

**INDONESIA**

# **OIL AND GAS STATISTICS 2009**

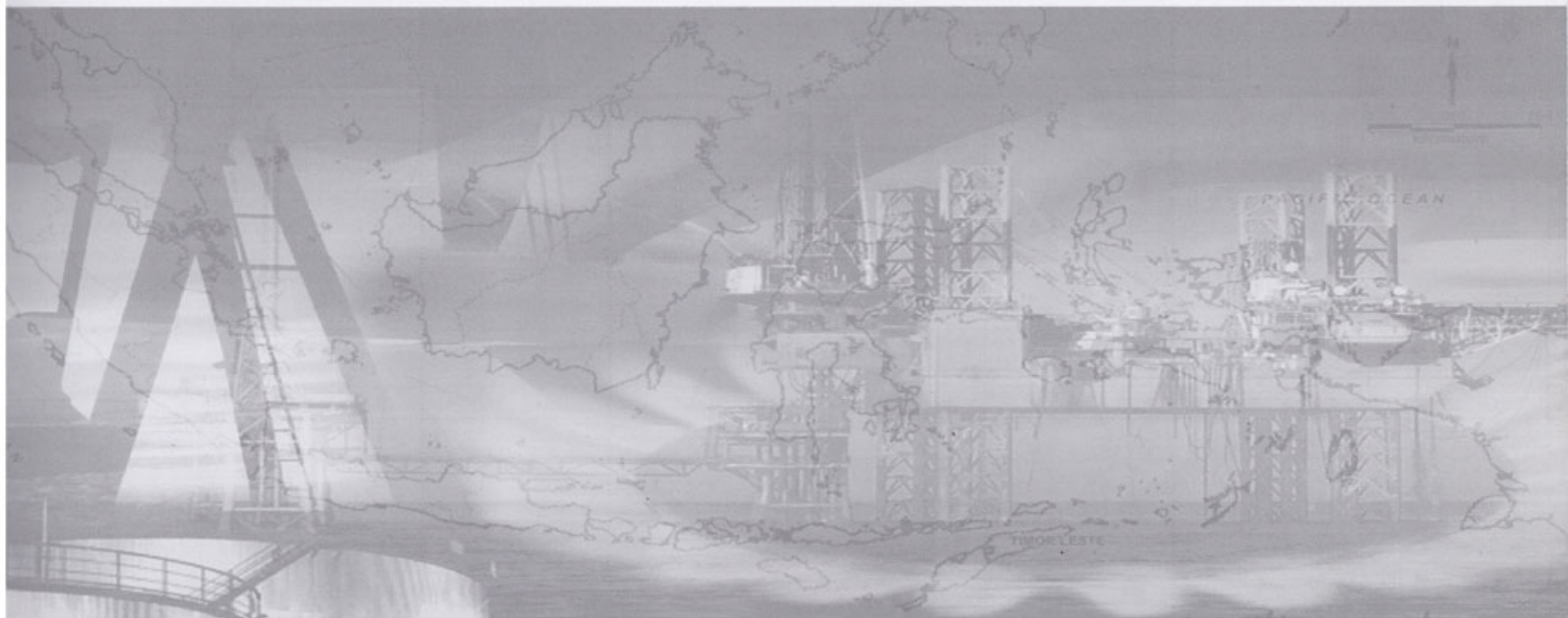
***ANNUAL REPORT***



**MINISTRY ENERGY AND MINERAL RESOURCES  
DIRECTORATE GENERAL OF OIL AND GAS**



# INDONESIA OIL AND GAS STATISTICS *ANNUAL REPORT*



MINISTRY ENERGY AND MINERAL RESOURCES  
DIRECTORATE GENERAL OF OIL AND GAS

**STATISTIK PERMINYAKAN INDONESIA**

*Indonesia Oil and Gas Statistics*

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## **I. EKSPLOITASI DAN PRODUKSI/Exploitation and Production**





**TABEL 1.1. PRODUKSI DAN PEMANFAATAN GAS BUMI**  
**Tabel 1.1. Production And Utilization Of Natural Gas 2009**

| Company                                 | Gross Production   | Utilization       |                    |                   |                   |                  |          |          |                   |          |                    | Shrinkage      | Losses/ Flared    | % Gas Used   |
|-----------------------------------------|--------------------|-------------------|--------------------|-------------------|-------------------|------------------|----------|----------|-------------------|----------|--------------------|----------------|-------------------|--------------|
|                                         |                    | Own Use           | Local              | Fertilizer        | Refinery          | LPG/Lex Pl.      | Condens  | LNG      | PGN               | GAS      | Total              |                |                   |              |
| <b>I. Pertamina Onshore</b>             |                    |                   |                    |                   |                   |                  |          |          |                   |          |                    |                |                   |              |
| 1. REGION I (SUMATERA: NAD, SBT, SBS)   | 169.213.330        | 10.715.790        | 19.304.980         | 51.897.960        | 8.854.420         | 1.557.010        | -        | -        | 70.742.990        | -        | 163.073.150        | -              | 6.140.180         | 96,37        |
| 2. REGION II (JAWA : JBB, JBT)          | 181.623.390        | 26.222.070        | 85.895.910         | 13.944.750        | 7.184.220         | -                | -        | -        | 15.140.640        | -        | 148.387.590        | -              | 33.235.800        | 81,70        |
| 3. REGION III (KTI : KALIMANTAN, PAPUA) | 4.030.570          | 3.328.230         | -                  | -                 | -                 | -                | -        | -        | -                 | -        | 3.328.230          | -              | 702.340           | 82,57        |
| <b>Sub Total</b>                        | <b>354.867.290</b> | <b>40.266.090</b> | <b>105.200.890</b> | <b>65.842.710</b> | <b>16.038.640</b> | <b>1.557.010</b> | <b>0</b> | <b>0</b> | <b>85.883.630</b> | <b>0</b> | <b>314.788.970</b> | <b>0</b>       | <b>40.078.320</b> | <b>88,71</b> |
| <b>II. Pertamina JOB &amp; UBPEP</b>    |                    |                   |                    |                   |                   |                  |          |          |                   |          |                    |                |                   |              |
| 1. Lekom Maras/Hedi                     | -                  | -                 | -                  | -                 | -                 | -                | -        | -        | -                 | -        | 0                  | -              | -                 | -            |
| 2. UBPEP Benakat                        | -                  | -                 | -                  | -                 | -                 | -                | -        | -        | -                 | -        | 0                  | -              | -                 | -            |
| 3. UBPEP Tanjung                        | -                  | -                 | -                  | -                 | -                 | -                | -        | -        | -                 | -        | 0                  | -              | -                 | -            |
| <b>Sub Total</b>                        | <b>0</b>           | <b>0</b>          | <b>0</b>           | <b>0</b>          | <b>0</b>          | <b>0</b>         | <b>0</b> | <b>0</b> | <b>0</b>          | <b>0</b> | <b>0</b>           | <b>0</b>       | <b>0</b>          | <b>-</b>     |
| <b>III. Pertamina TAC</b>               |                    |                   |                    |                   |                   |                  |          |          |                   |          |                    |                |                   |              |
| <b>A. Onshore</b>                       |                    |                   |                    |                   |                   |                  |          |          |                   |          |                    |                |                   |              |
| 1. Elnusa Tristar (Ramba)               | -                  | -                 | -                  | -                 | -                 | -                | -        | -        | -                 | -        | 0                  | -              | -                 | -            |
| 2. Medco Sembakung+Sanga2+Semco         | 5.443.580          | 1.824.944         | 1.943.890          | -                 | -                 | -                | -        | -        | -                 | -        | 3.768.834          | -              | 1.674.746         | 69,23        |
| 3. Intermega-Sabaku/Salawati            | -                  | -                 | -                  | -                 | -                 | -                | -        | -        | -                 | -        | 0                  | -              | -                 | -            |
| 4. BWP Meruap                           | 529.597            | 353.587           | 176.010            | -                 | -                 | -                | -        | -        | -                 | -        | 529.597            | -              | -                 | 100,00       |
| 5. Pelangi Haurgeulis                   | 282.650            | 145.910           | 136.740            | -                 | -                 | -                | -        | -        | -                 | -        | 282.650            | -              | -                 | 100,00       |
| 6. Rainbow Emerald PS                   | 429.280            | 133.690           | 295.590            | -                 | -                 | -                | -        | -        | -                 | -        | 429.280            | -              | -                 | 100,00       |
| 7. Ellipse Energy                       | 1.311.776          | 32.410            | -                  | -                 | -                 | -                | -        | -        | 1.279.366         | -        | 1.311.776          | -              | -                 | 100,00       |
| <b>Sub Total</b>                        | <b>7.996.883</b>   | <b>2.490.541</b>  | <b>2.552.230</b>   | <b>0</b>          | <b>0</b>          | <b>0</b>         | <b>0</b> | <b>0</b> | <b>1.279.366</b>  | <b>0</b> | <b>6.322.137</b>   | <b>0</b>       | <b>1.674.746</b>  | <b>79,06</b> |
| <b>B. Offshore</b>                      |                    |                   |                    |                   |                   |                  |          |          |                   |          |                    |                |                   |              |
| 1. Kodeco Poleng                        | 16.524.325         | 230.742           | 15.733.027         | -                 | -                 | -                | -        | -        | -                 | -        | 15.963.769         | -              | 560.556           | 96,61        |
| 2. Salamander Energy (Glagah Kambuna)   | 1.660.450          | 6.170             | 1.654.280          | -                 | -                 | -                | -        | -        | -                 | -        | 1.660.450          | -              | -                 | 100,00       |
| <b>Sub Total</b>                        | <b>18.184.775</b>  | <b>236.912</b>    | <b>17.387.307</b>  | <b>0</b>          | <b>0</b>          | <b>0</b>         | <b>0</b> | <b>0</b> | <b>0</b>          | <b>0</b> | <b>17.624.219</b>  | <b>0</b>       | <b>560.556</b>    | <b>96,92</b> |
| <b>IV. JOB-PSC</b>                      |                    |                   |                    |                   |                   |                  |          |          |                   |          |                    |                |                   |              |
| <b>A. Onshore</b>                       |                    |                   |                    |                   |                   |                  |          |          |                   |          |                    |                |                   |              |
| 1. Talisman (O.K)                       | 5.060.354          | 517.810           | -                  | 4.266.059         | -                 | -                | -        | -        | -                 | -        | 4.783.869          | 182.429        | 94.056            | 94,54        |
| 2. Golden Spike                         | 528.780            | -                 | -                  | 528.780           | -                 | -                | -        | -        | -                 | -        | 528.780            | -              | -                 | 100,00       |
| 3. Medco E&P Tomori                     | 1.602.589          | -                 | -                  | -                 | -                 | -                | -        | -        | -                 | -        | 0                  | -              | 1.602.589         | 0,00         |
| 4. Petrochina Salawati                  | 4.620.828          | -                 | -                  | -                 | -                 | -                | -        | -        | -                 | -        | 0                  | -              | 4.620.828         | 0,00         |
| 5. Petrochina Tuban                     | 3.204.278          | -                 | -                  | 538.127           | -                 | -                | -        | -        | -                 | -        | 538.127            | -              | 2.666.151         | 16,79        |
| 6. Hess Jambi Merang                    | -                  | -                 | -                  | -                 | -                 | -                | -        | -        | -                 | -        | 0                  | -              | -                 | -            |
| <b>Sub Total</b>                        | <b>15.016.829</b>  | <b>517.810</b>    | <b>0</b>           | <b>5.332.966</b>  | <b>0</b>          | <b>0</b>         | <b>0</b> | <b>0</b> | <b>0</b>          | <b>0</b> | <b>5.850.776</b>   | <b>182.429</b> | <b>8.983.624</b>  | <b>38,96</b> |
| <b>B. Offshore</b>                      |                    |                   |                    |                   |                   |                  |          |          |                   |          |                    |                |                   |              |
| 1. Costa International                  | 439.480            | 64.501            | 316.119            | -                 | -                 | -                | -        | -        | -                 | -        | 380.620            | -              | 58.860            | 86,61        |
| <b>Total Pertamina + JOB + TAC</b>      | <b>396.505.257</b> | <b>43.575.854</b> | <b>125.456.546</b> | <b>71.175.676</b> | <b>16.038.640</b> | <b>1.557.010</b> | <b>0</b> | <b>0</b> | <b>87.162.996</b> | <b>0</b> | <b>344.966.722</b> | <b>182.429</b> | <b>51.356.106</b> | <b>87,00</b> |

