



GOVERNMENT OF THE REPUBLIC OF TRINIDAD AND TOBAGO  
MINISTRY OF ENERGY AND ENERGY INDUSTRIES

# CONSOLIDATED MONTHLY BULLETINS

## JANUARY - DECEMBER 2018



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Please note that totals may not be the exact sum of components due to rounding up/down.

Image on Cover Page : Petroleum Company of Trinidad and Tobago Refinery at Pointe-a-Pierre [Source : [www.cnc3.co.tt](http://www.cnc3.co.tt)]

## LIST OF ABBREVIATIONS USED

### Company and Facility Names

|                  |   |                |   |
|------------------|---|----------------|---|
| ALNG             | - Atlantic LNG                                      | NUTRIEN (Urea) | - Nutrien Urea Plant  |
| ATLAS            | - Atlas Methanol Plant                              | PCSL           | - Petroleum Contracting Services Limited                    |
| AUM-NH3          | - Ammonia Plant from AUM Complex                    | PERENCO        | - Perenco Trinidad & Tobago                                 |
| AVDWL            | - A&V Drilling and Workover Limited                 | PLNL           | - Point Lisas Nitrogen Ltd (formerly Farmland MissChem Ltd) |
| AVOGL            | - A&V Oil & Gas Ltd                                 | POGTL          | - Primera Oil & Gas T'dad Ltd                               |
| BHP              | - BHP Billiton (Trinidad) Limited                   | PPGPL          | - Phoenix Park Gas Processors Ltd                           |
| BOLT             | - Beach Oilfield Trinidad Limited                   | PRIM           | - Primera Oil and Gas Ltd (formerly PCOL)                   |
| BPTT             | - BP Trinidad and Tobago LLC                        | PTRIN          | - Petroleum Company of Trinidad and Tobago Ltd              |
| CMC (M2)         | - Caribbean Methanol Company Ltd (& Plant)          | RALCOFF        | - Ralph Coffman Rig   |
| CNC              | - Caribbean Nitrogen Company Ltd (& Plant)          | REXLII         | - Rowan EXL II Rig  |
| DEEP INV         | Deepwater Invictus                                  | RG VI          | - Rowan Gorilla VI  |
| DE NOVO          | - De Novo Energy                                    | RPTTL          | - Rocky Point T&T Ltd                                       |
| DOV              | - Diamond Ocean Victory Rig                         | RRDSL          | - Range Resources Drilling Services Ltd                     |
| EOG              | - EOG Resources Trinidad Ltd                        | SHELL          | - Shell Trinidad Ltd  |
| EOGUA            | - EOG Resources Trinidad Block U (a) Unlimited      | TEPGL          | - Trinity Exploration & Production (Galeota)Ltd             |
| FETL             | - Fram Exploration Trinidad Limited                 | TEPL           | - Trinity Exploration & Production Ltd (Oilbelt)            |
| HPCL             | - Heritage Petroleum Co Ltd                         | TETL           | - Touchstone Exploration (Trinidad) Ltd                     |
| HPCL ( Offshore) | - Formerly Petrotrin Trinmar                        | TITAN          | - Titan Methanol Plant                                      |
| JOEDOUG          | - Joe Douglas Rig                                   | TMAR           | - Trinmar Strategic Business Unit, Petrotrin                |
| LOL              | - Lease Operators Ltd                               | TRINGEN I & II | - Trinidad Nitrogen Company Ltd Plants I & II               |
| MIV (M4)         | - Methanol IV Company Ltd Plant                     | TTMC I (M1)    | - Trinidad and Tobago Methanol Company Ltd Plant I          |
| M5000 (M5)       | - M5000 Methanol Plant                              | TTMC II (M3)   | - Trinidad and Tobago Methanol Company Ltd Plant II         |
| MAERSK DEV       | Maersk Developer                                    | TWSC           | - Tallon Well Services Company                              |
| MEPR             | - Massy Energy Production Resources                 | WSL            | - Well Services Petroleum Company Limited                   |
| N2000            | - Nitrogen 2000 Unlimited                           | WWL            | - Walkerwell Limited  |
| NGC              | - The National Gas Company of Trinidad & Tobago Ltd | YARA           | - Yara Trinidad Ltd   |
| NHETT            | - New Horizon Energy Trinidad and Tobago Ltd        |                |   |
| NUTRIEN 1,2,3,4  | - Nutrien Ammonia Plants 1, 2, 3, 4 (Formerly PCS)  |                |   |

## LIST OF ABBREVIATIONS USED

### Units

|                |   |
|----------------|---|
| BBLs           | - Barrels                                 |
| BCPD           | - Barrels of condensate per day           |
| BOPD           | - Barrels of oil per day                  |
| BPCD           | - Barrels per calendar day                |
| FT (or ft)     | - Feet                                    |
| M <sup>3</sup> | - Cubic Metres                            |
| MMBTU          | - Millions of British Thermal Units       |
| MMSCF          | - Millions of Standard Cubic feet         |
| MMSCF/D        | - Millions of Standard Cubic Feet per day |
| MSCF           | - Thousands of Standard Cubic Feet        |
| MT             | - Metric Tonnes                           |

### Products

|                 |                           |
|-----------------|---------------------------|
| CNG             | - Compressed Natural Gas  |
| LNG             | - Liquefied Natural Gas   |
| LPG             | - Liquefied Petroleum Gas |
| NGLs            | - Natural Gas Liquids     |
| NH <sub>3</sub> | - Ammonia                 |
| UAN             | - Urea Ammonium Nitrate   |

### Other

|      |  |      |                           |
|------|--|------|---------------------------|
| ATD  | - Authorised Total Depth                     | LO   | - Lease Operators         |
| CB   | - Central Block                              | NCMA | - North Coast Marine Area |
| DEV  | - Development                                | PAP  | - Pointe-a-Pierre         |
| ECMA | - East Coast Marine Area                     | ST   | - Sidetrack               |
| EXPL | - Exploration                                | TD   | - Total Depth             |
| FO   | - Farmouts                                   | wef  | - with effect from        |
| IPSC | - Incremental Production Service Contract(s) | wo   | - workover                |
| KOP  | - Kick-off Point                             |      |                           |

**TABLE 1A - CRUDE OIL & CONDENSATE PRODUCTION IN 2018 (BOPD)**

|                 | SHELL<br>ECMA | BPTT         | HPCL<br>( Offshore) | HPCL<br>( Land) | HPCL<br>(LO) | HPCL<br>(IPSC) | HPCL<br>(FO) | TEPGL        | PRIM       | EOG          | BOLT     | DENOVO    | TEPL       | SHELL<br>CB | MEPR      | NHETT     | BHP          | PERENCO       | SUBTOTAL      |               | TOTAL         |
|-----------------|---------------|--------------|---------------------|-----------------|--------------|----------------|--------------|--------------|------------|--------------|----------|-----------|------------|-------------|-----------|-----------|--------------|---------------|---------------|---------------|---------------|
|                 |               |              |                     |                 |              |                |              |              |            |              |          |           |            |             |           |           |              |               | LAND          | MARINE        |               |
| Jan-18          | 417           | 9,585        | 20,103              | 11,743          | 6,302        | 2,301          | 628          | 1,076        | 281        | 1,665        | 0        | 0         | 245        | 461         | 58        | 67        | 5,547        | 8,547         | 21,842        | 47,185        | <b>69,027</b> |
| Feb-18          | 390           | 8,202        | 19,072              | 11,833          | 6,083        | 2,220          | 584          | 1,052        | 273        | 1,571        | 0        | 0         | 236        | 419         | 83        | 67        | 5,937        | 11,595        | 21,561        | 48,055        | <b>69,617</b> |
| Mar-18          | 386           | 7,382        | 19,025              | 12,657          | 6,040        | 988            | 543          | 1,044        | 281        | 1,547        | 1        | 0         | 253        | 393         | 75        | 56        | 4,066        | 11,147        | 21,035        | 44,850        | <b>65,885</b> |
| Apr-18          | 222           | 6,764        | 19,513              | 12,711          | 7,036        | 1,018          | 655          | 1,068        | 287        | 1,479        | 3        | 0         | 233        | 461         | 68        | 67        | 4,980        | 12,188        | 22,307        | 46,447        | <b>68,753</b> |
| May-18          | 323           | 6,087        | 18,079              | 12,617          | 6,713        | 988            | 643          | 1,119        | 288        | 1,411        | 7        | 0         | 233        | 633         | 79        | 76        | 4,916        | 11,813        | 22,043        | 43,981        | <b>66,024</b> |
| Jun-18          | 438           | 5,818        | 18,727              | 12,330          | 6,534        | 956            | 606          | 974          | 263        | 1,437        | 9        | 0         | 237        | 687         | 80        | 58        | 5,323        | 10,572        | 21,523        | 43,525        | <b>65,048</b> |
| Jul-18          | 402           | 6,613        | 18,353              | 12,257          | 6,846        | 1,022          | 562          | 1,004        | 347        | 1,285        | 10       | 0         | 229        | 694         | 85        | 56        | 4,667        | 10,883        | 21,880        | 43,436        | <b>65,316</b> |
| Aug-18          | 330           | 6,958        | 17,131              | 11,842          | 6,391        | 1,030          | 602          | 1,066        | 346        | 1,421        | 10       | 0         | 258        | 720         | 73        | 58        | 4,476        | 9,229         | 21,072        | 40,868        | <b>61,940</b> |
| Sep-18          | 294           | 4,835        | 15,927              | 11,853          | 6,342        | 995            | 559          | 1,159        | 344        | 1,121        | 9        | 0         | 236        | 661         | 73        | 57        | 5,268        | 10,545        | 20,892        | 39,385        | <b>60,277</b> |
| Oct-18          | 337           | 5,156        | 15,612              | 10,912          | 7,096        | 1,005          | 540          | 1,236        | 328        | 1,160        | 12       | 0         | 245        | 627         | 78        | 61        | 5,209        | 8,708         | 20,660        | 37,663        | <b>58,322</b> |
| Nov-18          | 384           | 7,507        | 15,280              | 9,420           | 6,667        | 994            | 517          | 1,284        | 246        | 1,145        | 10       | 79        | 227        | 562         | 59        | 60        | 1,132        | 10,334        | 18,535        | 37,373        | <b>55,908</b> |
| Dec-18          | 369           | 7,377        | 13,734              | 9,821           | 6,807        | 932            | 466          | 1,229        | 261        | 1,263        | 10       | 182       | 240        | 610         | 64        | 63        | 3,242        | 10,501        | 19,033        | 38,138        | <b>57,172</b> |
| <b>AVG 2018</b> | <b>358</b>    | <b>6,853</b> | <b>17,536</b>       | <b>11,666</b>   | <b>6,575</b> | <b>1,198</b>   | <b>575</b>   | <b>1,110</b> | <b>296</b> | <b>1,375</b> | <b>7</b> | <b>22</b> | <b>239</b> | <b>578</b>  | <b>73</b> | <b>62</b> | <b>4,557</b> | <b>10,492</b> | <b>21,030</b> | <b>42,540</b> | <b>63,570</b> |

