2 B-Geophysical Data Information

Remarks

- Area name and Subarea name

  In case there are headwords of "Area name" and "Subarea name" in the layout,

  output "Area name" at the position formatted as "Area name" according to "Main area code", output "Area name" at the position formatted as "Subarea name" according to "Area code".

  In case the headword only "Area name",

  output "Area name" at the position formatted according to "Main area code" or "Area code".

(1) BPB51100

Output Reporting Method

- B0-1 Seismic survey information
- B0-11 Field operation
- B0-12 Data processing
- B0-13 Interpretation
- B0-14 Interpretation map
- B0-15 Seismic section

Assignment Parameter

- Header card of "Basic Output"
- Independent assignment card
  - "Field Card"
  - "Geophysical Survey Card"

Segment Name

(PBAGPSVY, "Geophysical Survey")

- PBA01SVY, "Geophysical Survey"
- PBA02FLD, "Field Operation"
- PBA03LOC, "Location Map and Report Reference"
- PBA04COS, "Field Operation Cost"
- PBA05DPR, "Data Processing"
- PBA06LIN, "Line Number"
- PBA07REP, "Section and Report Reference"
- PBA08COS, "Data Processing Cost"
- PBA09INT, "Interpretation"
- PBA11IMR, "Map and Report Reference"
- PBA15FLD, "Field or Prospect Reference"

(PBBGPMAP, "Geophysical Map")

- PBB01MAP, "Geophysical Map"
- PBB02SEC, "Section Reference"

(PBCGPSEC, "Geophysical Seismic Section")

- PBC01SEC, "Geophysical Seismic Section"
- PBC02MAP, "Map Reference"

(PBDGPREP, "Geophysical Report")

- PBD01REP, "Geophysical Report"

Master File Name

- Field master
- Company master

Output Sequence

- Survey code

Condition of Changing Page

- Survey code

Supplementary Explanation for Output Item

- FIELD OPERATION
  - OBSERVED BY

    Refer to "Company master" through "Company code" in "PBA02FLD", and output the data of "Company name".

  - CONDUCTED COMPANY

    Refer to "Company master" through "Operator code" in "PBA02FLD", and output the data of "Operator name".

  - KIND OF MAP

    Refer to "PBB01MAP" through "Map and report code" in "PBA03LOC", and output the data related to the headword.

  - REPORT

    Refer to "PBD01REP" through "Map and report code" in "PBA03LOC", and output the data related to the headword.

  - OPERATION COST
    - LENGTH RECORDED PER YEAR
      - [SP'S]

        "No. of stations per year" in "PBA04COS"

- UNTI COST

  - OPERATION COST PER KM

    OPERATION COST PER KM = Total for operation cost per year (PBA04COS) / Total for length recorded per year (PBA04COS)

  - OPERATION COST PER SP

    OPERATION COST PER SP = Total for operation cost per year (PBA04COS) / Total for No. of stations per year (PBA04COS)

- DATA PROCESSING

  - PROCESSED BY

    Refer to "Company master" through "Company code" in "PBA05DPR", and output the data of "Company name".

  - CONDUCTED COMPANY

    Refer to "Company master" through "Operator code" in "PBA05DPR", and output the data of "Operator name".

  - REPORT

    Refer to "PBD01REP" through "Map and report code" in "PBA07REP", and output the data related to the headword.

  - SEISMIC SECTION

    Refer to "PBC01SEC" through "Section code" in "PBA07REP", and output the data related to the headword.

  - PROCESSING COST

    - LENGTH PROCESSED PER YEAR

      - [SP'S]

        "No. of stations processed per year" in "PBA08COS"

  - UNIT COST

    Same as "UNIT COST of FIELD OPERATION"

- INTERPRETATION

  - INTERPRETED BY

    Refer to "Company master" through "Company code" in "PBA09INT", and output the data of "Company name" and "Author" in "PBA09INT".

  - CONDUCTED COMPANY

    Refer to "Company master" through "Operator code" in "PBA09INT", and output the data of "Operator name".

  - REPORT

    Refer to "PBD01REP" through "Map and report code" in "PBA11IMR", and output the data related to the headword.

  - SEISMIC SECTION

    Refer to "PBC01SEC" through "Section code" in "PBB02SEC", and output the data related to the headword.

  - UNIT COST

    Same as "UNIT COST of FIELD OPERATION"

- INTERPRETATION MAP

  - INTERPRETED BY

    Same as "INTERPRETED BY of INTERPRETATION"

  - CONDUCTED COMPANY

    Same as "CONDUCTED COMPANY of INTERPRETATION"

  - KIND OF MAP

    Refer to "PBB01MAP" through "Map and report code" in "PBA11IMR", and output the data related to the headword.

  - SEISMIC SECTION

    Refer to "PBC01SEC" through "Section code" in "PBB02SEC", and output the data of "Section Number".