MSCF

MSCF



| Company                                | Gross Production | Utilization |             |             |            |            |           |               |             |             |               | Srinkage | Losses/ Flared | % Gas Used |
|----------------------------------------|------------------|-------------|-------------|-------------|------------|------------|-----------|---------------|-------------|-------------|---------------|----------|----------------|------------|
|                                        |                  | Own Use     | Local       | Fertilizer  | Refinery   | LPG/Lex Pl | Condens   | LNG           | PGN         | GAS         | Total         |          |                |            |
| IV. Production Sharing Contracts       |                  |             |             |             |            |            |           |               |             |             |               |          |                |            |
| Onshore                                |                  |             |             |             |            |            |           |               |             |             |               |          |                |            |
| 1. Exxon Mobil                         | 237.865.140      | 13.363.981  | -           | 19.518.315  | -          | -          | -         | 204.685.434   | -           | -           | 237.567.730   | -        | 297.410        | 99,87      |
| 2. Mobil Cepu Ltd                      | 464.339          | 143         | -           | -           | -          | -          | -         | -             | -           | -           | 143           | -        | 464.196        | 0,00       |
| 3. PT. C P I                           | 17.851.130       | 17.851.130  | -           | -           | -          | -          | -         | -             | -           | -           | 17.851.130    | -        | -              | 100,00     |
| 4. Petroselat Ltd                      | 31.459           | -           | -           | -           | -          | -          | -         | -             | -           | -           | 0             | -        | 31.459         | 0,00       |
| 5. Conoco Phillips Gressik Ltd         | 331.083.712      | 10.277.205  | 151.672.366 | -           | -          | -          | -         | -             | 111.267.710 | 57.098.756  | 330.316.037   | -        | 767.675        | 99,77      |
| 6. ConocoPhillips South Jambi          | 2.350.550        | 179.788     | -           | -           | -          | -          | -         | -             | 246.050     | 1.875.455   | 2.301.293     | -        | 49.257         | 97,90      |
| 7. Medco E&P Indonesia Lematang        | 21.960           | 21.960      | -           | -           | -          | -          | -         | -             | -           | -           | 21.960        | -        | -              | 100,00     |
| 8. Medco E&P Indonesia (SS.+CS)        | 32.598.446       | 395.106     | 14.878.563  | 13.455.306  | -          | -          | -         | -             | 435.433     | -           | 29.164.408    | 248.838  | 3.185.200      | 89,47      |
| 9. Medco E&P Indonesia (Rimau)         | 4.119.750        | 1.891.810   | -           | -           | -          | 1.222.740  | -         | -             | -           | -           | 3.114.550     | -        | 1.005.200      | 75,60      |
| 10. Medco E&P Indonesia Kalimantan     | 2.523.350        | 346.406     | 2.176.944   | -           | -          | -          | -         | -             | -           | -           | 2.523.350     | -        | -              | 100,00     |
| 11. Kangean Energy                     | 10.822.113       | 1.340.685   | 845.272     | 8.571.178   | -          | -          | -         | -             | -           | -           | 10.757.135    | -        | 64.978         | 99,40      |
| 12. Vico                               | 169.655.211      | 9.813.730   | 8.088.313   | 9.729.046   | -          | -          | -         | 141.233.739   | -           | -           | 168.864.828   | -        | 790.383        | 99,53      |
| 13. Petrochina Bermuda                 | 7.644.300        | 6.103.433   | 324.943     | -           | -          | 202.485    | 721.529   | -             | -           | -           | 7.352.390     | -        | 291.910        | 96,18      |
| 14. Petrochina Jabung                  | 102.075.532      | 10.941.606  | -           | -           | -          | 8.268.624  | 3.580.064 | -             | -           | 48.242.403  | 71.032.697    | -        | 31.042.834     | 69,59      |
| 15. Petrochina Bangko                  | 84.374           | -           | -           | -           | -          | -          | -         | -             | -           | -           | 0             | -        | 84.374         | 0,00       |
| 16. Energy Equity Epic (Sengkang)      | 13.016.966       | 59.359      | 12.936.983  | -           | -          | -          | -         | -             | -           | -           | 12.996.342    | -        | 20.624         | 99,84      |
| 17. EMP Brantas                        | 3.895.639        | 83.873      | -           | -           | -          | -          | -         | -             | 3.804.006   | -           | 3.887.879     | -        | 7.760          | 99,80      |
| 18. Citic Seram Energy Ltd (Csel)      | 486.598          | 461.414     | -           | -           | -          | -          | -         | -             | -           | -           | 461.414       | -        | 25.184         | 94,82      |
| 19. Pearl Oil Kuala Tungkal            | 153.093          | -           | -           | -           | -          | -          | -         | -             | -           | -           | 0             | -        | 153.093        | 0,00       |
| 20. Benuo Taka                         | 324.572          | 5.475       | -           | -           | 319.097    | -          | -         | -             | -           | -           | 324.572       | -        | -              | 100,00     |
| 21. Kalila (Korinci Baru)              | 5.815.997        | -           | 5.815.997   | -           | -          | -          | -         | -             | -           | -           | 5.815.997     | -        | -              | 100,00     |
| 22. Kalila (Bentu)                     | -                | -           | -           | -           | -          | -          | -         | -             | -           | -           | 0             | -        | -              | -          |
| Sub Total                              | 942.884.231      | 73.137.104  | 196.739.381 | 51.273.845  | 319.097    | 9.693.849  | 4.301.593 | 345.919.173   | 115.753.199 | 107.216.614 | 904.353.855   | 248.838  | 38.281.537     | 95,91      |
| Offshore                               |                  |             |             |             |            |            |           |               |             |             |               |          |                |            |
| 1. Premier Oil                         | 54.881.049       | 1.875.864   | -           | -           | -          | -          | -         | -             | -           | 52.328.638  | 54.204.502    | -        | 676.547        | 98,77      |
| 2. Conoco Phillips Natuna              | 190.273.756      | 61.092.303  | -           | -           | -          | 4.742.298  | -         | -             | -           | 121.321.262 | 187.155.863   | -        | 3.117.893      | 98,36      |
| 3. Star Energi Kakap                   | 20.789.760       | 4.162.229   | -           | -           | -          | -          | -         | -             | -           | 13.242.490  | 17.404.719    | -        | 3.385.041      | 83,72      |
| 4. Kondur Petroleum S.A                | 6.561.883        | 1.381.335   | -           | -           | -          | -          | -         | -             | -           | -           | 1.381.335     | -        | 5.180.548      | 21,05      |
| 5. CNOOC SES                           | 47.646.562       | 13.693.567  | 25.778.280  | -           | -          | -          | -         | -             | -           | -           | 39.471.847    | -        | 8.174.715      | 82,84      |
| 6. Kodeco                              | 39.943.550       | 603.401     | 24.348.805  | 4.834.722   | -          | -          | -         | -             | 8.861.868   | -           | 38.648.796    | -        | 1.294.754      | 96,76      |
| 7. BP-ONWJ/Pertamina Hulu Energi (Phe) | 109.807.940      | 29.451.830  | 39.109.940  | 16.610.380  | -          | -          | -         | -             | 21.384.400  | -           | 106.556.550   | -        | 3.251.390      | 97,04      |
| 8. BP Tangguh                          | 82.427.760       | 10.784.320  | -           | -           | -          | -          | 83.500    | 29.853.100    | -           | -           | 40.720.920    | -        | 41.706.840     | 49,40      |
| 9. Camar Res. Canada                   | 1.192.580        | 99.590      | -           | -           | -          | -          | -         | -             | -           | -           | 99.590        | -        | 1.092.990      | 8,35       |
| 10. Chevron Ind.Co                     | 66.652.122       | 22.911.834  | -           | 8.369.645   | 14.607.588 | 1.313.951  | 215.619   | 17.777.404    | -           | -           | 65.196.041    | -        | 1.456.081      | 97,82      |
| 11. Chevron Makasar                    | 29.742.927       | 11.448.203  | -           | 2.353.536   | -          | 66.034     | -         | 15.699.301    | -           | -           | 29.567.074    | -        | 175.853        | 99,41      |
| 12. Total E & P Indonesia              | 999.606.676      | 52.738.454  | 50.912.525  | 71.553.412  | -          | -          | -         | 812.252.882   | -           | -           | 987.457.273   | 20.095   | 12.129.308     | 98,78      |
| 13. Santos (Madura Offshore)           | 41.790.387       | 502.237     | -           | -           | -          | -          | -         | -             | 41.253.875  | -           | 41.756.112    | -        | 34.275         | 99,92      |
| 14. Santos (Sampang)                   | 6.184.788        | 1.167.671   | 4.658.173   | -           | -          | -          | -         | -             | -           | -           | 5.825.844     | -        | 358.944        | 94,20      |
| 15. Hess (Ujung Pangkah)               | 23.576.163       | 1.197.782   | 21.576.048  | -           | -          | 351.288    | -         | -             | -           | -           | 23.125.118    | -        | 451.045        | 98,09      |
| Sub Total                              | 1.721.077.903    | 213.110.620 | 166.383.771 | 103.721.695 | 14.607.588 | 6.473.571  | 299.119   | 875.582.687   | 71.500.143  | 186.892.390 | 1.638.571.584 | 20.095   | 82.486.224     | 95,21      |
| Total Production Sharing               | 2.663.962.134    | 286.247.724 | 363.123.152 | 154.995.540 | 14.926.685 | 16.167.420 | 4.600.712 | 1.221.501.860 | 187.253.342 | 294.109.004 | 2.542.925.439 | 268.933  | 120.767.761    | 95,46      |
| Grand Total                            | 3.060.467.391    | 329.823.578 | 488.579.698 | 226.171.216 | 30.965.325 | 17.724.430 | 4.600.712 | 1.221.501.860 | 274.416.338 | 294.109.004 | 2.887.892.161 | 451.362  | 172.123.867    | 94,36      |