NOTE: Totals may not be the exact sum of component figures due to rounding up/down.

| <b>TABLE 1B - CONDENSATE PRODUCTION (ONLY) IN 2018 (BOPD)</b> |              |                   |                 |               |              |            |               |
|---|--------------|-------------------|-----------------|---------------|--------------|------------|---------------|
|   | <b>BPTT</b>  | <b>SHELL ECMA</b> | <b>SHELL CB</b> | <b>DENOVO</b> | <b>EOG</b>   | <b>NGC</b> | <b>TOTAL</b>  |
| Jan-18  | 9,117        | 417               | 461             | -             | 1,665        | 181        | <b>11,842</b> |
| Feb-18  | 7,744        | 390               | 419             | -             | 1,571        | 125        | <b>10,248</b> |
| Mar-18  | 7,024        | 386               | 393             | -             | 1,547        | 160        | <b>9,509</b>  |
| Apr-18  | 6,719        | 222               | 461             | -             | 1,479        | 128        | <b>9,009</b>  |
| May-18  | 6,069        | 323               | 633             | -             | 1,411        | 93         | <b>8,529</b>  |
| Jun-18  | 5,802        | 438               | 687             | -             | 1,437        | 107        | <b>8,471</b>  |
| Jul-18  | 6,598        | 402               | 694             | -             | 1,285        | 106        | <b>9,085</b>  |
| Aug-18  | 6,941        | 330               | 720             | -             | 1,421        | 59         | <b>9,471</b>  |
| Sep-18  | 4,834        | 294               | 661             | -             | 1,121        | 49         | <b>6,959</b>  |
| Oct-18  | 5,149        | 334               | 627             | -             | 1,160        | 99         | <b>7,369</b>  |
| Nov-18  | 7,343        | 384               | 562             | 79            | 1,145        | 41         | <b>9,553</b>  |
| Dec-18  | 7,358        | 369               | 610             | 182           | 1,263        | 99         | <b>9,881</b>  |
| <b>AVG 2018</b>   | <b>6,722</b> | <b>358</b>        | <b>578</b>      | <b>22</b>     | <b>1,375</b> | <b>104</b> | <b>9,159</b>  |

NOTE: NGC production is condensate received at Beachfield from NGC offshore pipelines.

**TABLE 2A - DRILLING RIGS IN USE IN 2018**

|        | MARINE            |                 |          |               | LAND         |             |          |            |                                    |
|--------|-------------------|-----------------|----------|---------------|--------------|-------------|----------|------------|------------------------------------|
|        | SHELL             | BPTT            | BHP      | DE NOVO       | HPCL ( Land) | HPCL (IPSC) | LOL      | PRIMERA    | HPCL (LO)                          |
| Jan-18 | MAERSK DEV        | -               | -        | WSL RIG # 110 | PTRIN RIG #1 | -           | -        | -          | PCSL # 8                           |
| Feb-18 | MAERSK DEV        | JOEDOUG         | -        | WSL RIG # 110 | PTRIN RIG #1 | -           | -        | WWL Rig #1 | PCSL # 8 & WSL # 4                 |
| Mar-18 | MAERSK DEV        | JOEDOUG         | -        | WSL RIG # 110 | PTRIN RIG #1 | -           | -        | -          | PCSL # 8, WSL # 4, TALON 38        |
| Apr-18 | MAERSK DEV        | JOEDOUG         | -        | WSL RIG # 110 | WSL Rig 4    | -           | -        | -          | PCSL # 8, TALON 38                 |
| May-18 | MAERSK DEV, RG VI | JOEDOUG         | -        | WSL RIG # 110 | -            | -           | -        | -          | PCSL # 8, WSL # 4, TALON 38        |
| Jun-18 | MAERSK DEV, RG VI | JOEDOUG         | DEEP INV | WSL RIG # 110 | -            | -           | -        | -          | PCSL # 8, WSL # 4                  |
| Jul-18 | RG VI             | JOEDOUG         | DEEP INV | -             | -            | -           | -        | -          | PCSL # 8                           |
| Aug-18 | RG VI             | JOEDOUG         | DEEP INV | -             | -            | -           | -        | -          | PCSL # 8, WSL # 4, RRDSL RIG 17    |
| Sep-18 | RG VI             | JOEDOUG         | DEEP INV | -             | -            | WSL # 80    | -        | -          | PCSL # 8, WSL # 4, RRDSL RIG 17    |
| Oct-18 | RG VI             | JOEDOUG         | DEEP INV | -             | -            | WSL # 80    | WSL # 80 | -          | PCSL #8 , WSL # 4                  |
| Nov-18 | RG VI             | JOEDOUG ,REXL11 | -        | -             | -            | -           | WSL # 80 | -          | PCSL #8 , WSL # 4,WSL #2           |
| Dec-18 | RG VI             | JOEDOUG ,REXL11 | -        | -             | -            | -           | -        | -          | PCSL #8 , WSL # 4,WSL #2, WSL # 80 |



**TABLE 2B - RIG DAYS IN 2018**

|              | HPCL<br>(Land) | BPTT       | HPCL (IPSC) | HPCL (LO)  | PRIMERA   | SHELL      | BHP        | LOL       | DE NOVO    | TOTAL        |
|--------------|----------------|------------|-------------|------------|-----------|------------|------------|-----------|------------|--------------|
| Jan-18       | 22             | 0          | 0           | 14         | 0         | 28         | 0          | 0         | 31         | 95           |
| Feb-18       | 18             | 5          | 0           | 42         | 11        | 19         | 0          | 0         | 28         | 123          |
| Mar-18       | 23             | 31         | 0           | 37         | 0         | 27         | 0          | 0         | 31         | 149          |
| Apr-18       | 3              | 30         | 0           | 49         | 0         | 30         | 0          | 0         | 30         | 142          |
| May-18       | 0              | 31         | 0           | 27         | 0         | 35         | 0          | 0         | 31         | 124          |
| Jun-18       | 0              | 30         | 0           | 18         | 0         | 51         | 19         | 0         | 23         | 142          |
| Jul-18       | 0              | 31         | 0           | 28         | 0         | 31         | 30         | 0         | 0          | 120          |
| Aug-18       | 0              | 31         | 0           | 21         | 0         | 31         | 31         | 0         | 0          | 114          |
| Sep-18       | 0              | 30         | 20          | 52         | 0         | 30         | 29         | 0         | 0          | 161          |
| Oct-18       | 0              | 31         | 5           | 25         | 0         | 31         | 27         | 20        | 0          | 139          |
| Nov-18       | 0              | 47         | 0           | 77         | 0         | 30         | 0          | 21        | 0          | 175          |
| Dec-18       | 0              | 62         | 0           | 78         | 0         | 31         | 0          | 0         | 0          | 171          |
| <b>TOTAL</b> | <b>66</b>      | <b>359</b> | <b>25</b>   | <b>468</b> | <b>11</b> | <b>373</b> | <b>136</b> | <b>41</b> | <b>174</b> | <b>1,654</b> |

**TABLE 2C - DEPTH DRILLED IN 2018 (FT)**

|              | HPCL<br>(Land) | HPCL<br>(IPSC) | HPCL<br>(LO)   | LOL          | PRIMERA    | BPTT          | BHP           | SHELL         | DE NOVO       | TOTAL          |
|--------------|----------------|----------------|----------------|--------------|------------|---------------|---------------|---------------|---------------|----------------|
| Jan-18       | 3,649          | 0              | 3,630          | 0            | 0          | 0             | 0             | 8,105         | 8,030         | <b>23,414</b>  |
| Feb-18       | 4,289          | 0              | 13,178         | 0            | 360        | 2,357         | 0             | 8,691         | 0             | <b>28,875</b>  |
| Mar-18       | 2,934          | 0              | 11,228         | 0            | 0          | 12,165        | 0             | 0             | 0             | <b>26,327</b>  |
| Apr-18       | 0              | 0              | 9,518          | 0            | 0          | 4,324         | 0             | 651           | 5,285         | <b>19,778</b>  |
| May-18       | 0              | 0              | 7,954          | 0            | 0          | 3,142         | 0             | 10,700        | 3,272         | <b>25,068</b>  |
| Jun-18       | 0              | 0              | 4,691          | 0            | 0          | 7,269         | 8,349         | 8,467         | 1,492         | <b>30,268</b>  |
| Jul-18       | 0              | 0              | 7,059          | 0            | 0          | 6,481         | 20,333        | 3,197         | 0             | <b>37,070</b>  |
| Aug-18       | 0              | 0              | 6,066          | 0            | 0          | 3,111         | 5,652         | 11,625        | 0             | <b>26,454</b>  |
| Sep-18       | 0              | 3,103          | 13,129         | 0            | 0          | 10,210        | 7,398         | 394           | 0             | <b>34,234</b>  |
| Oct-18       | 0              | 697            | 6,762          | 3,332        | 0          | 3,658         | 5,538         | 9,024         | 0             | <b>29,011</b>  |
| Nov-18       | 0              | 0              | 18,335         | 2,868        | 0          | 16,805        | 0             | 9,172         | 0             | <b>47,180</b>  |
| Dec-18       | 0              | 0              | 21,508         | 0            | 0          | 11,535        | 0             | 766           | 0             | <b>33,809</b>  |
| <b>TOTAL</b> | <b>10,872</b>  | <b>3,800</b>   | <b>123,058</b> | <b>6,200</b> | <b>360</b> | <b>81,057</b> | <b>47,270</b> | <b>70,792</b> | <b>18,079</b> | <b>361,488</b> |

