Annual Summary and Expenditure Report on Mining Activities and Production Operations

The information in this form is required from the permit holder under regulations 39 to 41 of the Crown Minerals (Petroleum) Regulations 2007; specifically the items outlined in Parts 2 and 3 of Schedule 6.

[Read the relevant areas of this regulation on the Legislation website](http://www.legislation.govt.nz/regulation/public/2007/0138/latest/whole.html#DLM438318)

# Permit information

|  |  |  |  |
| --- | --- | --- | --- |
| **Permit holder name and address** | | **Permit number** |  |
|  | | **Reporting period From** | 1 January 2020 |
| **To** | 31 December 2020 |
| **Permit type** | Mining Permit **OR** Mining Licence | **Operation name** |  |

Change dates if the permit was awarded after 1 January or if the permit ended before 1 December.

# Declaration

I declare that any information provided in this submission is true and correct to the best of my knowledge and that I am authorised to make this submission on behalf of the permit participant(s).

|  |  |
| --- | --- |
| **Print name:** |  |
| **Position:** |  |
| **Company:** |  |
| **Date:** |  |

# Document control

* List all people who were involved in creating your reporting.
* Include people who took part in creating the Production Data and Resources and Reserves templates.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Position** | **Phone** | **Email** | **Part**  *The applicable submission document (or part thereof)* | **Role**  *Author, reviewer etc.* |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

# Template instructions

When to submit your reporting

* Use this form if there has been production under the permit in the last calendar year.  
  If there hasn’t been any production, complete the *TEMPLATE r38 & r41 Report* form
* Supply this information **no later than 31 March** following the end of each calendar year in which the permit was in force

How to submit your reporting

* Follow the instructions outlined for each area of reporting.
* When filling in Excel tables, all columns are compulsory, and cells will be orange until a value is entered.
* Save this template and name your file P**XY** **ZZZZZ** ASR 20**yy**
  + X is the permit type: prospecting (P), exploration (E) or mining (M)
  + Y is licence (L) or permit (P)
  + ZZZZZ is your permit number
  + yy is the current year.
* Include any report that you have produced for activity under this permit, as outlined in the sections below, and as required under section 90(3)(b) of the Crown Minerals Act(1991).
* Upload all your forms and attachments in native Word or Excel format at <https://permits.nzpam.govt.nz/aca/>

Additional information

For more information, go to <https://www.nzpam.govt.nz/permits/petroleum/compliance-reporting/>

If you have any questions, please email [nzpam@mbie.govt.nz](mailto:nzpam@mbie.govt.nz).

# Information to be included in annual report under regulation 39

## Production data

**Sections 1. to 7. and 9. of Schedule 6, Part 2**

* Provide these in the Excel spreadsheet called *TEMPLATE Production Data.*
* Complete a separate tab for each well and for each reservoir related to the permit.

This template allows you to report the following:

|  |  |  |
| --- | --- | --- |
| **Reporting field from the regulation** | **For** | **How** |
| 1. Calculated, measured daily, monthly and cumulative production rates | For each well, reservoir, and field | Enter daily data per well, and the method to get it.  Cumulative production, and reservoir and field production are calculated |
| 3. Calculated daily and monthly gas and water injection rates | For each well | Enter daily data per well, and the method to get it. |
| 2. Number of days or part days that they were in production | For each well, reservoir, and field | Calculated from your daily numbers |
| 4. Number of days or part-days on which gas and water injection occurred | For each well | Calculated from your daily numbers |
| 5. Watercut, and the gas to oil, and condensate to gas ratios | For each well and reservoir | Calculated from your daily numbers |
| 7. Fuel gas or oil used and gas or oil flared in extracting petroleum | For each field | Entered in a separate tab, per field and per month |
| 6. Flowing tube head and flowing down-hole pressures | For each measured well  Mandatory if measured | Enter daily data per well |
| 9. Static tube head and static down-hole pressures | For each well Mandatory if measured | Enter daily data per well |

**Section 8. of Schedule 6, Part 2**

* Provide this in the Excel spreadsheet called *TEMPLATE Resources and Reserves.*
* Complete a separate tab for each well related to the permit.

|  |  |  |
| --- | --- | --- |
| **Reporting field from the regulation** | **For** | **How** |
| Oil, condensate, and gas gravity (using the American Petroleum Institute scale) | For each measured location  Mandatory if measured | Enter your measured data for each reservoir |

## Completion intervals

**10. For each well, the completion and perforation intervals.**

* Double click to open the table below. Do not modify the table columns.
* List completion intervals for all active wells in the permit
* Provide reports that show evidence for the data you provide for the formation, depth to top, and depth to base.
* Valid types are:
  + Open Hole
  + Line Completion
    - Slotted liner
    - Screen and liner
    - Cemented liner
  + Cased Hole
    - Single Completion
    - Multiple Completion
    - Alternate Completion
    - Slim Hole Completion