TABEL 1.2. PRODUKSI MINYAK BUMI DAN KONDENSAT

Table 1.2. Production of Crude Oil and Condensate

Barrels

| No.  | Company                              | Contract Area                 | Annual 2009      |               |                  | Daily Average |            |               |
|------|--------------------------------------|-------------------------------|------------------|---------------|------------------|---------------|------------|---------------|
|      |                                      |                               | Crude Oil        | Condensate    | Total            | Crude Oil     | Condensate | Total         |
| I.   | <b>Pertamina &amp; Mitra</b>         |                               | 45.758.325       | 0             | 45.758.325       | 125.365       | 0          | 125.365       |
| II.  | <b>JOB PSC</b>                       |                               |                  |               |                  |               |            |               |
| A.   | <b>Onshore</b>                       |                               |                  |               |                  |               |            |               |
| 1    | JOB Pertamina - Talisman (OK) Ltd.   | Ogan Komering, Sumsel         | 1.388.053        | 60.363        | 1.448.416        | 3.803         | 165        | 3.968         |
| 2    | JOB Pertamina - Golden Spike         | Pendopo & Raja Block, Sumsel  | 570.251          | 5.005         | 575.256          | 1.562         | 14         | 1.576         |
| 3    | JOB Pertamina - PetroChina East Java | Tuban, Jatim                  | 3.306.671        | 0             | 3.306.671        | 9.059         | 0          | 9.059         |
| 4    | JOB Pertamina - PetroChina Salawati  | Salawati Kelapa Burung, Irija | 1.455.690        | 0             | 1.455.690        | 3.988         | 0          | 3.988         |
| 5    | JOB Pertamina - Medco Tomori Ltd.    | Toili Block, Sulteng          | 790.250          | 0             | 790.250          | 2.165         | 0          | 2.165         |
|      | <b>Sub Total</b>                     |                               | <b>7.510.915</b> | <b>65.368</b> | <b>7.576.283</b> | <b>20.578</b> | <b>179</b> | <b>20.757</b> |
| B.   | <b>Offshore</b>                      |                               |                  |               |                  |               |            |               |
| 1    | JOB Pertamina - Conta Int. Ltd.      | Pantai Gerbang, Sumut         | 17.205           | 0             | 17.205           | 47            | 0          | 47            |
|      | <b>Total JOB PSC</b>                 |                               | <b>7.528.120</b> | <b>65.368</b> | <b>7.593.488</b> | <b>20.625</b> | <b>179</b> | <b>20.804</b> |
| III. | <b>KKKS</b>                          |                               |                  |               |                  |               |            |               |
| A.   | <b>Onshore</b>                       |                               |                  |               |                  |               |            |               |
| 1    | ExxonMobil Oil Ind. Ltd.             | NAD                           | 0                | 2.072.902     | 2.072.902        | 0             | 5.679      | 5.679         |
| 2    | PT Chevron Pacific Indonesia         | Rokan, Riau                   | 136.982.798      | 2.438.574     | 139.421.372      | 375.295       | 6.681      | 381.976       |
| 3    | PT Chevron Pacific Ind. C&T (MFK)    | Mountain Front Kuantan, Riau  | 163.832          | 0             | 163.832          | 449           | 0          | 449           |
| 4    | PT Chevron Pacific Ind. C&T (Siak)   | Siak Block, Riau              | 684.457          | 0             | 684.457          | 1.875         | 0          | 1.875         |
| 5    | Citic Seram Energy LMD.              | Sram Non Bula, Maluku         | 871.642          | 0             | 871.642          | 2.388         | 0          | 2.388         |
| 6    | Conoco Phillips (Grissik) Ltd.       | Corridor, Sumsel              | 476.113          | 3.666.962     | 4.143.075        | 1.304         | 10.046     | 11.351        |
| 7    | Conoco Phillips South Jambi          | Jambi                         | 0                | 42.171        | 42.171           | 0             | 116        | 116           |
| 8    | PetroSelat                           | Riau                          | 121.540          | 0             | 121.540          | 333           | 0          | 333           |
| 9    | Pearl Oil (Tungkal) Ltd.             | Tungkal, Jambi                | 241.588          | 0             | 241.588          | 662           | 0          | 662           |
| 10   | PetroChina Bangko Ltd.               | Blangko, Jambi                | 36.315           | 0             | 36.315           | 99            | 0          | 99            |
| 11   | PT. Medco Lematang                   | Lematang, Sumsel              | 5.953            | 0             | 5.953            | 16            | 0          | 16            |
| 12   | PT. Medco E&P Indonesia              | South & Central Sum. Sumsel   | 3.139.673        | 7.870         | 3.147.543        | 8.602         | 22         | 8.623         |



| No. | C o m p a n y                           | Contract Area                    | Annual 2009 |            | Daily Average |           |            |         |
|-----|-----------------------------------------|----------------------------------|-------------|------------|---------------|-----------|------------|---------|
|     |                                         |                                  | Crude Oil   | Condensate | Total         | Crude Oil | Condensate | Total   |
| 13  | PT. Medco E&P Indonesia                 | Riau, Sumsel                     | 7.363.086   | 0          | 7.363.086     | 20.173    | 0          | 20.173  |
| 14  | Kangean Energy Indonesia Ltd.           | Kangean Block Off. Ons. Jatim    | 680.369     | 97.050     | 777.419       | 1.864     | 266        | 2.130   |
| 15  | PT Vico Indonesia                       | Sanga-Sanga, Kaltim              | 3.478.422   | 2.853.347  | 6.331.769     | 9.530     | 7.817      | 17.347  |
| 16  | PT Medco E&P Tarakan                    | Mamburungan, Kaltim              | 703.366     | 0          | 703.366       | 1.927     | 0          | 1.927   |
| 17  | Kalrez Petroleum (Seram) Ltd.           | Block Bula, Seram, Kaltim        | 163.389     | 0          | 163.389       | 448       | 0          | 448     |
| 18  | PetroChina Int. Bermuda Ltd.            | Kepala Burung, Irijabar          | 2.618.316   | 161.094    | 2.779.410     | 7.173     | 441        | 7.615   |
| 19  | PetroChina Int. Jabung Ltd.             | Jabung, Jambi                    | 3.711.765   | 3.155.973  | 6.867.738     | 10.169    | 8.647      | 18.816  |
| 20  | BOB pertamina Bumi Siak Pusako          | Coastal Plains & Pekanbaru, Riau | 7.253.043   | 0          | 7.253.043     | 19.871    | 0          | 19.871  |
| 21  | Lapindo Brantas Inc.                    | Brantas, Jatim                   | 655         | 0          | 655           | 2         | 0          | 2       |
| 22  | Mobil Cepu Ltd.                         | Cepu, Jatim                      | 1.206.589   | 0          | 1.206.589     | 3.306     | 0          | 3.306   |
|     | Sub Total Onshore                       |                                  | 169.902.911 | 14.495.943 | 184.398.854   | 465.487   | 39.715     | 505.202 |
| B.  | Offshore                                |                                  |             |            |               |           |            |         |
| 1   | Premier Oil Natuna Sea B.V.             | Natuna Sea Block A, Kepri        | 454.854     | 246.049    | 700.903       | 1.246     | 674        | 1.920   |
| 2   | Conoco Phillips Indonesia Ltd.          | South Natuna Sea Block A, Kepri  | 21.863.769  | 0          | 21.863.769    | 59.901    | 0          | 59.901  |
| 3   | Star Energy (Kakap) Ltd.                | Natuna Sea Block B, Kepri        | 977.679     | 312.737    | 1.290.416     | 2.679     | 857        | 3.535   |
| 4   | Kondur Petroleum SA                     | Malacca Strait, Riau             | 3.347.752   | 0          | 3.347.752     | 9.172     | 0          | 9.172   |
| 5   | Pertamina Hulu Energy/BP West Java Ltd. | Block A Off, Jaut Jawa           | 7.381.667   | 1.037.591  | 8.419.258     | 20.224    | 2.843      | 23.066  |
| 6   | CNOOC SES Ltd.                          | South East Sumatera, Laut Jawa   | 15.826.461  | 0          | 15.826.461    | 43.360    | 0          | 43.360  |
| 7   | Kodeco Energy Co. Ltd.                  | West Madura, Jatim               | 5.447.138   | 11.058     | 5.458.196     | 14.924    | 30         | 14.954  |
| 8   | Chevron Indonesia Company               | Bawean Block, Jawa Timur         | 8.168.118   | 809.422    | 8.977.540     | 22.378    | 2.218      | 24.596  |
| 9   | Chevron Makasar Ltd.                    | Makasar Strait                   | 2.511.332   | 55.876     | 2.567.208     | 6.880     | 153        | 7.033   |
| 10  | Total E&P Indonesia                     | Mahakam Block, Kaltim            | 9.438.765   | 27.118.096 | 36.556.861    | 25.860    | 74.296     | 100.156 |
| 11  | Camar Resources Canada                  | Bawean, Jatim                    | 225.269     | 0          | 225.269       | 617       | 0          | 617     |
| 12  | Hess (Indonesia Pangkah) Ltd.           | Pangkah                          | 1.460.742   | 176.318    | 1.637.060     | 4.002     | 483        | 4.485   |
| 13  | Santos (Madura Offs) PTY. Ltd.          | Madura Offshore                  | 1.370.524   | 0          | 1.370.524     | 3.755     | 0          | 3.755   |
| 14  | BP Tangguh                              | Tangguh, Irijabar                | 0           | 321.105    | 321.105       | 0         | 880        | 880     |
|     | Sub Total Offshore                      |                                  | 78.474.070  | 30.088.252 | 108.562.322   | 214.997   | 82.434     | 297.431 |
|     | Total KKKS                              |                                  | 248.376.981 | 44.584.195 | 292.961.176   | 680.485   | 122.148    | 802.633 |
|     | Total Indonesia                         |                                  | 301.663.426 | 44.649.563 | 346.312.989   | 826.475   | 122.328    | 948.803 |



**TABEL 1.3. PRODUKSI LNG**  
**Table 1.3. Production of LNG**

| Plant        | Annual 2009           |                   |                      |                         |                      |
|--------------|-----------------------|-------------------|----------------------|-------------------------|----------------------|
|              | Barrels               | MMSCF             | M3                   | MMBTU                   | M. Ton               |
| 1. Arun      | 30.134.177,58         | 100.889,21        | 4.790.922,00         | 112.581.287,44          | 2.170.287,68         |
| 2. Badak     | 237.916.472,00        | 796.544,33        | 37.825.464,34        | 888.855.939,41          | 17.134.935,35        |
| 3. Tangguh   | 8.715.246,69          | 29.178,65         | 1.385.605,00         | 32.560.161,65           | 627.679,07           |
| <b>Total</b> | <b>276.765.896,27</b> | <b>926.612,19</b> | <b>44.001.991,34</b> | <b>1.033.997.388,50</b> | <b>19.932.902,10</b> |