TABLE 2D - WELLS STARTED IN 2018

| COMPANY/OPERATOR                            | FIELD/BLOCK       | WELL NUMBER            | RIG NAME     | CLASSIFICATION | DATE SPUDED | DATE COMPLETED | TD (ft) | ATD (ft) |
|---|-------------------|------------------------|--------------|----------------|-------------|----------------|---------|----------|
| DE NOVO                                     | IGUANA            | IGU-IGUA-IGUANA A1XST2 | WSL Rig 110  | DEV            | 24-Jan-18   | 13-Mar-18      | 5,796   | 6,248    |
| SHELL                                       | STARFISH          | STARFISH -5            | MAERSK DEV   | DEV            | 7-Jan-18    | 6-May-18       | 8,756   | 8,562    |
| PTRIN (LO) (PCSL)                           | PALO SECO         | PAS-LAND-1510          | PCSL #8      | DEV            | 18-Jan-18   | 28-Mar-18      | 3,630   | 3,600    |
| PTRIN                                       | PT FORTIN CENTRAL | PFC-LAND-463           | PTRIN RIG #1 | DEV            | 10-Jan-18   | 1-Mar-18       | 3,649   | 3,649    |
| PTRIN (LO)(PCSL)                            | PALO SECO         | PAS-LAND-1511          | PCSL #8      | DEV            | 8-Feb-18    | 12-Mar-18      | 3,333   | 3,400    |
| PTRIN (LO)(TETL)                            | PALO SECO         | PAS-LAND-602           | WSL # 4      | DEV            | 3-Feb-18    | 19-Mar-18      | 5,378   | 5,400    |
| PTRIN (LO)(OSL)                             | FYZABAD           | FYZ-LAND-1051          | WSL # 4      | DEV            | 17-Feb-18   | 17-Mar-18      | 4,467   | 4,500    |
| PTRIN                                       | PT FORTIN CENTRAL | PFC-LAND-464           | PTRIN RIG #1 | DEV            | 8-Feb-18    | 8-Mar-18       | 3,165   | 3,200    |
| PTRIN                                       | PT FORTIN CENTRAL | PFC-LAND-465           | PTRIN RIG #1 | DEV            | 22-Feb-18   | 14-May-18      | 4,058   | 4,075    |
| POGTL                                       | FYZABAD           | FYZ-LAND-305           | WWL RIG # 1  | DEV            | 6-Feb-18    | 24-Feb-18      | 205     | 200      |
| POGTL                                       | FYZABAD           | FYZ-LAND-306           | WWL RIG # 1  | DEV            | 15-Feb-18   | 7-Mar-18       | 155     | 200      |
| SHELL                                       | STARFISH          | STA-NOP-09ST1          | MAERSK DEV   | DEV            | 9-Feb-18    | 31-Aug-18      | 8,356   | 8,163    |
| BPTT  | PARANG            | PAR-CAN-01             | JOEDOUG      | DEV            | 24-Feb-18   | 1-Apr-18       | 14,522  | 14,094   |
| PTRIN (LO)(TETL)                            | COORA             | COO-LAND-370           | PCSL #8      | DEV            | 30-Mar-18   | 9-Jun-18       | 3,820   | 3,820    |
| PTRIN (LO)(OSL)                             | PALO SECO         | PAS-LAND-603           | WSL #4       | DEV            | 11-Mar-18   | 25-Apr-18      | 6,050   | 6,000    |
| PTRIN (LO)(TETL)                            | FOREST RESERVE    | FOR-LAND-1792          | TALON 38     | DEV            | 16-Mar-18   | 22-May-18      | 4,700   | 4,700    |
| PTRIN (LO)(TETL)                            | COORA             | COO-LAND-371           | PCSL #8      | DEV            | 23-Apr-18   | 27-Jun-18      | 4,530   | 4,530    |
| PTRIN (LO)(TETL)                            | FOREST RESERVE    | FOR-LAND-1793          | TALON 38     | DEV            | 11-Apr-18   | 22-May-18      | 4,700   | 4,700    |
| BPTT  | PARANG            | PAR-CAN-01X            | JOEDOUG      | DEV            | 1-Apr-18    | 26-May-18      | 14,344  | 14,437   |
| SHELL                                       | STARFISH          | STA-NOP-07             | MAERSK DEV   | DEV            | 14-May-18   | 3-Sep-18       | 8,885   | 8,974    |
| DENOVO                                      | IGUANA            | IGU-IGUA-IGUANA A4     | WSL Rig 110  | DEV            | 14-May-18   | 22-Jun-18      | 4,764   | 5,096    |
| PTRIN (LO)                                  | FOREST RESERVE    | FOR-LAND-1794          | WSL RIG #4   | DEV            | 18-May-18   | 17-Oct-18      | 4,900   | 4,900    |
| SHELL                                       | DOLPHIN           | DOL-DOA-17             | RG VI        | DEV            | 19-May-18   | 10-Aug-18      | 10,989  | 11,054   |
| BPTT  | IMMORTELLE        | IMM-CAN-01             | JOEDOUG      | DEV            | 27-May-18   | 22-Aug-18      | 16,892  | 18,139   |
| BHP Billiton Petroleum (T'dad Block 5) Ltd  | BLOCK TTDA A5     | BTD5-NOP-VICTORIA_1    | DEEP INV     | EXP ( A3)      | 12-Jun-18   | 18-Jul-18      | 10,767  | 10,771   |
| PTRIN (LO)(TETL)                            | COORA             | COO-LAND-372           | PCSL #8      | DEV            | 15-Jun-18   | 19-Aug-18      | 6,500   | 6,600    |
| BHP Billiton Petroleum (T'dad Block 14) Ltd | BLOCK TTDA A14    | BTD14-NOP-BONGOS_1     | DEEP INV     | EXP ( A3)      | 20-Jul-18   | 28-Sep-18      | 8,100   | 17,543   |
| BHP Billiton Petroleum (T'dad Block 14) Ltd | BLOCK TTDA A14    | BTD14-NOP-BONGOS_2     | DEEP INV     | EXP ( A3)      | 22-Jul-18   | 23-Sep-18      | 16,902  | 17,557   |
| PTRIN (LO)(TETL)                            | COORA             | COO-LAND-373           | PCSL #8      | DEV            | 17-Jul-18   | 21-Aug-18      | 5,250   | 5,350    |
| SHELL                                       | DOLPHIN           | DOL-DOA-14 ST1         | RG VI        | DEV            | 27-Jul-18   | -              | 14,509  | 14,895   |

TABLE 2D - WELLS STARTED IN 2018

| COMPANY/OPERATOR                           | FIELD/BLOCK        | WELL NUMBER           | RIG NAME   | CLASSIFICATION | DATE SPUDED | DATE COMPLETED | TD (ft) | ATD (ft) |
|--|--------------------|-----------------------|------------|----------------|-------------|----------------|---------|----------|
| BPTT                                       | IMMORTELLE         | IMM-CAN-02            | JOEDOUG    | DEV            | 23-Aug-18   | 14-Dec-18      | 18,074  | 18,094   |
| PTRIN (LO)( TETL)                          | FOREST RESERVE     | FOR-LAND-1795         | RRDSL#17   | DEV            | 18-Aug-18   | 17-Oct-18      | 4,700   | 4,700    |
| PTRIN (LO)(OSL)                            | FOREST RESERVE     | FOR-LAND-1796         | WSL #4     | DEV            | 26-Aug-18   | 19-Oct-18      | 4,100   | 4,100    |
| PTRIN (LO)(PCSL)                           | PALO SECO          | PAS-LAND-1512         | PCSL #8    | DEV            | 11-Sep-18   | 29-Oct-18      | 6,195   | 6,200    |
| PTRIN (LO)(OSL)                            | FOREST RESERVE     | FOR-LAND-1797         | WSL #4     | DEV            | 17-Sep-18   | 3-Dec-18       | 4,200   | 4,200    |
| PTRIN (IPSC)                               | BALATA EAST        | BAE-LAND-53           | WSL #80    | DEV            | 11-Sep-18   | -              | 3,800   | 4,406    |
| BHP Billiton Petroleum (T'dad Block 5) Ltd | BLOCK TTDAAS       | BTD5-NOP-CONCEPCION_1 | DEEP INV   | EXP (A3)       | 30-Sep-18   | 28-Oct-18      | 11,501  | 11,635   |
| SHELL                                      | DOLPHIN            | DOL-DOA-15            | RG VI      | DEV            | 17-Oct-18   | -              | 9,024   | 10,000   |
| PTRIN (LO)(OSL)                            | FOREST RESERVE     | FOR-LAND-1798         | WSL # 4    | DEV            | 3-Oct-18    | 3-Nov-18       | 2,957   | 3,000    |
| PTRIN (LO)(OSL)                            | FOREST RESERVE     | FOR-LAND-1799         | WSL # 4    | DEV            | 15-Oct-18   | 15-Nov-18      | 2,800   | 2,800    |
| PTRIN (LO)(OSL)                            | FYZABAD            | FYZ-LAND-1052         | WSL #4     | DEV            | 28-Oct-18   | 3-Dec-18       | 4,400   | 4,400    |
| LOL  | RIO CLARO BLOCK    | AH-YAH-YIE            | WSL RIG 80 | EXP(A2 B)      | 12-Oct-18   | 21-Nov-18      | 6,200   | 6,074    |
| PTRIN (LO)( TETL)                          | FOREST RESERVE     | FOR-LAND-1800ST       | WSL #2     | DEV            | 1-Nov-18    | -              | 4,700   | 4,792    |
| PTRIN (LO)(PCSL)                           | PALO SECO          | PAS-LAND-1513         | PCSL #8    | DEV            | 2-Nov-18    | -              | 6,740   | 6,740    |
| PTRIN (LO)(OSL)                            | PALO SECO          | PAS-LAND-604          | WSL #4     | DEV            | 18-Nov-18   | 31-Dec-18      | 3,500   | 3,350    |
| BPTT                                       | SOUTH EAST GALEOTA | SEG-CAN-MANCAN-1      | JOEDOUG    | EXPL (A 2A)    | 17-Nov-18   | 24-Dec-18      | 14,441  | 12,512   |
| BPTT                                       | ANGELIN            | ANG1-ANG1-01          | REXL11     | DEV            | 11-Nov-18   | -              | 12,804  | 12,843   |
| SHELL                                      | DOLPHIN            | DOL-DOA-16            | RG VI      | DEV            | 9-Nov-18    | -              | 9,938   | 10,804   |
| HPCL (LO)( TETL)                           | PALO SECO          | PAS-LAND-605          | WSL # 4    | DEV            | 4-Dec-18    | -              | 7,250   | 7,320    |
| HPCL (LO)( TETL)                           | FOREST RESERVE     | FOR-LAND-1801         | WSL #2     | DEV            | 10-Dec-18   | -              | 4,564   | 4,600    |
| HPCL (LO)( LOL)                            | PALO SECO          | PAS-LAND-233XX        | WSL #80    | DEV            | 5-Dec-18    | 15-Dec-18      | 4,710   | 8,750    |
| HPCL (LO)( LOL)                            | PALO SECO          | PAS-LAND-233XXX       | WSL #80    | DEV            | 16-Dec-18   | -              | 7,336   | 7,336    |