Additional information

Include additional information in the space below

Insert your response here

## Well suspensions

**11. For each well, any suspension or downtime and the reasons for it.**

* Double click to open the table below
* List any well with production downtime
* Valid statuses are:
  + Shut-in
  + Suspended
  + Permanently abandoned



Additional information

Include additional information in the space below

Insert your response here

## Well-site activities

**12. Any workovers and their purpose**

* Double click to open the tables below
* List any workover activity that has occurred on or in your wells in the first table
* List any stimulation activity in the second table

### Workover activities



Additional information

Include additional information in the space below

Insert your response here.

### Stimulation activities



Additional information

Include additional information in the space below

Insert your response here.

### Testing activities



Additional information

Include additional information in the space below

Insert your response here.

## Field investigations and surveys

**13 A summary of—**

**(a) the production, development, and exploration activities undertaken in the field or as studies; and**

**(b) the results of those activities, including—**

**(i) any significant revised views on the geology and geophysics (including any in relation to geological or seismic interpretations or models, structure, and stratigraphy); and**

**(ii) any petrophysical interpretation carried out; and**

**(iii) reservoir fluid parameters; and**

**(iv) reservoir performance, reservoir model, production, and injection profiles; and**

**16 Details of any surveys undertaken during the report period.**

* Write a summary below of any geological, gravity, magnetic, geochemical surveys or literature reviews undertaken as either fieldwork or desktop studies.
* Add any figures or diagrams you wish  
  [Refer to regulation 44](http://www.legislation.govt.nz/regulation/public/2007/0138/latest/whole.html#DLM438071) for additional guidance
* If a report has been submitted to NZP&M in the past year, reference the Petroleum Report number in your summary
* If you are due to submit a report for an investigation or survey that happened between August and December of the past calendar year, include it in your summary

Insert your response here.

## Seismic - acquisition

**13 A summary of any seismic surveys carried out in relation to the permit, including**

**(a) if a two-dimensional survey, the total line kilometres acquired; or**

**(b) if a three-dimensional survey, the total area surveyed and the grid size**

* Double click to open the tables below
* List any seismic surveys undertaken, and their results
* Multi-client data purchased for submission to the chief executive as part of the permits work programme should be marked with (MC Data) after the survey name

### 2D



### 3D



Additional information

Include additional information in the space below

Insert your response here

## Seismic - reprocessing

**13 A summary of any reprocessed geophysical data obtained, including details of the total line kilometres processed**

* Double click to open the tables below
* List any reprocessed data

### 2D



### 3D



Additional information

Include additional information in the space below

Insert your response here

## Facilities

**14. A status report on any facilities under design or construction or that have been commissioned.**

* Write a high level summary below of any facilities under design or construction or that has been commissioned during the calendar year.

Insert your response here.

## Drilling activities

**15. Details of any drilling activities.**

* Double click to open the table on the next page
* Complete the table with any new drilling activity
* Include any re-entry and sidetracks as a new well



Additional information

Include additional information in the space below

Insert your response here

## Mining operations

**17. An outline of proposed mining operations to be undertaken in the next year**

* If you are not planning any mining operations for the next year, write it in the first summary, and leave the rest of this section blank.

Insert a summary here

### Proposed production profile for the projected life of the field

**17 (a) the proposed production profile for the projected life of the field (in tabular and graphic form); and**

* Complete the table below, and include a graph for your proposed production profile for the projected life of the field.

**

Insert your graph here

### Maximum deliverability profile

**17 (b) an indicative maximum deliverability profile using the installed infrastructure;**

Insert your response here

### Management programme

**17 (c) the proposed production and reservoir management programme.**

Insert your response here

## Reserves and resources

**18 (a-c, f) Petroleum initially in place and gas initially in place estimates**

* Provide these in the Excel spreadsheet called *TEMPLATE Resources and Reserves.*
* Complete a separate tab for each reservoir related to the permit.

This template allows you to report the following:

|  |  |
| --- | --- |
| **Reporting field from the regulation** | **How** |
| a & f. Oil and natural gas initially in place | Fill in the data in the template for each reservoir |
| b. Remaining and ultimately recoverable estimates, with: P90 / 1P (proven)  P50 / 2P (proven + probable)  P10 / 3P (proven + probable + possible)  Including explanation of the methodology used to calculate the estimates | Fill in the data in the template for each reservoir  Include the explanation in the space provided below this table. |
| c. C50 / 2C estimates for contingent resources |  |

### Explanation of the methodology used to calculate the estimates

Insert your response here

### Contingent resources

**18(d) a full explanation of why contingent resources are classified as contingent (including a description of development and cost thresholds)**