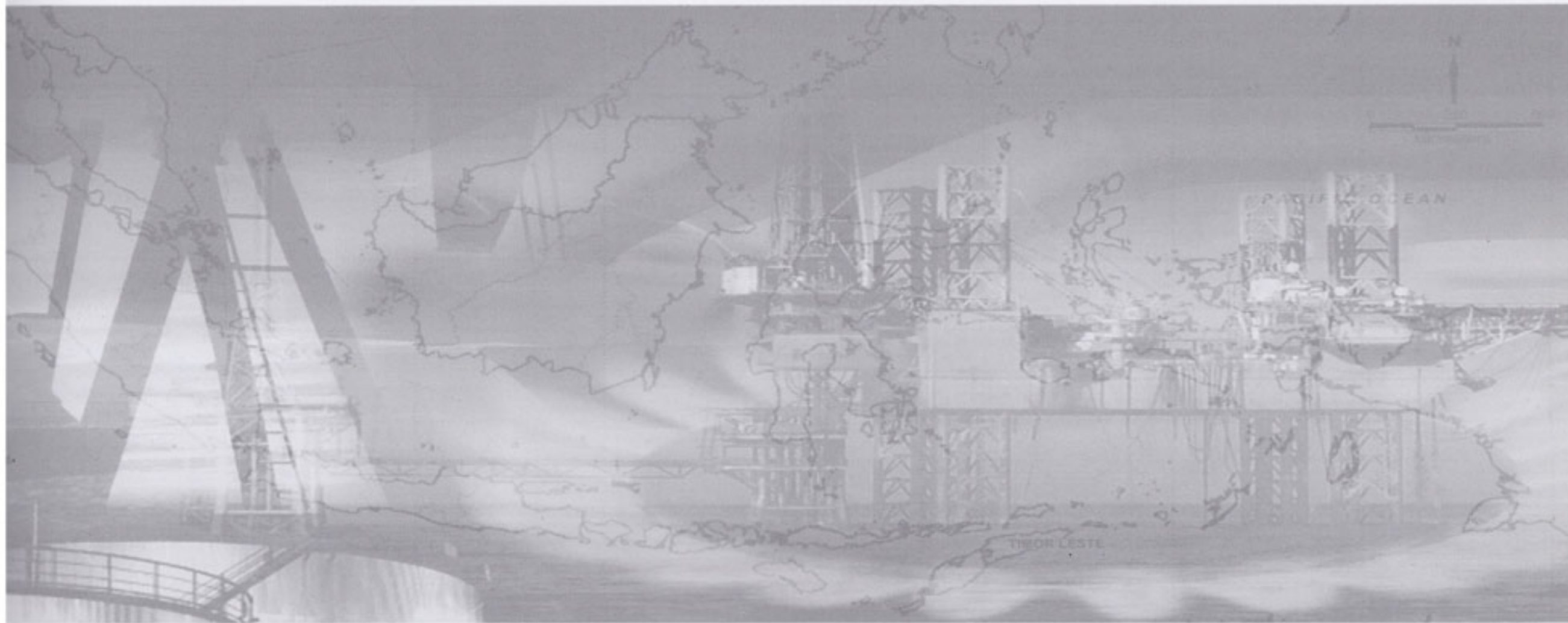
**TABEL 1.4. PRODUKSI LPG**  
**Tabel 1.4. Production of LPG 2009**

| Refinery                        | Propane             |                   | Butane               |                     | Mix                 |                   | Total                |                     |
|---------------------------------|---------------------|-------------------|----------------------|---------------------|---------------------|-------------------|----------------------|---------------------|
|                                 | Barrels             | M. Ton            | Barrels              | M. Ton              | Barrels             | M. Ton            | Barrels              | M. Ton              |
| <b>A. Oil Refinery</b>          |                     |                   |                      |                     |                     |                   |                      |                     |
| 1. Dumai                        | 0,00                | 0,00              | 873.488,00           | 81.254,69           | 0,00                | 0,00              | 873.488,00           | 81.254,69           |
| 2. Musi                         | 0,00                | 0,00              | 945.624,00           | 87.965,01           | 0,00                | 0,00              | 945.624,00           | 87.965,01           |
| 3. Cilacap                      | 0,00                | 0,00              | 1.282.425,00         | 119.295,34          | 0,00                | 0,00              | 1.282.425,00         | 119.295,34          |
| 4. Balikpapan                   | 0,00                | 0,00              | 840.043,00           | 78.143,55           | 0,00                | 0,00              | 840.043,00           | 78.143,55           |
| 5. Balongan                     | 0,00                | 0,00              | 4.177.675,00         | 388.620,93          | 0,00                | 0,00              | 4.177.675,00         | 388.620,93          |
| <b>Sub Total</b>                | <b>0,00</b>         | <b>0,00</b>       | <b>8.119.255,00</b>  | <b>755.279,52</b>   | <b>0,00</b>         | <b>0,00</b>       | <b>8.119.255,00</b>  | <b>755.279,52</b>   |
| <b>B. Gas Refinery</b>          |                     |                   |                      |                     |                     |                   |                      |                     |
| 1. T. Santan (Chevron)          | 391.607,15          | 31.505,00         | 249.747,60           | 22.808,00           | 0,00                | 0,00              | 641.354,75           | 54.313,00           |
| 2. Jabung (PetroChina)          | 3.659.951,35        | 294.445,00        | 2.024.304,60         | 184.868,00          | 0,00                | 0,00              | 5.684.255,95         | 479.313,00          |
| 3. Arar (PetroChina)            | 0,00                | 0,00              | 0,00                 | 0,00                | 24.098,49           | 1.935,00          | 24.098,49            | 1.935,00            |
| 4. Belanak (Conoco Phillips)    | 1.841.504,50        | 148.150,00        | 1.477.702,50         | 134.950,00          | 0,00                | 0,00              | 3.319.207,00         | 283.100,00          |
| 5. Pangkah (Hess)               | 127.407,50          | 10.250,00         | 149.007,60           | 13.608,00           | 0,00                | 0,00              | 276.415,10           | 23.858,00           |
| 6. Bontang (Badak)              | 2.518.907,00        | 231.246,00        | 2.156.822,00         | 204.273,00          | 0,00                | 0,00              | 4.675.729,00         | 435.519,00          |
| 7. Langkat (Maruta B.P.)        | 0,00                | 0,00              | 0,00                 | 0,00                | 91.859,34           | 7.375,92          | 91.859,34            | 7.375,92            |
| 8. Kaji (Medco LPG Kaji)        | 0,00                | 0,00              | 0,00                 | 0,00                | 204.551,70          | 16.424,58         | 204.551,70           | 16.424,58           |
| 9. Prabumulih (Titis S.)        | 0,00                | 0,00              | 0,00                 | 0,00                | 296.286,90          | 23.790,50         | 296.286,90           | 23.790,50           |
| 10. Tugu Barat (Sumber D.K.)    | 0,00                | 0,00              | 0,00                 | 0,00                | 49.674,78           | 3.988,66          | 49.674,78            | 3.988,66            |
| 11. Tambun (Odira E.P.)         | 0,00                | 0,00              | 0,00                 | 0,00                | 407.351,89          | 32.708,42         | 407.351,89           | 32.708,42           |
| 12. Lembak (Surya E.P.)         | 0,00                | 0,00              | 0,00                 | 0,00                | 389.130,60          | 31.245,43         | 389.130,60           | 31.245,43           |
| 13. Cilamaya (Yudhistira H. P.) | 0,00                | 0,00              | 0,00                 | 0,00                | 120.893,86          | 9.707,23          | 120.893,86           | 9.707,23            |
| 14. Cemara (Wahana I. N.)       | 0,00                | 0,00              | 0,00                 | 0,00                | 71.253,81           | 5.721,36          | 71.253,81            | 5.721,36            |
| 15. Gresik (Media Karya S.)     | 0,00                | 0,00              | 0,00                 | 0,00                | 202.860,34          | 16.288,77         | 202.860,34           | 16.288,77           |
| <b>Sub Total</b>                | <b>8.539.377,50</b> | <b>715.596,00</b> | <b>6.057.584,30</b>  | <b>560.507,00</b>   | <b>1.857.961,71</b> | <b>149.185,87</b> | <b>16.454.923,51</b> | <b>1.425.288,87</b> |
| <b>Total</b>                    | <b>8.539.377,50</b> | <b>715.596,00</b> | <b>14.176.839,30</b> | <b>1.315.786,52</b> | <b>1.857.961,71</b> | <b>149.185,87</b> | <b>24.574.178,51</b> | <b>2.180.568,39</b> |

Note: Balongan = Balongan + Mundu



## II. PENGOLAHAN MINYAK/Oil Refining





**TABEL 2.1. PENGOLAHAN MINYAK MENTAH**  
**Table 2.1. Processing of Crude Oil**

Barrels

| Products             | Dumai             | S.Pakning         | Musi              | Cilacap            | Balikpapan        | Balongan          | Kasim            | Cepu           | Total              |
|----------------------|-------------------|-------------------|-------------------|--------------------|-------------------|-------------------|------------------|----------------|--------------------|
| 1 Crude Oil          | 41.678.663        | 14.588.754        | 34.825.265        | 34.822.240         | 40.436.772        | 30.107.408        | 2.651.351        | 492.255        | 199.602.708        |
| 2 Condensate         | 0                 | 0                 | 118.204           | 177.417            | 1.148.955         | 0                 | 0                | 0              | 1.444.576          |
| 3 Imported Crude Oil | 0                 | 0                 | 0                 | 63.560.341         | 47.798.360        | 8.360.453         | 0                | 0              | 119.719.154        |
| 4 Others             | 0                 | 0                 | 0                 | 4.192.623          | 4.051.022         | 1.355.846         | 0                | 0              | 9.599.491          |
| <b>Total</b>         | <b>41.678.663</b> | <b>14.588.754</b> | <b>34.943.469</b> | <b>102.752.621</b> | <b>93.435.109</b> | <b>39.823.707</b> | <b>2.651.351</b> | <b>492.255</b> | <b>330.365.929</b> |