TABLE 2E - WELL COMPLETIONS IN 2018

|              | WELL COMPLETIONS - OIL |             |           | WELL COMPLETIONS - GAS |          |          |          |           | WELL COMPLETIONS - OTHER* |           |          |          |          |             | TOTAL COMPLETIONS |
|--------------|------------------------|-------------|-----------|------------------------|----------|----------|----------|-----------|---------------------------|-----------|----------|----------|----------|-------------|-------------------|
|              | HPCL (LO)              | HPCL (LAND) | TOTAL OIL | BPTT                   | SHELL    | DE NOVO  | EOG      | TOTAL GAS | PRIM                      | HPCL (LO) | BPTT     | BHP      | DE NOVO  | TOTAL OTHER |                   |
| Jan-18       | 1                      | 0           | 1         | 0                      | 0        | 0        | 0        | 0         | 0                         | 0         | 0        | 0        | 1        | 1           | 2                 |
| Feb-18       | 0                      | 0           | 0         | 0                      | 0        | 1        | 1        | 2         | 1                         | 0         | 0        | 0        | 0        | 1           | 3                 |
| Mar-18       | 4                      | 3           | 7         | 0                      | 0        | 0        | 0        | 0         | 1                         | 0         | 0        | 0        | 0        | 1           | 8                 |
| Apr-18       | 1                      | 1           | 2         | 0                      | 0        | 0        | 0        | 0         | 0                         | 0         | 1        | 0        | 0        | 1           | 3                 |
| May-18       | 2                      | 1           | 3         | 1                      | 1        | 0        | 0        | 2         | 0                         | 0         | 0        | 0        | 0        | 0           | 5                 |
| Jun-18       | 2                      | 0           | 2         | 0                      | 0        | 2        | 0        | 2         | 0                         | 0         | 0        | 0        | 0        | 0           | 4                 |
| Jul-18       | 0                      | 0           | 0         | 0                      | 0        | 0        | 0        | 0         | 0                         | 0         | 0        | 1        | 0        | 1           | 1                 |
| Aug-18       | 2                      | 0           | 2         | 0                      | 2        | 0        | 0        | 2         | 0                         | 0         | 1        | 0        | 0        | 1           | 5                 |
| Sep-18       | 0                      | 0           | 0         | 0                      | 1        | 0        | 0        | 1         | 0                         | 0         | 0        | 2        | 0        | 2           | 3                 |
| Oct-18       | 4                      | 0           | 4         | 0                      | 0        | 0        | 0        | 0         | 0                         | 0         | 0        | 1        | 0        | 1           | 5                 |
| Nov-18       | 2                      | 0           | 2         | 0                      | 0        | 0        | 0        | 0         | 0                         | 0         | 1        | 0        | 0        | 1           | 3                 |
| Dec-18       | 3                      | 0           | 3         | 0                      | 0        | 0        | 0        | 0         | 0                         | 1         | 1        | 0        | 0        | 2           | 5                 |
| <b>TOTAL</b> | <b>21</b>              | <b>5</b>    | <b>26</b> | <b>1</b>               | <b>4</b> | <b>3</b> | <b>1</b> | <b>9</b>  | <b>2</b>                  | <b>1</b>  | <b>4</b> | <b>4</b> | <b>1</b> | <b>12</b>   | <b>47</b>         |

\*NOTE: Includes Abandonments.

TABLE 2F - MEEI APPROVED WORKOVERS COMPLETED AND WINCH HOURS IN 2018

|              | HPCL<br>(Offshore) | PERENCO  | HPCL<br>(Land) | PRIM      | HPCL<br>(IPSC) | HPCL (FO) | HPCL (LO) | BHP      | SHELL<br>(CB) | BPTT     | TEPGL    | EOG      | TOTAL WORKOVERS<br>COMPLETED | TOTAL WINCH<br>HOURS |
|--------------|--------------------|----------|----------------|-----------|----------------|-----------|-----------|----------|---------------|----------|----------|----------|------------------------------|----------------------|
| Jan-18       | 1                  | 0        | 8              | 1         | 0              | 0         | 6         | 0        | 0             | 2        | 0        | 0        | 18                           | 2,636                |
| Feb-18       | 1                  | 0        | 9              | 2         | 0              | 0         | 5         | 0        | 0             | 2        | 0        | 0        | 19                           | 2,473                |
| Mar-18       | 1                  | 4        | 9              | 0         | 0              | 0         | 2         | 0        | 0             | 0        | 0        | 0        | 16                           | 2,959                |
| Apr-18       | 0                  | 0        | 7              | 1         | 0              | 2         | 4         | 0        | 1             | 0        | 0        | 0        | 15                           | 1,398                |
| May-18       | 1                  | 0        | 3              | 0         | 1              | 1         | 8         | 0        | 0             | 0        | 0        | 0        | 14                           | 2,048                |
| Jun-18       | 0                  | 0        | 2              | 1         | 1              | 0         | 4         | 0        | 0             | 0        | 0        | 0        | 8                            | 694                  |
| Jul-18       | 0                  | 2        | 3              | 1         | 0              | 0         | 5         | 0        | 0             | 2        | 0        | 0        | 13                           | 1,621                |
| Aug-18       | 0                  | 1        | 2              | 2         | 2              | 1         | 12        | 0        | 0             | 0        | 0        | 0        | 20                           | 1,835                |
| Sep-18       | 0                  | 0        | 1              | 3         | 1              | 1         | 11        | 2        | 0             | 0        | 0        | 0        | 19                           | 1,516                |
| Oct-18       | 0                  | 0        | 0              | 1         | 3              | 0         | 8         | 0        | 0             | 0        | 0        | 0        | 12                           | 1,238                |
| Nov-18       | 0                  | 0        | 0              | 0         | 0              | 1         | 5         | 0        | 0             | 0        | 1        | 2        | 9                            | 472                  |
| Dec-18       | 0                  | 0        | 0              | 2         | 2              | 0         | 6         | 0        | 0             | 0        | 0        | 0        | 10                           | 261                  |
| <b>TOTAL</b> | <b>4</b>           | <b>7</b> | <b>44</b>      | <b>14</b> | <b>10</b>      | <b>6</b>  | <b>76</b> | <b>2</b> | <b>1</b>      | <b>6</b> | <b>1</b> | <b>2</b> | <b>173</b>                   | <b>19,147</b>        |

**TABLE 3A - NATURAL GAS PRODUCTION BY COMPANY IN 2018 (MMSCF/D)**

| COMPANY      | Jan-18       | Feb-18       | Mar-18       | Apr-18       | May-18       | Jun-18       | Jul-18       | Aug-18       | Sep-18       | Oct-18       | Nov-18       | Dec-18       | AVG 2018     |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| BPTT         | 2,276        | 2,070        | 2,206        | 2,109        | 2,007        | 2,192        | 2,135        | 2,101        | 1,705        | 1,885        | 2,117        | 2,020        | 2,069        |
| TMAR         | 22           | 28           | 26           | 23           | 23           | 19           | 26           | 27           | 13           | 13           | 12           | 13           | 20           |
| PTRIN        | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 1            | 1            | 2            |
| EOG          | 525          | 529          | 526          | 525          | 493          | 504          | 426          | 505          | 492          | 402          | 441          | 445          | 484          |
| SHELL        | 555          | 548          | 530          | 468          | 533          | 613          | 607          | 546          | 440          | 563          | 724          | 753          | 573          |
| BHP          | 470          | 405          | 392          | 416          | 416          | 458          | 447          | 415          | 476          | 486          | 108          | 341          | 402          |
| PERENCO      | 21           | 35           | 34           | 26           | 29           | 26           | 28           | 20           | 23           | 17           | 20           | 17           | 25           |
| DENOVO       | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 25           | 80           | 53           |
| <b>TOTAL</b> | <b>3,871</b> | <b>3,616</b> | <b>3,715</b> | <b>3,570</b> | <b>3,503</b> | <b>3,813</b> | <b>3,671</b> | <b>3,615</b> | <b>3,150</b> | <b>3,367</b> | <b>3,448</b> | <b>3,671</b> | <b>3,628</b> |