(2) EPB51110

Output Reporting Method

- B0-2 Magnetic survey information
- B0-21 Field operation
- B0-22 Data processing
- B0-23 Interpretation
- B0-24 Interpretation map

Assignment Parameter

- Header card of "Basic Output"
- Independent assignment card
  - "Field Card"
  - "Geophysical Survey Card"

Segment Name

(PBAGPSVY, "Geophysical Survey")

- PBA01SVY, "Geophysical Survey"
- PBA02FLD, "Field Operation"
- PBA03LOC, "Location Map and Report Reference"
- PBA04COS, "Field Operation Cost"
- PBA05DPR, "Data Processing"
- PBA06LIN, "Line Number"
- PBA07REP, "Section and Report Reference"
- PBA08COS, "Data Processing Cost"
- PBA09INT, "Interpretation"
- PBA11IMR, "Map and Report Reference"
- PBA15FLD, "Field or Prospect Reference"

(PBBGPMAP, "Geophysical Map")

- PBB01MAP, "Geophysical Map"

(PBCGPREP, "Geophysical Report")

- PBD01REP, "Geophysical Report"

Master File Name

- Field master
- Company master

Output Sequence

- Survey code

Condition of Changing Page

- Survey code

Supplementary Explanation for Output Item

- FIELD OPERATION
  - OBSERVED BY

    Refer to "Company master" through "Company code" in "PBA02FLD", and output the data of "Company name".

  - CONDUCTED COMPANY

    Refer to "Company master" through "Operator code" in "PBA02FLD", and output the data of "Operator name".

  - KIND OF MAP

    Refer to "PBB01MAP" through "Map and report code" in "PBA03LOC", and output the data related to the headword.

  - REPORT

    Refer to "PBD01REP" through "Map and report code" in "PBA03LOC", and output the data related to the headword.

  - OPERATION COST
    - LENGTH OBSERVED PER YEAR
      - [STATIONS]

        "No. of stations per year" in "PBA04COS"

- UNIT COST

  - OPERATION COST PER KM

$$\text{OPERATION COST PER KM} = \frac{\text{Total for operation cost per year (PBA04COS)}}{\text{Total for length recorded per year (PBA04COS)}}$$

  - OPERATION COST PER STATION

$$\text{OPERATION COST PER STATION} = \frac{\text{Total for operation cost per year (PBA04COS)}}{\text{Total for No. of stations per year (PBA04COS)}}$$

- DATA PROCESSING

  - PROCESSED BY

    Refer to "Company master" through "Company code" in "PBA05DPR", and output the data of "Company name".

  - CONDUCTED COMPANY

    Refer to "Company master" through "Operation code" in "PBA05DPR", and output the data of "Operator name".

  - REPORT

    Refer to "PBD01REP" through "Map and report code" in "PBA07REP", and output the data related to the headword.

  - PROCESSING COST

    - LENGTH PROCESSED PER YEAR

      - (STATIONS)

        "No. of stations processed per year" in "PBA08COS"

  - UNIT COST

    Same as "UNIT COST of FIELD OPERATION"

- INTERPRETATION

  - INTERPRETED BY

    Refer to "Company master" through "Company code" in "PBA09INT", and output the data of "Company name" and "Author" in "PBA09INT".

- CONDUCTED COMPANY

  Refer to "Company master" through "Operator code" in "PBA09INT", and output the data of "Operator name".

- REPORT

  Refer to "PBD01REP" through "Map and report code" in "PBA11IMR", and output the data related to the headword.

- UNIT COST

  Same as "UNIT COST of FIELD OPERATION"

- INTERPRETATION MAP

  - INTERPRETED BY

    Same as "INTERPRETED BY of INTERPRETATION"

  - CONDUCTED COMPANY

    Same as "CONDUCTED COMPANY of INTERPRETATION"

  - KIND OF MAP

    Refer to "PBB01MAP" through "Map and report code" in "PBA11IMR", and output the data related to the headword.

(3) EPB51120

Output Reporting Method

- B0-3 Gravity survey information
- B0-31 Field operation
- B0-32 Data processing
- B0-33 Interpretation
- B0-34 Interpretation map

Assignment Parameter

- Header card of "Basic Output"
- Independent assignment card
  - "Field Card"
  - "Geophysical Survey Card"

Segment Name

(PBAGPSVY, "Geophysical Survey")
- PBA01SVY, "Geophysical Survey"
- PBA02FLD, "Field Operation"
- PBA03LOC, "Location Map and Report Reference"
- PBA04COS, "Field Operation Cost"
- PBA05DPR, "Data Processing"
- PBA06LIN, "Line Number"
- PBA07REP, "Section and Report Reference"
- PBA08COS, "Data Processing Cost"
- PBA09INT, "Interpretation"
- PBA11IMR, "Map and Report Reference"
- PBA15FLD, "Field or Prospect Reference"

(PBBGPMAP, "Geophysical Map")
- PBB01MAP, "Geophysical Map"

(PBDGPREP, "Geophysical Report")
- PBD01REP, "Geophysical Report"

Master File Name

- Field master
- Company master

Output Sequence

- Survey code

Condition of Changing Page

- Survey code

Supplementary Explanation for Output Item

- FIELD OPERATION
    - OBSERVED BY

      Refer to "Company master" through "Company code" in "PBA02FLD", and output the data of "Company name".