**TABEL 2.2. HASIL PENGOLAHAN MINYAK**  
**Table 2.2. Refined Products**

*Barrels*

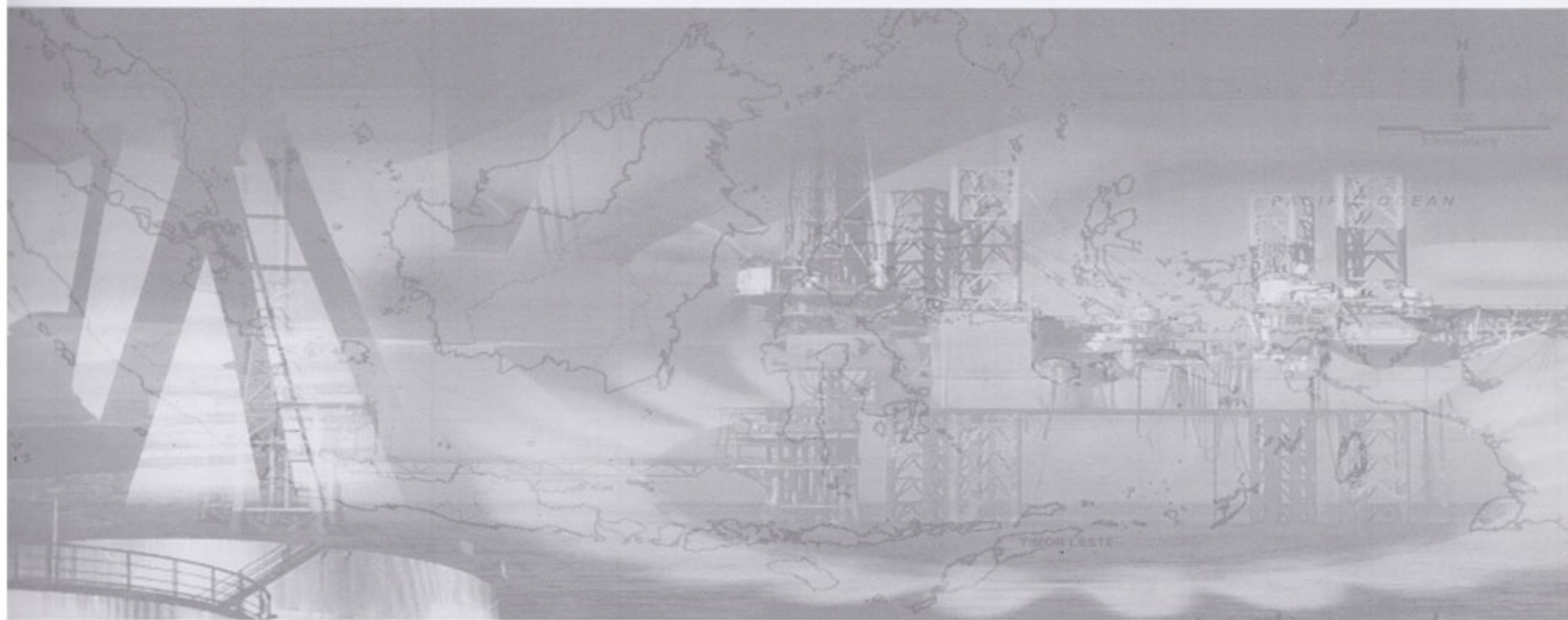
| Products                       | Dumai             | S.Pakning        | Musi              | Cilacap           | Balikpapan        | Balongan          | Kasim            | Cepu           | Total              |
|--------------------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|------------------|----------------|--------------------|
| <b>A. Fuels :</b>              |                   |                  |                   |                   |                   |                   |                  |                |                    |
| 1 Avgas                        | 0                 | 0                | 208               | 0                 | 0                 | 0                 | 0                | 0              | 208                |
| 2 Avtur                        | 3.843.335         | 0                | 808.482           | 6.706.462         | 5.403.367         | 0                 | 0                | 0              | 16.761.646         |
| 3 Premium                      | 6.462.977         | 0                | 6.500.996         | 21.544.372        | 15.997.697        | 23.800.666        | 431.713          | 0              | 74.738.421         |
| 4 Kerosene                     | 4.650.999         | 1.734.929        | 3.080.462         | 7.403.039         | 11.446.883        | 503.587           | 359.779          | 92.946         | 29.272.624         |
| 5 Gas Oil/ADO/HSD              | 23.021.345        | 3.055.696        | 8.535.350         | 27.731.051        | 34.156.708        | 13.403.901        | 774.836          | 135.978        | 110.814.865        |
| 6 Diesel Oil/IDO/MDF           | 28                | 0                | 381.536           | 703.591           | 153.079           | 39.507            | 0                | 0              | 1.277.741          |
| 7 Fuel Oil/DCO/IFO/MFO         | 0                 | 0                | 4.305.346         | 13.270.340        | 3.985             | 794.165           | 0                | 0              | 18.373.836         |
| <b>Sub Total</b>               | <b>37.978.684</b> | <b>4.790.625</b> | <b>23.612.380</b> | <b>77.358.855</b> | <b>67.161.719</b> | <b>38.541.826</b> | <b>1.566.328</b> | <b>228.924</b> | <b>251.239.341</b> |
| <b>B. Bahan Bakar Khusus :</b> |                   |                  |                   |                   |                   |                   |                  |                |                    |
| 1 Pertamina Plus               | 0                 | 0                | 0                 | 0                 | 0                 | 773.712           | 0                | 0              | 773.712            |
| 2 Pertamina                    | 0                 | 0                | 80.148            | 0                 | 192.829           | 2.558.830         | 0                | 0              | 2.831.807          |
| 3 Pertadex                     | 0                 | 0                | 0                 | 0                 | 0                 | 30.652            | 0                | 0              | 30.652             |
| <b>Sub Total</b>               | <b>0</b>          | <b>0</b>         | <b>80.148</b>     | <b>0</b>          | <b>192.829</b>    | <b>3.363.194</b>  | <b>0</b>         | <b>0</b>       | <b>3.636.171</b>   |
| <b>B. Non Fuels :</b>          |                   |                  |                   |                   |                   |                   |                  |                |                    |
| 1 LPG                          | 873.488           | 0                | 965.748           | 1.282.425         | 840.043           | 4.177.675         | 0                | 0              | 8.139.379          |
| 2 Lube Base Oil                | 0                 | 0                | 0                 | 2.772.199         | 0                 | 0                 | 0                | 0              | 2.772.199          |
| 3 Asphalt                      | 0                 | 0                | 0                 | 3.178.425         | 0                 | 0                 | 0                | 0              | 3.178.425          |
| 4 Ready Wax                    | 0                 | 0                | 0                 | 82.465            | 5.142             | 0                 | 0                | 323            | 87.930             |
| 5 Fully Refined Wax            | 0                 | 0                | 0                 | 0                 | (567)             | 0                 | 0                | 0              | -567               |
| 6 Naptha                       | 247.423           | 397.865          | 7.157.501         | 8.238.770         | 7.932.208         | 0                 | 0                | 0              | 23.973.767         |
| 7 LSWR                         | 893.182           | 8.267.929        | 203.465           | 5.274.639         | 16.359.816        | 0                 | 894.993          | 46.403         | 31.940.427         |
| 8 LSFO                         | 0                 | 0                | 4.127.203         | 0                 | 0                 | 0                 | 0                | 0              | 4.127.203          |
| 9 Green Coke                   | 2.029.377         | 178.137          | 0                 | 0                 | 0                 | 0                 | 0                | 0              | 2.207.514          |
| 10 SBPX-40B                    | 0                 | 0                | 97.061            | 0                 | 0                 | 0                 | 0                | 0              | 97.061             |



| Products                 | Dumai             | S.Pakning         | Musi              | Cilacap            | Balikpapan        | Balongan           | Kasim            | Cepu           | Total              |
|--------------------------|-------------------|-------------------|-------------------|--------------------|-------------------|--------------------|------------------|----------------|--------------------|
| 11 Laws/SMT              | 0                 | 0                 | 44.770            | 0                  | 25.117            | 0                  | 0                | 0              | 69.887             |
| 12 SGO/BGO               | 0                 | 0                 | 4.207             | 0                  | 0                 | 0                  | 0                | 0              | 4.207              |
| 13 Smoot Fluid 05        | 0                 | 0                 | 0                 | 0                  | 13.749            | 0                  | 0                | 0              | 13.749             |
| 14 Pertasol CA           | 0                 | 0                 | 0                 | 0                  | 0                 | 0                  | 0                | 25.276         | 25.276             |
| 15 Pertasol CB           | 0                 | 0                 | 0                 | 0                  | 0                 | 0                  | 0                | 29.263         | 29.263             |
| 16 Pertasol CC           | 0                 | 0                 | 0                 | 0                  | 0                 | 0                  | 0                | 23.650         | 23.650             |
| 17 HOMC                  | 0                 | 0                 | 0                 | 0                  | 0                 | 7.179.660          | 318.723          | 0              | 7.498.383          |
| 18 LOMC Produk           | 30.432            | 0                 | 32.953            | 0                  | 0                 | 0                  | 0                | 0              | 63.385             |
| 19 Propylene             | 0                 | 0                 | 0                 | 0                  | 0                 | 2.023.840          | 0                | 0              | 2.023.840          |
| 20 Minarex               | 0                 | 0                 | 0                 | 284.564            | 0                 | 0                  | 0                | 0              | 284.564            |
| 21 Musicool              | 0                 | 0                 | 3.030             | 0                  | 0                 | 0                  | 0                | 0              | 3.030              |
| 22 Unconverted Oil       | 1.773.470         | 165.085           | 0                 | 0                  | 0                 | 0                  | 0                | 0              | 1.938.555          |
| 23 BOD                   | 0                 | 0                 | 0                 | 0                  | 0                 | 0                  | 0                | -378           | -378               |
| 24 Residu 1/Res 30/Res38 | 0                 | 0                 | 0                 | 222                | 0                 | 0                  | 0                | 111.520        | 111.742            |
| 25 Slack Wax             | 0                 | 0                 | 0                 | 87.276             | 0                 | 0                  | 0                | 0              | 87.276             |
| 26 Sulphur               | 0                 | 0                 | 0                 | 21.360             | 0                 | 0                  | 0                | 0              | 21.360             |
| 27 HAP 32                | 0                 | 0                 | 1.804             | 0                  | 0                 | 0                  | 0                | 0              | 1.804              |
| 28 Decant Oil            | 0                 | 0                 | 0                 | 52.847             | 0                 | 1.105.929          | 0                | 0              | 1.158.776          |
| <b>Sub Total</b>         | <b>5.847.372</b>  | <b>9.009.016</b>  | <b>12.637.742</b> | <b>21.275.192</b>  | <b>25.175.508</b> | <b>14.487.104</b>  | <b>1.213.716</b> | <b>236.057</b> | <b>89.881.707</b>  |
| <b>C. Total Products</b> | <b>43.826.056</b> | <b>13.799.641</b> | <b>36.330.270</b> | <b>98.634.047</b>  | <b>92.530.056</b> | <b>56.392.124</b>  | <b>2.780.044</b> | <b>464.981</b> | <b>344.757.219</b> |
| <b>D. Balance</b>        | <b>-2.490.615</b> | <b>1.132.335</b>  | <b>-1.386.801</b> | <b>4.118.574</b>   | <b>905.053</b>    | <b>-16.887.140</b> | <b>190.030</b>   | <b>27.274</b>  | <b>-14.391.290</b> |
| <b>Total</b>             | <b>41.335.441</b> | <b>14.931.976</b> | <b>34.943.469</b> | <b>102.752.621</b> | <b>93.435.109</b> | <b>39.504.984</b>  | <b>2.970.074</b> | <b>492.255</b> | <b>330.365.929</b> |



### III. PENJUALAN DALAM NEGERI/Domestic Sales





**TABEL 3.1. REALISASI PENJUALAN BBM DALAM NEGERI PER SEKTOR**  
**Table 3.1. Domestic Sales Per Sector**

| SEKTOR       | 2005               | 2006              | 2007              | 2008              | 2009              |
|--------------|--------------------|-------------------|-------------------|-------------------|-------------------|
|              | Volume (Kiloliter) |                   |                   |                   |                   |
| RUMAH TANGGA | 11.294.676         | 10.277.896        | 10.243.947        | 7.865.350         | 4.742.542         |
| TRANSPORTASI | 30.317.360         | 28.868.633        | 31.165.081        | 32.694.187        | 34.410.412        |
| INDUSTRI     | 11.988.765         | 9.902.068         | 8.842.533         | 8.440.348         | 10.225.999        |
| LISTRIK      | 9.003.023          | 9.526.189         | 10.465.459        | 11.223.724        | 8.898.056         |
| <b>TOTAL</b> | <b>62.603.824</b>  | <b>58.574.786</b> | <b>60.717.021</b> | <b>60.223.609</b> | <b>58.277.008</b> |