**TABLE 3B - NATURAL GAS UTILIZATION BY SECTOR IN 2018 (MMSCF/D)**

| SECTOR                   | Jan-18       | Feb-18       | Mar-18       | Apr-18       | May-18       | Jun-18       | Jul-18       | Aug-18       | Sep-18       | Oct-18       | Nov-18       | Dec-18       | AVG 2018     |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Power Generation         | 224          | 218          | 233          | 236          | 245          | 251          | 289          | 238          | 244          | 252          | 248          | 224          | 242          |
| Ammonia Manufacture      | 570          | 545          | 555          | 543          | 515          | 570          | 556          | 548          | 538          | 544          | 563          | 553          | 550          |
| Methanol Manufacture     | 490          | 530          | 535          | 502          | 490          | 513          | 424          | 429          | 478          | 429          | 517          | 550          | 491          |
| Refinery                 | 63           | 65           | 51           | 57           | 77           | 80           | 84           | 94           | 108          | 74           | 37           | 0            | 66           |
| Iron & Steel Manufacture | 50           | 23           | 50           | 47           | 49           | 46           | 46           | 43           | 48           | 40           | 23           | 51           | 43           |
| Cement Manufacture       | 8            | 12           | 13           | 16           | 13           | 13           | 14           | 8            | 11           | 13           | 11           | 7            | 12           |
| Ammonia Derivatives      | 22           | 22           | 20           | 21           | 22           | 23           | 21           | 21           | 21           | 12           | 15           | 21           | 20           |
| Gas Processing           | 25           | 25           | 24           | 24           | 24           | 24           | 24           | 24           | 24           | 24           | 25           | 24           | 24           |
| Small Consumers          | 8            | 8            | 8            | 8            | 8            | 8            | 8            | 8            | 8            | 8            | 8            | 8            | 8            |
| LNG                      | 2,158        | 1,934        | 2,033        | 1,929        | 1,871        | 2,084        | 2,006        | 2,038        | 1,406        | 1,751        | 1,924        | 2,047        | 1,932        |
| <b>TOTAL</b>             | <b>3,618</b> | <b>3,381</b> | <b>3,523</b> | <b>3,384</b> | <b>3,313</b> | <b>3,611</b> | <b>3,473</b> | <b>3,451</b> | <b>2,886</b> | <b>3,148</b> | <b>3,371</b> | <b>3,485</b> | <b>3,387</b> |

NOTE: Figures in *RED/Italics* are preliminary.

NOTE (For Table 3A): 100 % of Joint Venture field production is reported by the Operator

NOTE (for Table 3B) : Ammonia Derivatives are Urea, UAN and Melamine

**TABLE 4A - CRUDE OIL IMPORTS IN 2018 (BBLs)**

| CRUDE TYPE   | COUNTRY  | Jan-18           | Feb-18           | Mar-18           | Apr-18           | May-18           | Jun-18           | Jul-18           | Aug-18           | Sep-18           | Oct-18         | Nov-18 | Dec-18 | TOTAL    |          |                   |
|--------------|----------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------|--------|--------|----------|----------|-------------------|
| Coco         | Congo    | -                | -                | -                | -                | -                | -                | -                | -                | -                | -              | N/A    | N/A    | -        |          |                   |
| Es Sider     | Libya    | -                | -                | -                | -                | -                | -                | -                | -                | -                | -              |        |        | -        | -        |                   |
| Hibernia     | Canada   | -                | -                | -                | 568,126          | -                | 649,583          | -                | -                | -                | -              |        |        | -        | -        | 1,217,709         |
| Lucina       | Gabon    | -                | -                | -                | 275,262          | -                | 299,189          | -                | -                | -                | -              |        |        | -        | -        | 574,451           |
| Lula         | Brazil   | -                | -                | -                | -                | -                | -                | 947,084          | 451,004          | -                | -              |        |        | -        | -        | 1,398,088         |
| Mandji       | Gabon    | -                | -                | 450,353          | -                | -                | -                | -                | -                | -                | -              |        |        | -        | -        | 450,353           |
| Oguendjo     | Gabon    | -                | -                | 738,672          | 467,584          | 716,234          | 454,494          | -                | 746,453          | 728,877          | -              |        |        | -        | -        | 3,852,314         |
| Roncador     | Brazil   | -                | -                | -                | -                | -                | -                | -                | -                | -                | -              |        |        | -        | -        | -                 |
| Urals        | Russia   | -                | -                | -                | -                | 723,619          | -                | -                | -                | -                | -              |        |        | -        | -        | 723,619           |
| Varandey     | Russia   | 1,480,136        | 1,520,855        | -                | 750,241          | 782,853          | 751,098          | 738,663          | 775,901          | 739,081          | -              |        |        | -        | -        | 7,538,828         |
| Vasconia     | Colombia | 997,455          | 950,832          | 999,803          | 501,017          | 525,039          | 497,946          | 979,658          | 523,568          | 524,128          | 477,690        |        |        | -        | -        | 6,977,136         |
| Woodbourne   | Barbados | -                | 59,388           | -                | -                | 29,954           | -                | 64,301           | -                | -                | -              |        |        | -        | -        | 153,643           |
| <b>TOTAL</b> |          | <b>2,477,591</b> | <b>2,531,075</b> | <b>2,188,828</b> | <b>2,562,230</b> | <b>2,777,699</b> | <b>2,652,310</b> | <b>2,729,706</b> | <b>2,496,926</b> | <b>1,992,086</b> | <b>477,690</b> |        |        | <b>-</b> | <b>-</b> | <b>22,886,141</b> |

**TABLE 4B - CRUDE OIL EXPORTS IN 2018 (BBLs)**

| CRUDE TYPE    | Jan-18         | Feb-18         | Mar-18         | Apr-18         | May-18           | Jun-18         | Jul-18         | Aug-18         | Sep-18         | Oct-18         | Nov-18         | Dec-18         | TOTAL            |
|---------------|----------------|----------------|----------------|----------------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Galeota Mix   | 760,640        | 380,383        | 760,514        | 379,968        | 761,101          | 380,137        | 760,282        | 380,237        | 380,473        | 760,571        | 380,277        | 380,382        | 6,464,965        |
| Calypso Crude | -              | 500,736        | -              | -              | 360,504          | 360,316        | -              | -              | 360,502        | -              | -              | -              | 1,582,058        |
| <b>TOTAL</b>  | <b>760,640</b> | <b>881,119</b> | <b>760,514</b> | <b>379,968</b> | <b>1,121,605</b> | <b>740,453</b> | <b>760,282</b> | <b>380,237</b> | <b>740,975</b> | <b>760,571</b> | <b>380,277</b> | <b>380,382</b> | <b>8,047,023</b> |



TABLE 4C - PETROTRIN PAP REFINERY SALES IN 2018 (BBLs)

| LOCAL SALES (BBLs)             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |        |        |                   |
|--------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------|--------|-------------------|
| PRODUCT                        | Jan-18           | Feb-18           | Mar-18           | Apr-18           | May-18           | Jun-18           | Jul-18           | Aug-18           | Sep-18           | Oct-18           | Nov-18 | Dec-18 | TOTAL             |
| Liquefied Petroleum Gas        | 50,567           | 41,374           | 46,727           | 38,975           | 35,829           | 35,053           | 30,248           | 39,632           | 32,101           | 31,759           | N/A    | N/A    | 382,265           |
| Motor Gasoline                 | 360,572          | 339,584          | 380,609          | 374,892          | 370,900          | 357,644          | 376,266          | 360,741          | 373,321          | 359,797          |        |        | 3,654,326         |
| Naphtha                        | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                |        |        | -                 |
| Aviation Gasoline              | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                |        |        | -                 |
| Kerosine/Jet                   | 87,629           | 84,370           | 79,219           | 86,010           | 87,468           | 73,046           | 93,725           | 90,569           | 85,154           | 73,063           |        |        | 840,253           |
| Gas Oils /Diesel               | 269,909          | 258,231          | 287,626          | 298,419          | 327,494          | 294,372          | 307,031          | 290,165          | 295,822          | 269,587          |        |        | 2,898,656         |
| Fuel Oils                      | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                |        |        | -                 |
| Bitumen                        | 2,903            | 2,838            | 5,378            | 7,244            | 9,894            | 4,913            | 8,470            | 8,522            | 6,595            | 10,772           |        |        | 67,529            |
| Sulphur                        | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                |        |        | -                 |
| Other Refined/Unfinished Prod. | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                |        |        | -                 |
| <b>TOTAL</b>                   | <b>771,580</b>   | <b>726,397</b>   | <b>799,559</b>   | <b>805,540</b>   | <b>831,585</b>   | <b>765,028</b>   | <b>815,740</b>   | <b>789,629</b>   | <b>792,993</b>   | <b>744,978</b>   | -      | -      | <b>7,843,029</b>  |
| EXPORT SALES (BBLs)            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |        |        |                   |
| PRODUCT                        | Jan-18           | Feb-18           | Mar-18           | Apr-18           | May-18           | Jun-18           | Jul-18           | Aug-18           | Sep-18           | Oct-18           | Nov-18 | Dec-18 | TOTAL             |
| Liquefied Petroleum Gas        | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | N/A    | N/A    | -                 |
| Motor Gasoline                 | 1,005,573        | 755,644          | 925,871          | 980,587          | 829,082          | 986,646          | 845,641          | 1,076,829        | 728,395          | 301,761          |        |        | 8,436,029         |
| Naphtha                        | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                |        |        | -                 |
| Aviation Gasoline              | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                |        |        | -                 |
| Kerosine/Jet                   | 323,716          | 394,588          | 370,577          | 271,252          | 183,785          | 269,805          | 246,252          | 256,332          | 107,315          | 187,055          |        |        | 2,610,677         |
| Gas Oils /Diesel               | 775,604          | 646,447          | 507,328          | 395,968          | 700,754          | 682,118          | 751,420          | 750,478          | 504,309          | 283,132          |        |        | 5,997,558         |
| Fuel Oils                      | 1,248,281        | 1,120,921        | 1,444,268        | 1,159,048        | 1,548,517        | 1,127,820        | 1,141,965        | 1,458,099        | 1,034,133        | 798,950          |        |        | 12,082,002        |
| Bitumen                        | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                |        |        | -                 |
| Sulphur                        | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                |        |        | -                 |
| Other Refined/Unfinished Prod. | -                | -                | -                | -                | 349,471          | -                | -                | -                | -                | -                |        |        | 349,471           |
| <b>TOTAL</b>                   | <b>3,353,174</b> | <b>2,917,600</b> | <b>3,248,044</b> | <b>2,806,855</b> | <b>3,611,609</b> | <b>3,066,389</b> | <b>2,985,278</b> | <b>3,541,738</b> | <b>2,374,152</b> | <b>1,570,898</b> | -      | -      | <b>29,475,737</b> |

