91          | 78.64            |
| 01/10/2004           | 04:44:01 | 17.62917           | 119.00          | 76.43            |
| 01/10/2004           | 04:45:01 | 17.64583           | 118.43          | 74.73            |
| 01/10/2004           | 04:46:01 | 17.66250           | 118.02          | 73.68            |
| Gauges in Lubricator |          |                    |                 |                  |
| 01/10/2004           | 04:47:01 | 17.67917           | 117.78          | 73.52            |
| 01/10/2004           | 04:48:01 | 17.69583           | 117.78          | 73.66            |
| 01/10/2004           | 04:49:01 | 17.71250           | 117.81          | 73.74            |
| 01/10/2004           | 04:50:01 | 17.72917           | 117.83          | 73.78            |
| 01/10/2004           | 04:51:01 | 17.74583           | 117.89          | 73.91            |
| 01/10/2004           | 04:52:01 | 17.76250           | 117.91          | 73.82            |
| 01/10/2004           | 04:53:01 | 17.77917           | 117.87          | 73.84            |
| 01/10/2004           | 04:54:01 | 17.79583           | 117.78          | 73.86            |
| Bleed off Lubricator |          |                    |                 |                  |
| 01/10/2004           | 04:55:01 | 17.81250           | 114.10          | 73.86            |
| 01/10/2004           | 04:56:01 | 17.82917           | 65.00           | 73.82            |
| 01/10/2004           | 04:57:01 | 17.84583           | 13.76           | 73.50            |
| 01/10/2004           | 04:58:01 | 17.86250           | 13.77           | 73.48            |
| 01/10/2004           | 04:59:01 | 17.87917           | 13.74           | 73.50            |
| 01/10/2004           | 05:00:01 | 17.89583           | 13.74           | 73.54            |
| 01/10/2004           | 05:01:01 | 17.91250           | 13.76           | 73.57            |
| 01/10/2004           | 05:02:01 | 17.92917           | 13.79           | 73.57            |
| 01/10/2004           | 05:03:01 | 17.94583           | 13.77           | 73.51            |
| 01/10/2004           | 05:04:01 | 17.96250           | 13.77           | 73.82            |
| 01/10/2004           | 05:05:01 | 17.97917           | 13.80           | 73.72            |
| Desactivate          |          |                    |                 |                  |
| 01/10/2004           | 05:21:01 | 18.24583           | 13.82           | 75.03            |

## ANEXO 3

## WELL TESTING PROCEDURE

|                          |              |
|--------------------------|--------------|
| Well                     | LO16-24      |
| Type                     | CONVENTIONAL |
| Shut in time before test | —            |

|      |                  |
|------|------------------|
| Area | LOBITOS OFFSHORE |
|------|------------------|

| Stages job                                       | Flowing gradient |    | Static gradient |    | Build Up |    |
|--------------------------------------------------|------------------|----|-----------------|----|----------|----|
|                                                  | Yes              | No | Yes             | No | Yes      | No |
| Cut paraffin                                     |                  | X  |                 |    |          |    |
| Fish standing valve                              |                  | X  |                 |    |          |    |
| Sand top                                         |                  | X  |                 |    |          |    |
| Logging down flowing gradient                    |                  | X  |                 |    |          |    |
| Logging up flowing gradient                      | X                |    |                 |    |          |    |
| Recording bottom hole pressure flowing by 12 hrs | X                |    |                 |    |          |    |
| Recording Build Up pressure by hrs               |                  | X  |                 |    |          |    |
| Recording bottom hole pressure static by hrs.    |                  | X  |                 |    |          |    |
| Logging down static gradient                     |                  | X  |                 |    |          |    |
| Logging up static gradient                       |                  | X  |                 |    |          |    |
| Take measure well head pressure (tubing/annulus) | X                |    |                 |    |          |    |
| Reset standing valve                             |                  | X  |                 |    |          |    |

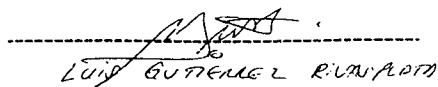
Project to be charged : MEOR treatment

Gauge depth @ 9965 feet.

Sampling rate.....(Minimum 4 point/minute)

Step reading time.....(Minimum 4 minute/step)

Rx : Se realizacion 3 Inyecciones.



Operation Engineer