Catatan :

- Realisasi penjualan tidak termasuk Own Use.
- Penjualan BBM harga subsidi dan non subsidi belum diaudit.
- Penjualan Minyak Tanah tahun 2006 dan 2007 untuk Rumah Tangga + TNI/POLRI



Table 3.2. Domestic Sales

| JENIS BBM     | SEKTOR       | 2009       |             | TOTAL      |
|---------------|--------------|------------|-------------|------------|
|               |              | PSO        | KEEKONOMIAN |            |
| PREMIUM       | Sub Total    | 21.080.335 | 254.979     | 21.335.314 |
|               | Transportasi | 21.020.179 | 2.388       | 21.022.567 |
|               | Rumah Tangga | -          | -           | -          |
|               | Industri     | 60.155     | 43.094      | 103.249    |
|               | Listrik      | -          | -           | -          |
|               | ABRI         | -          | 209.497     | 209.497    |
| KEROSENE      | Sub Total    | 4.571.183  | 208.635     | 4.779.818  |
|               | Transportasi | -          | -           | -          |
|               | Rumah Tangga | 4.570.612  | 171.930     | 4.742.542  |
|               | Industri     | 571        | 33.486      | 34.057     |
|               | Listrik      | -          | 2           | 2          |
|               | ABRI         | -          | 3.217       | 3.217      |
| SOLAR         | Sub Total    | 9.693.510  | 14.597.331  | 24.290.841 |
|               | Transportasi | 9.519.683  | 419.403     | 9.939.086  |
|               | Rumah Tangga | -          | -           | -          |
|               | Industri     | 173.827    | 8.106.211   | 8.280.038  |
|               | Listrik      | -          | 5.826.588   | 5.826.588  |
|               | ABRI         | -          | 245.129     | 245.129    |
| M.DIESEL      | Sub Total    | -          | 145.192     | 145.192    |
|               | Transportasi | -          | 15.927      | 15.927     |
|               | Rumah Tangga | -          | -           | -          |
|               | Industri     | -          | 115.361     | 115.361    |
|               | Listrik      | -          | 12.298      | 12.298     |
|               | ABRI         | -          | 1.605       | 1.605      |
| M.BAKAR       | Sub Total    | -          | 4.480.563   | 4.480.563  |
|               | Transportasi | -          | 260.769     | 260.769    |
|               | Rumah Tangga | -          | -           | -          |
|               | Industri     | -          | 1.160.766   | 1.160.766  |
|               | Listrik      | -          | 3.059.028   | 3.059.028  |
|               | ABRI         | -          | -           | -          |
| Avtur         | Sub Total    | -          | 2.760.678   | 2.760.678  |
|               | Transportasi | -          | 2.760.678   | 2.760.678  |
| Avgas         | Sub Total    | -          | 1.687       | 1.687      |
|               | Transportasi | -          | 1.687       | 1.687      |
| Bensin RON 95 | Sub Total    | -          | 142.312     | 142.312    |
|               | Transportasi | -          | 141.950     | 141.950    |
|               | Rumah Tangga | -          | -           | -          |
|               | Industri     | -          | 362         | 362        |
|               | Listrik      | -          | -           | -          |
|               | ABRI         | -          | -           | -          |
| Bensin RON 92 | Sub Total    | -          | 576.536     | 576.536    |
|               | Transportasi | -          | 571.623     | 571.623    |
|               | Rumah Tangga | -          | -           | -          |
|               | Industri     | -          | 4.153       | 4.153      |
|               | Listrik      | -          | -           | -          |
|               | ABRI         | -          | 759         | 759        |
| Dex           | Sub Total    | -          | 2.253       | 2.253      |
|               | Transportasi | -          | 1.941       | 1.941      |
|               | Rumah Tangga | -          | 0           | -          |
|               | Industri     | -          | 312         | 312        |
|               | Listrik      | -          | 0           | -          |
|               | ABRI         | -          | 0           | -          |
| Bio Solar     | Sub Total    | 2.386.967  | 11.166      | 2.398.133  |
|               | Transportasi | 2.330.367  | 133         | 2.330.500  |
|               | Industri     | 56.600     | 9.386       | 65.986     |

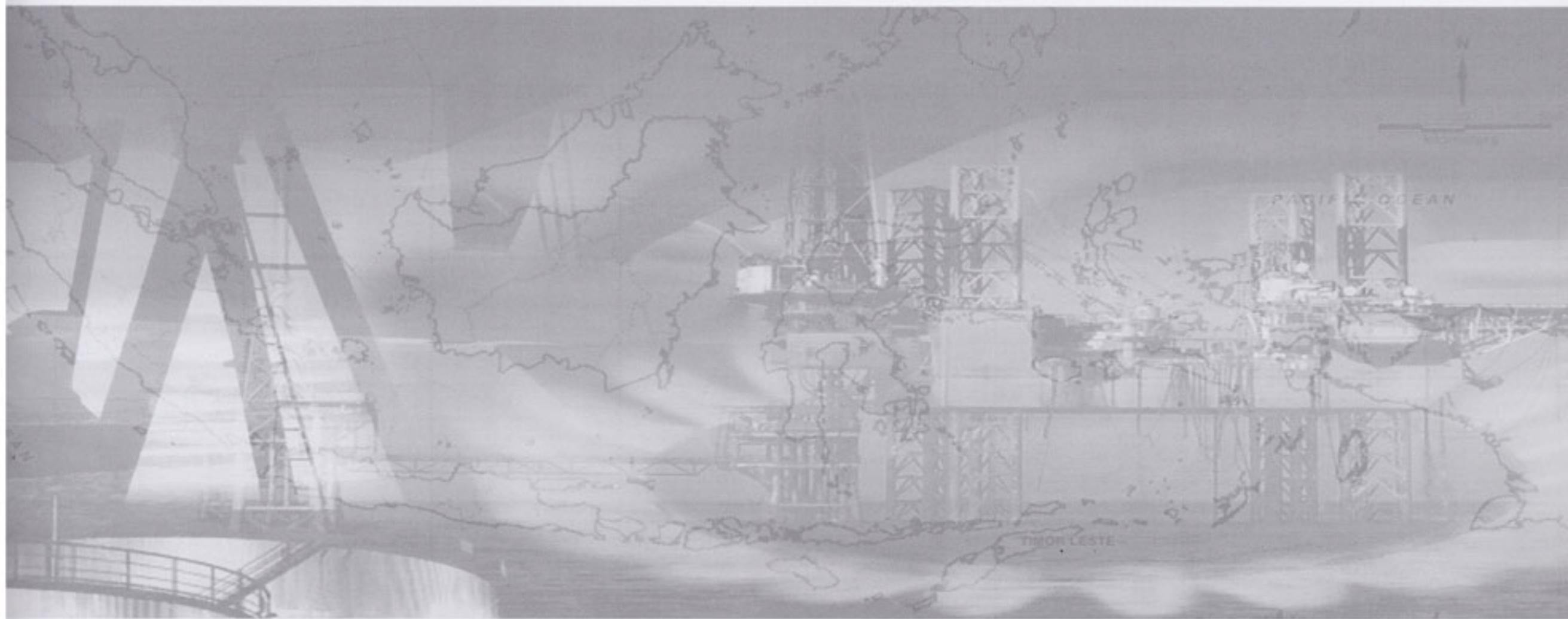


| JENIS BBM     | SEKTOR       | 2009       |             | TOTAL      |
|---------------|--------------|------------|-------------|------------|
|               |              | PSO        | KEEKONOMIAN |            |
|               | Listrik      | -          | 140         | 140        |
|               | ABRI         | -          | 1.507       | 1.507      |
| Bio Premium   | Sub Total    | 105.816    | 0           | 105.816    |
|               | Transportasi | 105.816    | -           | 105.816    |
|               | Rumah Tangga | -          | -           | -          |
|               | Industri     | -          | -           | -          |
|               | Listrik      | -          | -           | -          |
|               | ABRI         | -          | -           | -          |
| Bio Pertamina | Sub Total    | -          | 20.232      | 20.232     |
|               | Transportasi | -          | 20.232      | 20.232     |
|               | Rumah Tangga | -          | -           | -          |
|               | Industri     | -          | -           | -          |
|               | Listrik      | -          | -           | -          |
|               | ABRI         | -          | -           | -          |
| TOTAL         |              | 37.837.811 | 23.201.562  | 61.039.372 |
| SEKTOR        | Transportasi | 32.976.046 | 4.196.731   | 37.172.776 |
|               | Rumah Tangga | 4.570.612  | 171.930     | 4.742.542  |
|               | Industri     | 291.153    | 9.473.131   | 9.764.284  |
|               | Listrik      | -          | 8.898.056   | 8.898.056  |
|               | ABRI         | -          | 461.715     | 461.715    |
| TOTAL         |              | 37.837.811 | 23.201.562  | 61.039.372 |

| SEKTOR       | Jumlah (KL)   | Q (%)  |
|--------------|---------------|--------|
| Transportasi | 37.172.776,39 | 60,90  |
| Rumah Tangga | 4.742.541,60  | 7,77   |
| Industri     | 9.764.283,88  | 16,00  |
| Listrik      | 8.898.055,58  | 14,58  |
| ABRI         | 461.714,96    | 0,76   |
| TOTAL        | 61.039.372,41 | 100,00 |