**TABLE 4D - PETROTRIN PAP REFINERY OUTPUT IN 2018 (BBLs)**

| PRODUCT                        | Jan-18           | Feb-18           | Mar-18           | Apr-18           | May-18           | Jun-18           | Jul-18           | Aug-18           | Sep-18           | Oct-18           | Nov-18  | Dec-18 | TOTAL             |
|--------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|---------|--------|-------------------|
| Liquefied Petroleum Gas        | (46,926)         | (44,561)         | (24,636)         | (58,319)         | (43,230)         | (66,762)         | (54,016)         | (50,968)         | (32,750)         | (35,702)         | N/A     | N/A    | (457,870)         |
| Motor Gasoline                 | 1,343,388        | 1,332,786        | 1,004,494        | 1,306,855        | 1,275,791        | 1,462,705        | 1,305,389        | 1,324,445        | 1,138,840        | 747,675          |         |        | 12,242,368        |
| Aviation Gasoline              | 10,231           | (12,523)         | 11,502           | (17,139)         | 16,685           | (27,579)         | 31,812           | (3,681)          | (12,187)         | 22,154           |         |        | 19,275            |
| Kerosine/Jet                   | 462,519          | 399,438          | 351,652          | 368,809          | 340,291          | 341,731          | 344,685          | 386,123          | 229,564          | 116,900          |         |        | 3,341,712         |
| Gas Oils / Diesel              | 859,103          | 1,055,116        | 661,271          | 895,288          | 881,652          | 1,138,096        | 946,975          | 1,080,058        | 830,976          | 436,415          |         |        | 8,784,950         |
| Fuel Oils                      | 1,231,887        | 1,149,702        | 1,299,730        | 1,340,295        | 1,443,315        | 1,175,515        | 1,282,089        | 1,236,789        | 1,069,098        | 824,918          |         |        | 12,053,338        |
| Bitumen                        | 315              | 7,058            | 1,470            | 7,184            | 3,393            | 10,807           | 8,380            | 3,154            | 5,880            | 17,735           |         |        | 65,376            |
| Sulphur                        | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                |         |        | -                 |
| Other Refined/Unfinished Prod. | (111,384)        | (240,346)        | 321,311          | 16,040           | (150,098)        | (156,402)        | 113,286          | (209,887)        | (135,332)        | (601,737)        |         |        | (1,154,549)       |
| Refinery Loss/(Gain)           | 80,201           | (2,059)          | 112,695          | (14,124)         | 85,784           | 81,787           | (5,590)          | 16,969           | 93,583           | (46,544)         |         |        | 402,702           |
| Refinery Gas                   | 69,519           | 63,918           | 60,286           | 75,596           | 79,883           | 83,524           | 76,911           | 74,375           | 73,809           | 44,702           | 702,523 |        |                   |
| <b>TOTAL</b>                   | <b>3,898,853</b> | <b>3,708,529</b> | <b>3,799,775</b> | <b>3,920,485</b> | <b>3,933,466</b> | <b>4,043,422</b> | <b>4,049,921</b> | <b>3,857,377</b> | <b>3,261,481</b> | <b>1,526,516</b> | -       | -      | <b>35,999,825</b> |

**TABLE 4E - PETROTRIN PAP REFINERY THROUGHPUT IN 2018 (BBLs & BOPD)**

|                   | Jan-18    | Feb-18    | Mar-18    | Apr-18    | May-18    | Jun-18    | Jul-18    | Aug-18    | Sep-18    | Oct-18    | Nov-18 | Dec-18 | AVG 2018  |
|-------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------|--------|-----------|
| Throughput (BBLs) | 3,898,853 | 3,708,529 | 3,799,775 | 3,920,485 | 3,933,466 | 4,043,422 | 4,049,921 | 3,857,377 | 3,261,481 | 1,526,516 | -      | -      | 3,599,983 |
| Throughput (BOPD) | 125,769   | 132,447   | 122,573   | 130,683   | 126,886   | 134,781   | 130,643   | 124,432   | 108,716   | 49,242    | -      | -      | 118,617   |

**TABLE 5A - PRODUCTION AND EXPORT OF NGLS FROM PPGPL IN 2018 (BBLs)**

| <b>PRODUCTION (BBLs)</b> |                |                |                |                |                |                |                |                |                |                |                |                |                  |
|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|
| <b>PRODUCT</b>           | <b>Jan-18</b>  | <b>Feb-18</b>  | <b>Mar-18</b>  | <b>Apr-18</b>  | <b>May-18</b>  | <b>Jun-18</b>  | <b>Jul-18</b>  | <b>Aug-18</b>  | <b>Sep-18</b>  | <b>Oct-18</b>  | <b>Nov-18</b>  | <b>Dec-18</b>  | <b>TOTAL</b>     |
| <b>Propane</b>           | 305,708        | 239,449        | 266,237        | 237,554        | 243,227        | 247,120        | 244,380        | 231,325        | 196,078        | 221,019        | 199,767        | 215,949        | <b>2,847,813</b> |
| <b>Butane</b>            | 255,385        | 200,401        | 204,668        | 200,758        | 203,572        | 214,403        | 211,274        | 195,253        | 164,832        | 184,790        | 188,408        | 195,474        | <b>2,419,218</b> |
| <b>Natural Gasoline</b>  | 335,360        | 268,260        | 241,622        | 289,187        | 279,277        | 300,210        | 301,725        | 287,453        | 218,678        | 255,716        | 252,885        | 281,325        | <b>3,311,698</b> |
| <b>TOTAL</b>             | <b>896,453</b> | <b>708,110</b> | <b>712,527</b> | <b>727,499</b> | <b>726,076</b> | <b>761,733</b> | <b>757,379</b> | <b>714,031</b> | <b>579,588</b> | <b>661,525</b> | <b>641,060</b> | <b>692,748</b> | <b>8,578,729</b> |
| <b>EXPORT (BBLs)</b>     |                |                |                |                |                |                |                |                |                |                |                |                |                  |
| <b>PRODUCT</b>           | <b>Jan-18</b>  | <b>Feb-18</b>  | <b>Mar-18</b>  | <b>Apr-18</b>  | <b>May-18</b>  | <b>Jun-18</b>  | <b>Jul-18</b>  | <b>Aug-18</b>  | <b>Sep-18</b>  | <b>Oct-18</b>  | <b>Nov-18</b>  | <b>Dec-18</b>  | <b>TOTAL</b>     |
| <b>Propane</b>           | 203,018        | 427,178        | 287,090        | 248,322        | 178,741        | 168,806        | 232,923        | 248,110        | 115,335        | 217,306        | 157,399        | 315,996        | <b>2,800,224</b> |
| <b>Butane</b>            | 33,904         | 228,214        | 189,415        | 142,952        | 69,118         | 141,025        | 47,905         | 165,072        | 29,102         | 44,435         | 199,055        | 112,407        | <b>1,402,604</b> |
| <b>Natural Gasoline</b>  | 324,929        | 315,061        | 315,128        | 319,716        | 320,307        | 310,624        | 300,370        | 315,187        | 315,056        | 315,159        | 313,171        | 0              | <b>3,464,708</b> |
| <b>TOTAL</b>             | <b>561,851</b> | <b>970,453</b> | <b>791,633</b> | <b>710,990</b> | <b>568,166</b> | <b>620,455</b> | <b>581,198</b> | <b>728,369</b> | <b>459,493</b> | <b>576,900</b> | <b>669,625</b> | <b>428,403</b> | <b>7,667,536</b> |

NOTE: Local NGL sales from ALNG are to mainly PPGPL. These sold NGL volumes have been included in PPGPL's production data.