Insert your response here

### Reports resulting in revised estimates

**18(e) a copy of any report or any field study undertaken that results in a revised estimate of recoverable or in-place petroleum**

* List the reports you are joining to your annual report below*.*
* Include a description of:
  + Classification
  + Development
  + Cost thresholds, if known

Insert your response here

## Methodology and supplementary figures

**19. An explanation of the methodology for calculating any of the data referred to in clauses 1 to 18 if—**

**(a) an explanation of the methodology has not been supplied in previous reports under regulation 39; or**

**(b) the methodology has not previously been used in relation to the permit.**

* Provide an overview of the methodologies you use to get your data in the table below.

|  |  |
| --- | --- |
| **Data** | **Methodology** |
| **Production rates** | Insert your response here |
| **Water and gas injection volumes** | Insert your response here |
| **Tube head and down-hole pressures** | Insert your response here |
| **Reserves estimates** | Insert your response here |
| **Gas gravity** | Insert your response here |

**20. Supplementary figures and diagrams, if appropriate**

Insert your graphs here

## Well test figures

**21. The daily oil, condensate, gas, and water production figures, per well, from any appraisal activities**

* If you are doing appraisal activities, even if your permit is for production, provide your production data for testing wells in the TEMPLATE Production Data

Insert your response here

## Iwi engagement report

**22. The iwi engagement report required under section 33C of the Act**

The purpose of the report is to encourage engagement with relevant iwi and hapū in a positive and constructive manner. It will enable NZP&M to monitor progress in this regard.

Your response should be a high level indication of how iwi engagement is progressing, not a detailed account of each transaction.

How we will use your iwi engagement report

Your report will be an agenda item in the annual review meetings.

NZP&M will monitor the engagement with iwi and hapū, assess whether the views of iwi and hapū are included in the report ,and will take into account any comments received from iwi and hapū.

NZP&M may discuss with iwi and hapū the outcome of the review of the report.

What to include in your report

* Describe at a high level the engagement you did over the previous calendar year regarding permit activities, with iwi and hapū
  + Whose rohe includes some or all of the permit area
  + Who may be directly affected by the permit
* List any engagement with, or notification to iwi or hapū that has taken place as a requirement of any other legislation
* Examples and details are welcome, but not required
* Where applicable, note why there has not been any engagement.

Insert your response here.

## System deliverability

**23. A report of minimum, average, and maximum daily and hourly system deliverability for gas using the installed infrastructure.**

* Complete the table below

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Minimum** | | **Average** | | **Maximum** | |
|  | **GJ** | **Cubic feet** | **GJ** | **Cubic feet** | **GJ** | **Cubic feet** |
| **Hourly** |  |  |  |  |  |  |
| **Daily** |  |  |  |  |  |  |

Additional information

Include additional information in the space below

Insert your response here

## Injection volumes

**24. The cumulative gas and water injection volumes since reservoir and well injection commenced**

* Provide these in the Excel spreadsheet called *TEMPLATE Production Data.*
* This is part of the data expected in each separate tab for each well related to the permit.

This template allows you to report in the following way:

|  |  |  |
| --- | --- | --- |
| **Reporting field from the regulation** | **For** | **How** |
| 24. Cumulative gas and water injection volumes since reservoir and well injection commenced | For each well | Enter daily data per well.  This will comply with this reporting requirement. |

# Information to be included in annual report under regulation 41 on expenditure incurred under permit

## Expenditure

**Information to be included in annual report under regulation 41 on expenditure incurred under permit**

* Complete the table below
* All amounts should be entered in $NZ (GST included)
* Include:
  + Permit fees
  + Unattributed time in permit admin
  + Any planning time/costs with the related activity
* If no costs have occurred in a specific activity, enter ‘0’ as a value.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Activity** | **Expenditure $NZD** | **Note (if required)** |
| 1 | **Exploration drilling**  *Including any re-entries and side-tracks* | $ |  |
| 2 | **Appraisal drilling**  *Including any re-entries and side-tracks* | $ |  |
| 3 | **Development drilling**  *Including any re-entries and side-tracks* | $ |  |
| 4 | **Seismic reprocessing** | $ |  |
| 5 | **Seismic acquisition**  *This includes the licencing of any multi-client data* | $ |  |
| 6 | **Geological and geophysical technical analyses** | $ |  |
| 7 | **Permit administration**  *Such as annual fees, application fees, and general administration (it is not possible for this field to be blank)* | $ |  |
| 8 | **Environmental regulation**  *This includes costs associated to any resource/marine consent application and subsequent conditions, as well as other environmental administration* | $ |  |
| 9(a) | **Operating expenditure for production activities\*** | $ |  |
| 9(b) | **Capital expenditure for production activities\*** | $ |  |