#### **IV. EKSPOR DAN IMPOR/Export and Import**



**TABEL 4.1. EKSPORT MINYAK MENTAH DAN KONDENSAT**  
**Tabel 4.1. Export of Crude Oil and Condensate**

| BULAN        | PEMERINTAH              |                       | KONTRAKTOR              |                      | PEMERINTAH          |                    | KONTRAKTOR          |                    | DC-GAS XCHNG<br>(BBLs) | NILAI<br>(US\$)    | TOTAL VALUE<br>US\$  |
|--------------|-------------------------|-----------------------|-------------------------|----------------------|---------------------|--------------------|---------------------|--------------------|------------------------|--------------------|----------------------|
|              | MINYAK MENTAH<br>(BBLs) | NILAI<br>(US\$)       | MINYAK MENTAH<br>(BBLs) | NILAI<br>(US\$)      | KONDENSAT<br>(BBLs) | NILAI<br>(US\$)    | KONDENSAT<br>(BBLs) | NILAI<br>(US\$)    |                        |                    |                      |
| JANUARI      | 1.688.555               | 61.781.683            | 4.895.872               | 194.598.912          | 1.182.634           | 46.537.166         | 867.840             | 34.245.304         | 1.390.497              | 46.539.935         | 381.972.981          |
| FEBRUARI     | 1.441.940               | 55.845.685            | 6.553.038               | 270.749.754          | 1.047.224           | 46.679.408         | 819.808             | 36.300.012         | 1.143.321              | 41.365.354         | 436.269.787          |
| MARET        | 1.892.862               | 80.572.689            | 8.635.437               | 388.252.005          | 718.788             | 32.714.283         | 1.250.499           | 49.150.988         | 1.084.099              | 42.225.656         | 595.535.414          |
| APRIL        | 1.365.847               | 63.982.631            | 8.210.319               | 401.754.351          | 241.381             | 12.163.189         | 2.509.537           | 123.032.672        | 1.428.461              | 58.666.893         | 633.123.070          |
| MEI          | 834.007                 | 44.343.018            | 6.593.490               | 365.314.362          | -                   | -                  | 1.018.572           | 54.570.870         | 1.186.245              | 60.795.056         | 513.046.605          |
| JUNI         | 1.009.878               | 66.099.435            | 6.408.720               | 428.859.247          | 238.702             | 15.837.878         | 877.262             | 54.610.583         | 1.490.738              | 92.902.792         | 637.562.691          |
| JULI         | 1.260.647               | 76.017.480            | 5.426.378               | 349.601.399          | -                   | -                  | 1.187.207           | 48.471.377         | 1.193.983              | 71.734.499         | -                    |
| AGUSTUS      | 1.204.907               | 82.705.336            | 7.672.075               | 542.076.002          | 232.017             | 15.863.002         | 575.047             | 41.092.859         | 1.002.791              | 66.164.150         | 732.400.852          |
| SEPTEMBER    | 1.670.044               | 105.749.226           | 6.770.659               | 443.794.523          | 249.978             | 16.198.574         | 963.657             | 63.065.302         | 1.150.841              | 71.478.735         | 700.286.360          |
| OKTOBER      | 2.215.347               | 150.994.301           | 6.851.874               | 488.648.209          | 8.821               | 526.525            | 1.514.007           | 102.895.846        | 1.136.706              | 76.227.504         | 819.292.386          |
| NOVEMBER     | 770.087                 | 58.120.223            | 6.735.492               | 507.907.531          | -                   | -                  | 1.443.377           | 107.700.531        | 977.336                | 69.371.309         | 743.099.595          |
| DESEMBER     | 1.761.995               | 123.925.866           | 7.839.682               | 576.613.902          | 1.232.780           | 64.119.148         | 925.885             | -                  | 1.282.340              | 91.995.072         | 925.988.622          |
| <b>TOTAL</b> | <b>17.116.116</b>       | <b>970.137.572,77</b> | <b>82.593.036</b>       | <b>4.958.170.196</b> | <b>5.152.325</b>    | <b>250.639.173</b> | <b>13.952.698</b>   | <b>715.136.345</b> | <b>14.467.358</b>      | <b>789.466.955</b> | <b>7.118.578.364</b> |

Grand Total **133.281.533**



**TABEL 4.2. EKSPORT PRODUK KILANG 2009**  
**Table 4.2. Export Of Refinery Product 2009**

| No | Product         | Unit       | Jan          | Feb          | Mar          | Apr          | May          | Jun          | Jul          | Aug          | Sep          | Oct          | Nov          | Dec          | Total                |
|----|-----------------|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------------|
| 1  | LSWR            | Qty (Bbls) | 1.173.981,04 | 2.420.437,46 | 2.182.412,58 | 2.442.686,55 | 2.043.832,73 | 2.378.107,74 | 2.788.113,49 | 1.503.600,14 | 1.504.252,26 | 1.531.979,72 | 1.979.820,80 | 2.980.543,00 | <b>24.929.767,49</b> |
| 2  | Naphta          | Qty (Bbls) | 447.868,26   | 490.206,25   | 422.538,24   | 87.702,61    | 87.516,36    | 0,00         | 687.779,28   | 848.367,00   | 1.000.116,72 | 883.172,40   | 692.810,61   | 786.127,62   | <b>6.434.205,35</b>  |
| 3  | Vacuum Residue  | Qty (Bbls) | 367.361,77   | 413.952,76   | 362.599,99   | 270.783,39   | 258.718,36   | 241.711,18   | 315.979,39   | 310.744,05   | 527.398,81   | 448.308,38   | 418.518,45   | 341.260,76   | <b>4.277.337,28</b>  |
| 4  | Decant Oil      | Qty (Bbls) | 0,00         | 200.607,97   | 198.742,16   | 217.796,01   | 201.208,71   | 227.114,35   | 219.961,81   | 397.557,26   | 195.896,61   | 173.839,93   | 174.722,29   | 434.325,93   | <b>2.641.773,00</b>  |
| 5  | Petroleum Cokes | Qty (MT)   | 0,00         | 3.059,00     | 0,00         | 54,00        | 312,00       | 354,00       | 0,00         | 0,00         | 0,00         | 0,00         | 0,00         | 0,00         | <b>3.779,00</b>      |
| 6  | Slack Wax       | Qty (Kgs)  | 2.312.390,00 |              |              |              |              |              | 366.510,00   | 603.650,00   | 351.290,00   | 0,00         | 0,00         | 0,00         | <b>3.633.840,00</b>  |

**TABEL 4.3. EKSPOR BBM INDONESIA**  
**Table 4.3. Export of Fuels**

KIROLITER

| No. | JENIS BBM    | TOTAL            |                   |                   |                   |                   |
|-----|--------------|------------------|-------------------|-------------------|-------------------|-------------------|
|     |              | 2005             | 2006              | 2007              | 2008              | 2009              |
| 1   | Premium      | 8.142,46         | 5.885,35          | 7.544,54          | 6.113,29          | 20.710,56         |
| 2   | Minyak Tanah | 78,11            | -                 | 117,61            | -                 | 68.905,03         |
| 3   | Minyak Solar | 18.263,15        | 12.465,85         | 157.107,27        | 295.853,17        | 120.759,07        |
| 4   | Minyak Bakar | -                | 135.351,50        | 89.646,61         | 10.189,52         | 48.263,81         |
|     | <b>TOTAL</b> | <b>26.483,72</b> | <b>153.702,70</b> | <b>254.416,03</b> | <b>312.155,98</b> | <b>258.638,47</b> |



**TABEL 4.4. EKSPOR LPG**  
**Table 4.4. Export of LPG in 2009**

Destination : Timor Leste

| Month        | Volume (Ton)  |
|--------------|---------------|
| Jan          | 20,40         |
| Feb          | 11,00         |
| Mar          | 20,40         |
| Apr          | 0,00          |
| May          | 20,40         |
| Jun          | 40,80         |
| Jul          | 0,00          |
| Aug          | 0,00          |
| Sep          | 0,00          |
| Oct          | 0,00          |
| Nov          | 0,00          |
| Dec          | 0,00          |
| <b>Total</b> | <b>113,00</b> |

**TABEL 4.5. EKSPORT LNG**  
**Table 4.5. Export of LNG**

**Total Export of LNG in 2009**

| MONTH        | CARGO      | TOTAL VOLUME DELIVERY |                   |                       | PURCHASE VALUE          |
|--------------|------------|-----------------------|-------------------|-----------------------|-------------------------|
|              |            | MMBTU                 | M. CUBIC          | M. TONS               | USD                     |
| Januari      | 33         | 89.225.820            | 3.731.502         | 1.728.195,370         | 530.055.066,43          |
| Februari     | 28         | 75.954.770            | 3.184.085         | 1.470.620,898         | 455.301.715,19          |
| Maret        | 33         | 91.526.920            | 3.832.397         | 1.772.632,370         | 580.151.578,02          |
| April        | 29         | 79.642.140            | 3.338.704         | 1.541.942,040         | 504.172.371,67          |
| Mei          | 29         | 82.824.020            | 3.467.052         | 1.603.937,237         | 537.708.138,03          |
| Juni         | 30         | 84.832.100            | 3.567.580         | 1.641.067,365         | 636.041.449,66          |
| Juli         | 31         | 84.643.605            | 3.327.430         | 1.794.953,481         | 719.228.595,08          |
| Agustus      | 34         | 91.062.293            | 3.768.801         | 1.819.684,736         | 761.445.208,86          |
| September    | 27         | 80.415.070            | 3.419.477         | 1.551.348,328         | 778.712.032,09          |
| Oktober      | 32         | 86.605.070            | 3.580.969         | 1.732.618,309         | 754.399.563,55          |
| Nopember     | 31         | 86.956.230            | 3.569.032         | 1.755.217,887         | 837.435.479,48          |
| Desember     | 36         | 95.405.040            | 3.602.231         | 2.111.350,043         | 898.507.980,08          |
| <b>TOTAL</b> | <b>373</b> | <b>1.029.093.078</b>  | <b>42.389.260</b> | <b>20.523.568,064</b> | <b>7.993.159.178,14</b> |

Note: - Source: Arun, Bontang, Tangguh  
 - Destination Country: Japan, Taiwan, Korea, China, India



**TABEL 4.6. IMPOR INDONESIA**  
**Table 4.6. Indonesian Import**

| Barrel |             |                |                |                |                |                |
|--------|-------------|----------------|----------------|----------------|----------------|----------------|
| No     | Jenis BBM   | 2005           | 2006           | 2007           | 2008           | 2009           |
|        |             | Volume         |                |                |                |                |
| 1      | GASOIL      | 91.008.539,20  | 68.218.114,41  | 77.780.160,82  | 77.251.494,88  | 53.487.832,65  |
| 2      | KEROSENE    | 16.379.446,54  | 5.413.987,42   | 6.791.358,49   | 2.093.054,00   | -              |
| 3      | FUEL OIL    | 9.388.693,93   | 10.577.304,75  | 13.602.866,42  | 16.163.852,66  | 12.004.964,75  |
| 4      | GASOLINE 88 | 39.005.003,33  | 36.737.440,25  | 44.458.138,36  | 53.910.168,51  | 64.546.467,73  |
| 5      | AVTUR       | 4.112.631,88   | 5.004.746,09   | 7.393.124,00   | 4.834.922,95   | 1.075.367,00   |
| 6      | AVGAS       | -              | -              | -              | -              | 5.898,07       |
| 7      | HOMC 92     | 6.786.666,03   | 6.931.509,30   | 1.137.204,10   | 278.188,05     | 7.776.032,35   |
| 8      | HOMC 95     | -              | 349.901,00     | 245.613,26     | 108.100,00     | 203.484,72     |
| 9      | HOMC 97     | -              | -              | -              | -              | 199.989,00     |
| 10     | DIESEL      | -              | -              | 47.729,56      | 176.343,74     | 52.980,50      |
|        | TOTAL       | 166.680.980,92 | 133.233.003,23 | 151.456.195,01 | 154.816.124,79 | 139.353.016,77 |