**TABLE 5B - PRODUCTION AND EXPORT OF AMMONIA IN 2018 (MT)**

| <b>PRODUCTION (MT)</b>   |                |                |                |                |                |                |                |                |                |                |                |                |                  |
|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|
| <b>PLANT</b>             | <b>Jan-18</b>  | <b>Feb-18</b>  | <b>Mar-18</b>  | <b>Apr-18</b>  | <b>May-18</b>  | <b>Jun-18</b>  | <b>Jul-18</b>  | <b>Aug-18</b>  | <b>Sep-18</b>  | <b>Oct-18</b>  | <b>Nov-18</b>  | <b>Dec-18</b>  | <b>TOTAL</b>     |
| <b>YARA</b>              | 23,708         | 23,704         | 25,581         | 24,727         | 24,067         | 20,214         | 25,058         | 15,993         | 16,984         | 20,714         | 22,909         | 23,591         | <b>267,250</b>   |
| <b>TRINGEN I</b>         | 37,320         | 26,376         | 36,081         | 42,981         | 43,578         | 43,022         | 35,303         | 39,774         | 19,250         | 35,036         | 31,082         | 28,567         | <b>418,370</b>   |
| <b>TRINGEN II</b>        | 47,096         | 43,125         | 43,800         | 7,675          | 0              | 22,808         | 38,318         | 40,529         | 37,028         | 37,955         | 37,360         | 39,459         | <b>395,153</b>   |
| <b>NUTRIEN (1,2,3,4)</b> | 177,182        | 167,662        | 184,780        | 157,913        | 168,888        | 163,301        | 140,230        | 116,565        | 129,957        | 151,919        | 152,852        | 167,205        | <b>1,878,453</b> |
| <b>PLNL</b>              | 60,846         | 54,451         | 59,138         | 58,187         | 34,894         | 26,356         | 61,005         | 60,765         | 59,113         | 61,068         | 58,821         | 61,621         | <b>656,265</b>   |
| <b>CNC</b>               | 34,570         | 0              | 0              | 37,663         | 52,259         | 53,590         | 40,468         | 56,681         | 49,570         | 36,756         | 51,690         | 44,151         | <b>457,398</b>   |
| <b>N2000</b>             | 55,370         | 49,987         | 55,005         | 53,215         | 30,153         | 45,159         | 55,216         | 57,649         | 53,920         | 55,506         | 54,782         | 52,434         | <b>618,396</b>   |
| <b>AUM-NH3</b>           | 6,273          | 7,802          | 51,776         | 4,398          | 3,455          | 6,414          | 8,507          | 13,198         | 19,028         | 26,579         | 11,451         | 728            | <b>159,609</b>   |
| <b>TOTAL</b>             | <b>442,365</b> | <b>373,107</b> | <b>456,161</b> | <b>386,759</b> | <b>357,294</b> | <b>380,864</b> | <b>404,105</b> | <b>401,154</b> | <b>384,850</b> | <b>425,533</b> | <b>420,947</b> | <b>417,756</b> | <b>4,850,894</b> |
| <b>EXPORT (MT)</b>       |                |                |                |                |                |                |                |                |                |                |                |                |                  |
| <b>PLANT</b>             | <b>Jan-18</b>  | <b>Feb-18</b>  | <b>Mar-18</b>  | <b>Apr-18</b>  | <b>May-18</b>  | <b>Jun-18</b>  | <b>Jul-18</b>  | <b>Aug-18</b>  | <b>Sep-18</b>  | <b>Oct-18</b>  | <b>Nov-18</b>  | <b>Dec-18</b>  | <b>TOTAL</b>     |
| <b>YARA</b>              | 12,399         | 22,681         | 30,272         | 37,060         | 16,222         | 20,181         | 18,920         | 17,006         | 29,363         | 14,681         | 29,360         | 0              | <b>248,145</b>   |
| <b>TRINGEN I</b>         | 25,385         | 44,690         | 31,951         | 44,817         | 28,006         | 55,023         | 40,873         | 31,993         | 15,002         | 39,213         | 29,010         | 33,684         | <b>419,647</b>   |
| <b>TRINGEN II</b>        | 39,143         | 31,755         | 63,709         | 9,351          | 2,562          | 16,407         | 41,204         | 20,907         | 32,685         | 60,408         | 27,221         | 27,131         | <b>372,483</b>   |
| <b>NUTRIEN (1,2,3,4)</b> | 141,203        | 111,197        | 146,651        | 94,226         | 170,275        | 143,421        | 72,069         | 117,626        | 106,107        | 136,155        | 121,552        | 161,408        | <b>1,521,890</b> |
| <b>PLNL</b>              | 72,361         | 64,993         | 86,856         | 44,683         | 31,736         | 41,020         | 42,268         | 63,230         | 43,406         | 40,254         | 82,753         | 46,214         | <b>659,774</b>   |
| <b>CNC</b>               | 20,569         | 31,714         | 40,164         | 36,263         | 55,398         | 75,615         | 54,602         | 28,453         | 73,683         | 39,856         | 13,329         | 49,678         | <b>519,324</b>   |
| <b>N2000</b>             | 33,436         | 34,971         | 56,450         | 53,345         | 71,080         | 25,714         | 65,412         | 33,848         | 81,970         | 56,344         | 28,676         | 56,628         | <b>597,874</b>   |
| <b>AUM-NH3</b>           | 0              | 0              | 0              | 25,240         | 0              | 0              | 17,000         | 0              | 0              | 5,001          | 0              | 0              | <b>47,241</b>    |
| <b>TOTAL</b>             | <b>344,496</b> | <b>342,001</b> | <b>456,053</b> | <b>344,985</b> | <b>375,279</b> | <b>377,381</b> | <b>352,348</b> | <b>313,063</b> | <b>382,216</b> | <b>391,912</b> | <b>331,901</b> | <b>374,743</b> | <b>4,386,378</b> |

NOTE: Figures in **RED/Italics** are preliminary.

TABLE 5C - PRODUCTION AND EXPORT OF DOWNSTREAM AMMONIA PRODUCTS IN 2018 (MT)

| PRODUCTION (MT) |                |                |                |                |                |                |                |                |                |                |                |                |                  |
|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|
| PRODUCT         | Jan-18         | Feb-18         | Mar-18         | Apr-18         | May-18         | Jun-18         | Jul-18         | Aug-18         | Sep-18         | Oct-18         | Nov-18         | Dec-18         | TOTAL            |
| Urea            | 62,873         | 55,360         | 65,256         | 57,621         | 62,755         | 57,574         | 61,508         | 43,611         | 52,628         | 0              | 13,059         | 47,725         | <b>579,970</b>   |
| UAN             | 103,468        | 100,188        | 31,079         | 54,179         | 120,483        | 110,073        | 127,611        | 118,526        | 121,452        | 123,595        | 96,453         | 118,892        | <b>1,225,999</b> |
| Melamine        | 1,939          | 2,287          | 358            | 2,594          | 2,433          | 2,770          | 2,862          | 2,485          | 2,450          | 2,640          | 2,053          | 2,787          | <b>27,658</b>    |
| <b>TOTAL</b>    | <b>168,280</b> | <b>157,835</b> | <b>96,693</b>  | <b>114,394</b> | <b>185,671</b> | <b>170,417</b> | <b>191,981</b> | <b>164,622</b> | <b>176,530</b> | <b>126,235</b> | <b>111,565</b> | <b>169,404</b> | <b>1,833,627</b> |
| EXPORT (MT)     |                |                |                |                |                |                |                |                |                |                |                |                |                  |
| PRODUCT         | Jan-18         | Feb-18         | Mar-18         | Apr-18         | May-18         | Jun-18         | Jul-18         | Aug-18         | Sep-18         | Oct-18         | Nov-18         | Dec-18         | TOTAL            |
| Urea            | 57,750         | 44,086         | 69,245         | 67,200         | 61,059         | 70,665         | 48,940         | 42,159         | 44,573         | 15,740         | 6,841          | 58,171         | <b>586,430</b>   |
| UAN             | 77,145         | 76,146         | 69,983         | 94,642         | 114,475        | 103,975        | 138,583        | 127,539        | 76,532         | 110,137        | 97,729         | 131,441        | <b>1,218,327</b> |
| Melamine        | 1,280          | 2,020          | 840            | 2,200          | 2,320          | 2,640          | 3,280          | 2,140          | 2,640          | 2,580          | 2,080          | 2,485          | <b>26,505</b>    |
| <b>TOTAL</b>    | <b>136,175</b> | <b>122,252</b> | <b>140,068</b> | <b>164,042</b> | <b>177,854</b> | <b>177,280</b> | <b>190,803</b> | <b>171,838</b> | <b>123,745</b> | <b>128,457</b> | <b>106,650</b> | <b>192,097</b> | <b>1,831,262</b> |

NOTE: Figures in **RED/Italics** are preliminary.

TABLE 5D - PRODUCTION AND EXPORT OF METHANOL IN 2018 (MT)

| PRODUCTION (MT) |                |                |                |                |                |                |                |                |                |                |                |                |                  |
|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|
| PLANT           | Jan-18         | Feb-18         | Mar-18         | Apr-18         | May-18         | Jun-18         | Jul-18         | Aug-18         | Sep-18         | Oct-18         | Nov-18         | Dec-18         | TOTAL            |
| TTMC I          | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0                |
| CMC             | 3,949          | 0              | 0              | 0              | 0              | 0              | 27,485         | 45,045         | 15,565         | 22,800         | 39,887         | 37,466         | 192,197          |
| TTMC II         | 44,589         | 41,352         | 50,872         | 41,414         | 46,420         | 49,535         | 46,133         | 43,943         | 42,156         | 35,581         | 3,708          | 39,912         | 485,615          |
| MIV             | 43,500         | 44,473         | 50,368         | 45,538         | 47,462         | 46,662         | 45,409         | 1,942          | 44,546         | 51,036         | 46,531         | 49,454         | 516,921          |
| TITAN           | 64,729         | 64,275         | 68,670         | 56,695         | 67,230         | 57,682         | 66,524         | 60,017         | 31,922         | 54,509         | 56,361         | 55,269         | 703,883          |
| ATLAS           | 117,908        | 140,849        | 155,268        | 145,193        | 118,700        | 148,008        | 140,655        | 50,657         | 115,357        | 151,822        | 147,302        | 149,980        | 1,581,699        |
| M5000           | 150,902        | 132,543        | 159,058        | 150,325        | 155,844        | 136,696        | 30,655         | 154,946        | 155,018        | 60,270         | 153,768        | 161,011        | 1,601,036        |
| <b>TOTAL</b>    | <b>425,577</b> | <b>423,492</b> | <b>484,236</b> | <b>439,165</b> | <b>435,656</b> | <b>438,583</b> | <b>356,861</b> | <b>356,550</b> | <b>404,564</b> | <b>376,018</b> | <b>447,557</b> | <b>493,092</b> | <b>5,081,351</b> |
| EXPORT (MT)     |                |                |                |                |                |                |                |                |                |                |                |                |                  |
| PLANT           | Jan-18         | Feb-18         | Mar-18         | Apr-18         | May-18         | Jun-18         | Jul-18         | Aug-18         | Sep-18         | Oct-18         | Nov-18         | Dec-18         | TOTAL            |
| TTMC I          | 17,493         | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 22,005         | 0              | 0              | 39,498           |
| CMC             | 58,895         | 86,906         | 62,938         | 90,187         | 103,055        | 88,990         | 53,589         | 93,285         | 40,584         | 98,429         | 86,160         | 127,294        | 990,312          |
| TTMC II         | 59,052         | 70,554         | 68,223         | 82,152         | 21,566         | 44,825         | 27,863         | 16,157         | 86,580         | 63,108         | 14,513         | 34,212         | 588,805          |
| MIV             | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0                |
| TITAN           | 84,052         | 61,598         | 79,271         | 57,374         | 69,618         | 56,826         | 67,041         | 74,618         | 19,224         | 59,102         | 37,337         | 56,999         | 723,060          |
| ATLAS           | 132,074        | 142,959        | 138,999        | 162,003        | 129,841        | 119,703        | 169,773        | 40,077         | 96,810         | 164,396        | 125,845        | 164,931        | 1,587,411        |
| M5000           | 120,273        | 46,163         | 146,899        | 102,187        | 107,689        | 100,940        | 62,776         | 118,102        | 67,231         | 68,018         | 72,637         | 68,095         | 1,081,010        |
| <b>TOTAL</b>    | <b>471,839</b> | <b>408,180</b> | <b>496,330</b> | <b>493,903</b> | <b>431,769</b> | <b>411,284</b> | <b>381,042</b> | <b>342,239</b> | <b>310,429</b> | <b>475,058</b> | <b>336,492</b> | <b>451,531</b> | <b>5,010,096</b> |

NOTE: Figures in **RED/Italics** are preliminary.