TABEL 4.7. HARGA MINYAK MENTAH INDONESIA

Table 4.7. Crude Oil Price of Indonesia

US\$/Barrels

| No. | Crude Oil                  | 2 0 0 9 |       |       |       |       |       |       |       |       |       |       |       |
|-----|----------------------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |                            | Jan.    | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |
| 1   | SLC                        | 44,66   | 44,70 | 48,51 | 53,45 | 61,44 | 72,13 | 67,01 | 75,22 | 68,91 | 75,45 | 80,07 | 78,13 |
| 2   | Arjuna                     | 41,99   | 43,12 | 48,15 | 50,37 | 57,07 | 68,45 | 64,52 | 71,38 | 66,90 | 72,04 | 76,15 | 74,01 |
| 3   | Attaka                     | 43,72   | 44,38 | 48,72 | 51,58 | 58,49 | 70,11 | 66,40 | 74,01 | 68,31 | 73,45 | 78,00 | 75,74 |
| 4   | Cinta                      | 38,88   | 41,28 | 45,40 | 51,01 | 56,30 | 66,10 | 62,91 | 70,38 | 65,63 | 70,52 | 75,29 | 73,20 |
| 5   | Duri                       | 33,74   | 36,18 | 38,95 | 41,07 | 51,25 | 62,32 | 60,08 | 65,98 | 62,11 | 67,06 | 70,98 | 71,74 |
| 6   | Widuri                     | 39,55   | 40,76 | 43,66 | 50,62 | 56,33 | 66,19 | 62,96 | 71,50 | 65,79 | 70,64 | 75,37 | 73,25 |
| 7   | Belida                     | 43,18   | 43,81 | 48,16 | 51,45 | 58,09 | 69,24 | 65,82 | 73,23 | 68,36 | 73,24 | 77,62 | 75,45 |
| 8   | Senipah Condensate         | 38,41   | 43,89 | 47,76 | 50,39 | 55,11 | 66,35 | 63,49 | 71,46 | 66,56 | 70,48 | 74,95 | 75,09 |
| 9   | Anoa                       | 44,12   | 44,78 | 49,12 | 51,98 | 58,89 | 70,51 | 66,80 | 74,41 | 68,71 | 73,85 | 78,40 | 76,14 |
| 10  | Arimbi                     | 40,84   | 41,97 | 47,00 | 49,22 | 55,92 | 67,30 | 63,37 | 70,23 | 65,75 | 70,89 | 75,00 | 72,86 |
| 11  | Arun condensate            | 38,41   | 43,89 | 47,76 | 50,39 | 55,11 | 66,35 | 63,49 | 71,46 | 66,56 | 70,48 | 74,95 | 75,09 |
| 12  | Badak                      | 43,72   | 44,38 | 48,72 | 51,58 | 58,49 | 70,11 | 66,40 | 74,01 | 68,31 | 73,45 | 78,00 | 75,74 |
| 13  | Bekapai                    | 43,72   | 44,38 | 48,72 | 51,58 | 58,49 | 70,11 | 66,40 | 74,01 | 68,31 | 73,45 | 78,00 | 75,74 |
| 14  | Belanak                    | 37,03   | 38,16 | 43,19 | 45,41 | 52,11 | 63,49 | 59,56 | 66,42 | 61,94 | 67,08 | 71,19 | 69,05 |
| 15  | Bentayan                   | 42,70   | 42,74 | 46,55 | 51,49 | 59,48 | 70,17 | 65,05 | 73,26 | 66,95 | 73,49 | 78,11 | 76,17 |
| 16  | Bontang Return Cond. (BRC) | 40,58   | 44,84 | 44,53 | 47,35 | 52,01 | 63,86 | 60,92 | 68,37 | 64,80 | 67,20 | 74,21 | 76,28 |
| 17  | Bula                       | 33,24   | 35,68 | 38,45 | 40,57 | 50,75 | 61,82 | 59,58 | 64,48 | 61,61 | 66,56 | 70,48 | 71,24 |
| 18  | Bunyu                      | 44,66   | 44,70 | 48,51 | 53,45 | 61,44 | 72,13 | 67,01 | 75,22 | 68,91 | 75,45 | 80,07 | 78,13 |
| 19  | Camar                      | 42,37   | 43,50 | 48,53 | 50,75 | 57,45 | 68,83 | 64,90 | 71,76 | 67,28 | 72,42 | 76,53 | 74,39 |
| 20  | Cepu                       | 43,65   | 43,69 | 47,50 | 52,44 | 60,43 | 71,12 | 66,00 | 74,21 | 67,90 | 74,44 | 79,06 | 77,12 |
| 21  | Geragai                    | 44,85   | 44,89 | 48,70 | 53,64 | 61,63 | 72,32 | 67,20 | 75,41 | 69,10 | 75,64 | 80,26 | 78,32 |
| 22  | Geragai Condensate         | 40,32   | 44,58 | 44,27 | 47,09 | 51,75 | 63,60 | 60,66 | 68,11 | 64,54 | 66,94 | 73,95 | 76,02 |
| 23  | Handil Mix                 | 42,14   | 43,27 | 48,30 | 50,52 | 57,22 | 68,60 | 64,67 | 71,53 | 67,05 | 72,19 | 76,30 | 74,16 |
| 24  | Jambi                      | 44,85   | 44,89 | 48,70 | 53,64 | 61,63 | 72,32 | 67,20 | 75,41 | 69,10 | 75,64 | 80,26 | 78,32 |
| 25  | Jatibarang                 | 44,66   | 44,70 | 48,51 | 53,45 | 61,44 | 72,13 | 67,01 | 75,22 | 68,91 | 75,45 | 80,07 | 78,13 |
| 26  | Kaji                       | 45,06   | 45,10 | 48,91 | 53,85 | 61,84 | 72,53 | 67,41 | 75,62 | 69,31 | 75,85 | 80,47 | 78,53 |
| 27  | Kerapu                     | 42,84   | 43,47 | 47,82 | 51,11 | 57,75 | 68,90 | 65,48 | 72,89 | 68,02 | 72,90 | 77,28 | 75,11 |



| No. | Crude Oil                   | 2 0 0 9      |              |              |              |              |              |              |              |              |              |              |              |
|-----|-----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|     |                             | Jan.         | Feb.         | Mar.         | Apr.         | May          | June         | July         | Aug.         | Sep.         | Oct.         | Nov.         | Dec.         |
| 28  | Klamono                     | 33,24        | 35,68        | 38,45        | 40,57        | 50,75        | 61,82        | 59,58        | 65,48        | 61,61        | 66,56        | 70,48        | 71,24        |
| 29  | Komp.P.Slt/Tap/Jene/Serdang | 44,66        | 44,70        | 48,51        | 53,45        | 61,44        | 72,13        | 67,01        | 75,22        | 68,91        | 75,45        | 80,07        | 78,13        |
| 30  | Lalang                      | 44,71        | 44,75        | 48,56        | 53,50        | 61,49        | 72,18        | 67,06        | 75,27        | 68,96        | 75,50        | 80,12        | 78,18        |
| 31  | Langsa                      | 43,32        | 43,98        | 48,32        | 51,18        | 58,09        | 69,71        | 66,00        | 73,61        | 67,91        | 73,05        | 77,60        | 75,34        |
| 32  | Lirik                       | 44,45        | 44,59        | 48,40        | 53,34        | 61,33        | 72,02        | 66,90        | 75,11        | 68,80        | 75,34        | 79,96        | 78,02        |
| 33  | Madura                      | 42,12        | 43,25        | 48,28        | 50,50        | 57,20        | 68,58        | 64,65        | 71,51        | 67,03        | 72,17        | 76,28        | 74,14        |
| 34  | Mengoepeh                   | 44,85        | 44,89        | 48,70        | 53,64        | 61,63        | 72,32        | 67,20        | 75,41        | 69,10        | 75,64        | 80,26        | 78,32        |
| 35  | Meslu                       | 40,55        | 41,21        | 45,55        | 48,41        | 55,32        | 66,94        | 63,23        | 70,84        | 65,14        | 70,28        | 74,83        | 72,57        |
| 36  | Mudi Mix                    | 41,85        | 42,82        | 47,85        | 50,07        | 56,77        | 68,15        | 64,22        | 71,08        | 66,60        | 71,74        | 75,85        | 73,71        |
| 37  | NSC/Katapa/Arbei            | 43,61        | 44,27        | 48,61        | 51,47        | 58,38        | 70,00        | 66,29        | 73,90        | 68,20        | 73,34        | 77,89        | 75,63        |
| 38  | Pagerungan Kondensate       | 37,66        | 43,14        | 47,01        | 49,64        | 54,36        | 65,60        | 62,74        | 70,71        | 65,81        | 69,73        | 74,20        | 74,34        |
| 39  | Pam. Sanga-Sanga Mix        | 44,76        | 44,80        | 48,61        | 53,55        | 61,54        | 72,23        | 67,11        | 75,32        | 69,01        | 75,55        | 80,17        | 78,23        |
| 40  | Ramba/Tempino               | 44,85        | 44,89        | 48,70        | 53,64        | 61,63        | 72,32        | 67,20        | 75,41        | 69,10        | 75,64        | 80,26        | 78,32        |
| 41  | Rimau                       | 44,56        | 44,60        | 48,41        | 53,35        | 61,34        | 72,03        | 66,91        | 75,12        | 68,81        | 75,35        | 79,97        | 78,03        |
| 42  | Sangatta                    | 44,66        | 44,70        | 48,51        | 53,45        | 61,44        | 72,13        | 67,01        | 75,22        | 68,91        | 75,45        | 80,07        | 78,13        |
| 43  | Selat Panjang               | 44,66        | 44,70        | 48,51        | 53,45        | 61,44        | 72,13        | 67,01        | 75,22        | 68,91        | 75,45        | 80,07        | 78,13        |
| 44  | Sepinggan Yakin Mix         | 41,99        | 43,12        | 48,15        | 50,37        | 57,07        | 68,45        | 64,52        | 71,38        | 66,90        | 72,04        | 76,15        | 74,01        |
| 45  | Sounth Jambi Condensate     | 36,47        | 41,95        | 45,82        | 48,45        | 53,17        | 64,41        | 61,55        | 69,52        | 64,62        | 68,54        | 73,01        | 73,15        |
| 46  | Tanjung                     | 44,85        | 44,89        | 48,70        | 53,64        | 61,63        | 72,32        | 67,20        | 75,41        | 69,10        | 75,64        | 80,26        | 78,32        |
| 47  | Tiaka                       | 30,74        | 33,18        | 35,95        | 38,07        | 48,25        | 59,32        | 57,08        | 62,98        | 59,11        | 64,06        | 67,98        | 68,74        |
| 48  | Udang                       | 44,74        | 44,78        | 48,59        | 53,53        | 61,52        | 72,21        | 67,09        | 75,30        | 68,99        | 75,53        | 80,15        | 78,21        |
| 49  | Walio Mix                   | 44,46        | 44,50        | 48,31        | 53,25        | 61,24        | 71,93        | 66,81        | 75,02        | 68,71        | 75,25        | 79,87        | 77,93        |
| 50  | West Seno                   | 43,07        | 43,73        | 48,07        | 50,93        | 57,84        | 69,46        | 65,75        | 73,36        | 67,66        | 72,80        | 77,35        | 75,09        |
|     | <b>A v e r a g e</b>        | <b>41,89</b> | <b>43,10</b> | <b>46,95</b> | <b>50,62</b> | <b>57,86</b> | <b>68,91</b> | <b>64,85</b> | <b>72,45</b> | <b>67,07</b> | <b>72,53</b> | <b>77,08</b> | <b>75,58</b> |