**TABLE 5E (I) - PRODUCTION OF LNG FROM ALNG IN 2018 (M<sup>3</sup>)**

|                | Jan-18           | Feb-18           | Mar-18           | Apr-18           | May-18           | Jun-18           | Jul-18           | Aug-18           | Sep-18           | Oct-18           | Nov-18           | Dec-18           | TOTAL             |
|----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|
| <b>Train 1</b> | 715,842          | 542,405          | 375,924          | 216,346          | 566,139          | 610,362          | 656,363          | 600,010          | 486,524          | 378,304          | 347,996          | 512,428          | <b>6,008,643</b>  |
| <b>Train 2</b> | 577,267          | 504,805          | 561,478          | 623,140          | 647,536          | 644,358          | 614,312          | 600,913          | 35,292           | 300,354          | 609,393          | 677,504          | <b>6,396,352</b>  |
| <b>Train 3</b> | 444,282          | 306,755          | 653,349          | 669,303          | 666,510          | 628,926          | 672,264          | 697,885          | 620,385          | 694,941          | 566,103          | 605,949          | <b>7,226,652</b>  |
| <b>Train 4</b> | 955,259          | 822,856          | 970,743          | 816,851          | 440,067          | 639,473          | 552,421          | 614,920          | 619,319          | 805,892          | 795,733          | 784,337          | <b>8,817,871</b>  |
| <b>TOTAL</b>   | <b>2,692,650</b> | <b>2,176,821</b> | <b>2,561,494</b> | <b>2,325,640</b> | <b>2,320,252</b> | <b>2,523,119</b> | <b>2,495,360</b> | <b>2,513,728</b> | <b>1,761,520</b> | <b>2,179,491</b> | <b>2,319,225</b> | <b>2,580,218</b> | <b>28,449,518</b> |

**TABLE 5E (II) - PRODUCTION OF LNG FROM ALNG IN 2018 (MMBTU)\*\***

|                | Jan-18            | Feb-18            | Mar-18            | Apr-18            | May-18            | Jun-18            | Jul-18            | Aug-18            | Sep-18            | Oct-18            | Nov-18            | Dec-18            | TOTAL              |
|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| <b>Train 1</b> | 16,141,736        | 12,201,726        | 8,485,808         | 4,798,295         | 12,730,541        | 13,757,437        | 14,784,117        | 13,513,065        | 10,991,891        | 8,401,754         | 7,850,825         | 11,545,720        | <b>135,202,915</b> |
| <b>Train 2</b> | 12,857,122        | 11,216,161        | 12,519,050        | 13,958,211        | 14,509,598        | 14,425,565        | 13,749,900        | 13,488,574        | 650,668           | 6,673,836         | 13,610,549        | 15,149,938        | <b>142,809,173</b> |
| <b>Train 3</b> | 9,962,491         | 6,949,995         | 14,607,316        | 14,986,163        | 14,926,025        | 14,105,804        | 15,121,167        | 15,632,066        | 13,952,024        | 15,598,646        | 12,725,486        | 13,574,348        | <b>162,141,529</b> |
| <b>Train 4</b> | 21,484,539        | 18,437,076        | 21,812,886        | 18,371,061        | 9,846,499         | 14,267,794        | 12,271,701        | 13,700,418        | 13,863,394        | 17,926,020        | 17,729,727        | 17,512,990        | <b>197,224,105</b> |
| <b>TOTAL</b>   | <b>60,445,888</b> | <b>48,804,958</b> | <b>57,425,060</b> | <b>52,113,729</b> | <b>52,012,663</b> | <b>56,556,600</b> | <b>55,926,885</b> | <b>56,334,122</b> | <b>39,457,977</b> | <b>48,600,256</b> | <b>51,916,586</b> | <b>57,782,997</b> | <b>637,377,722</b> |

\*\* NOTE : M<sup>3</sup> converted to MMBTU ; conversion factors vary by train & by month.

**TABLE 5F(I) - LNG SALES & DELIVERIES FROM ALNG IN 2018 (MMBTU)**

|                | Jan-18            | Feb-18            | Mar-18            | Apr-18            | May-18            | Jun-18            | Jul-18            | Aug-18            | Sep-18            | Oct-18            | Nov-18            | Dec-18            | TOTAL              |
|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| <b>Train 1</b> | 14,469,645        | 11,666,617        | 11,431,271        | 11,729,741        | 11,901,088        | 15,283,598        | 9,953,922         | 12,657,203        | 7,256,498         | 29,194            | 0                 | 11,488,497        | <b>117,867,274</b> |
| <b>Train 2</b> | 12,369,319        | 8,092,248         | 14,760,521        | 14,495,049        | 12,214,082        | 15,600,737        | 10,874,625        | 16,608,164        | 8,737,894         | 15,493,753        | 14,428,272        | 15,432,699        | <b>159,107,363</b> |
| <b>Train 3</b> | 8,770,794         | 11,572,267        | 13,712,876        | 9,602,603         | 7,332,745         | 17,069,494        | 16,728,841        | 15,651,270        | 8,585,313         | 17,066,005        | 13,008,810        | 16,757,229        | <b>155,858,247</b> |
| <b>Train 4</b> | 25,771,026        | 18,649,129        | 16,261,533        | 16,480,982        | 16,599,764        | 12,222,898        | 15,121,787        | 14,966,449        | 17,300,581        | 12,632,759        | 22,944,276        | 16,048,396        | <b>204,999,580</b> |
| <b>TOTAL</b>   | <b>61,380,784</b> | <b>49,980,261</b> | <b>56,166,201</b> | <b>52,308,375</b> | <b>48,047,679</b> | <b>60,176,727</b> | <b>52,679,175</b> | <b>59,883,086</b> | <b>41,880,286</b> | <b>45,221,711</b> | <b>50,381,358</b> | <b>59,726,821</b> | <b>637,832,464</b> |

**TABLE 5F(II) - LNG SALES & DELIVERIES FROM ALNG IN 2018 (M<sup>3</sup>)\*\*\***

|                | Jan-18           | Feb-18           | Mar-18           | Apr-18           | May-18           | Jun-18           | Jul-18           | Aug-18           | Sep-18           | Oct-18           | Nov-18           | Dec-18           | TOTAL             |
|----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|
| <b>Train 1</b> | 641,689          | 518,618          | 506,409          | 528,872          | 529,252          | 678,072          | 441,919          | 562,008          | 321,188          | 1,315            | 0                | 509,888          | <b>5,239,229</b>  |
| <b>Train 2</b> | 555,365          | 364,207          | 662,008          | 647,106          | 545,091          | 696,850          | 485,852          | 739,890          | 473,940          | 697,292          | 646,005          | 690,149          | <b>7,203,756</b>  |
| <b>Train 3</b> | 391,138          | 510,770          | 613,343          | 428,866          | 327,438          | 761,066          | 743,739          | 698,742          | 381,751          | 760,314          | 578,707          | 748,030          | <b>6,943,904</b>  |
| <b>Train 4</b> | 1,145,847        | 832,320          | 723,690          | 732,811          | 741,889          | 547,822          | 680,720          | 671,744          | 752,310          | 567,925          | 1,029,769        | 718,744          | <b>9,145,590</b>  |
| <b>TOTAL</b>   | <b>2,734,040</b> | <b>2,225,915</b> | <b>2,505,450</b> | <b>2,337,654</b> | <b>2,143,671</b> | <b>2,683,810</b> | <b>2,352,230</b> | <b>2,672,384</b> | <b>1,929,189</b> | <b>2,026,845</b> | <b>2,254,481</b> | <b>2,666,811</b> | <b>28,532,480</b> |

\*\*\* NOTE : MMBTU converted to M<sup>3</sup> ; conversion factors vary by train & by month. Figures in *RED/Italics* are preliminary.

**TABLE 5G - NGL SALES & DELIVERIES FROM ALNG IN 2018 (BBLS)**

| <b>NGL SALES AND DELIVERIES (BBLS)</b> |                |                |                |                |                |                |                |                |                |                |                |                |                  |
|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|
|  | Jan-18         | Feb-18         | Mar-18         | Apr-18         | May-18         | Jun-18         | Jul-18         | Aug-18         | Sep-18         | Oct-18         | Nov-18         | Dec-18         | TOTAL            |
| <b>Train 1</b>                         | 157,985        | 111,463        | 63,294         | 43,115         | 105,027        | 105,845        | 110,005        | 103,473        | 65,723         | 51,752         | 52,480         | 85,277         | <b>1,055,439</b> |
| <b>Train 2</b>                         | 45,939         | 31,992         | 47,159         | 66,533         | 78,870         | 79,641         | 64,869         | 60,792         | 2,141          | 16,561         | 33,731         | 40,738         | <b>568,966</b>   |
| <b>Train 3</b>                         | 89,299         | 56,094         | 135,062        | 105,924        | 80,112         | 85,296         | 89,906         | 100,108        | 69,733         | 93,834         | 93,964         | 104,146        | <b>1,103,478</b> |
| <b>Train 4</b>                         | 198,845        | 178,086        | 206,262        | 169,597        | 97,151         | 120,825        | 101,712        | 105,902        | 118,249        | 157,693        | 156,584        | 145,357        | <b>1,756,263</b> |
| <b>TOTAL</b>                           | <b>492,068</b> | <b>377,635</b> | <b>451,777</b> | <b>385,169</b> | <b>361,160</b> | <b>391,607</b> | <b>366,492</b> | <b>370,275</b> | <b>255,846</b> | <b>319,840</b> | <b>336,759</b> | <b>375,518</b> | <b>4,484,146</b> |

NOTE: Local NGL sales from ALNG are to mainly PPGPL. Local NGL deliveries are to Petrotrin. Sold & delivered NGL volumes have been included in both PPGPL's & Petrotrin's production data.