    - CONDUCTED COMPANY

      Refer to "Company master" through "Operator code" in "PBA02FLD", and output the data of "Operator name".

    - KIND OF MAP

      Refer to "PBB01MAP" through "Map and report code" in "PBA03LOC", and output the data related to the headword.

    - REPORT

      Refer to "PBD01REP" through "Map and report code" in "PBA03LOC", and output the data related to the headword.

    - OPERATION COST
        - LENGTH OBSERVED PER YEAR
            - [STATIONS]

              "No. of stations per year" in "PBA04COS"

- CONDUCTED COMPANY

  Refer to "Company master" through "Operator code" in "PBA13WVS", and output the data of "Operator name".

- REPORT

  Refer to "PBD01REP" through "Map and report code" in "PBA14REP", and output the data related to the headword.

- UNIT COST

  - OPERATION COST PER KM

$$\text{OPERATION COST PER KM} = \frac{\text{Total for operation cost per year (PBA04COS)}}{\text{Total for length recorded per year (PBA04COS)}}$$

  - OPERATION COST PER STATION

$$\text{OPERATION COST PER STATION} = \frac{\text{Total for operation cost per year (PBA04COS)}}{\text{Total for No. of stations per year (PBA04COS)}}$$

(4) EPB51130

Output Reporting Method

- B0-4 Well velocity survey information

Assignment Parameter

- Header card of "Basic Output"
- Independent assignment card
  - "Field Card"
  - "Geophysical Survey Card"
  - "Well Card"

Segment Name

(PBAGPSVY, "Geophysical Survey")

- PBA01SVY, "Geophysical Survey"
- PBA13WVS, "Well Velocity Survey"
- PBA14REP, "Well Velocity Survey Report Reference"
- PBA15FLD, "Field or Prospect Reference"

Master File Name

- Field master
- Company master

Output Sequence

- Survey code

Condition of Changing Page

- Survey code

Supplementary Explanation for Output Item

- SURVEYED BY

  Refer to "Company master" through "Company code" in "PBA13WVS", and output the data of "Company name".

(5) EPB51140

Output Reporting Method

- B0-5 Special study information

Assignment Parameter

- Header card of "Basic Output"
- Independent assignment card
  - "Field Card"
  - "Geophysical Survey Card"

Segment Name

(PBAGPSVY, "Geophysical Survey")
- PBA01SVY, "Geophysical Survey"
- PBA09INT, "Interpretation"
- PBA10LIN, "Line Number"
- PBA11IMR, "Map and Report Reference"
- PBA12SDY, "Objective of Special Study"
- PBA15FLD, "Field or Prospect Reference"

(PBBGPMAP, "Geophysical Map")
- PBB01MAP, "Geophysical Map"
- PBB02SEC, "Section Reference"

(PBCGPSEC, "Geophysical Seismic Section")
- PBC01SEC, "Geophysical Seismic Section"
- PBC02MAP, "Map Reference"

(PBDGPREP, "Geophysical Report")
- PBD01REP, "Geophysical Report"

Master File Name

- Field master
- Company master

Output Sequence

- Special study code or Survey code

Condition of Changing Page

- Special study code or Survey code

Supplementary Explanation for Output Item

- STUDIED BY

  Refer to "Company master" through "Company code in "PBA09INT", and output the data of "Company name" and "Author" in "PBA09INT".

- CONDUCTED COMPANY

  Refer to "Company master" through "Operator code" in "PBA09INT", and output the data of "Operator name".

- KIND OF MAP

  Refer to "PBB01MAP" through "Map and report code" in "PBA11MR", and output the data related to the headword.

- REPORT

  Refer to "PBD01REP" through "Map and report code" in "PBA11MR", and output the data related to the headword.

(6) EPB51200

Output Reporting Method

- B1 Geophysical survey list by year

Assignment Parameter

- Head card of "Miscellaneous"
- Independent assignment card
  - "Company Card"

Segment Name

(PBAGPSVY, "Geophysical Survey")

- PBA01SVY, "Geophysical Survey"
- PBA02FLD, "Field Operation"
- PBA04COS, "Field Operation Cost"
- PBA15FLD, "Field or Prospect Reference"

Master File Name

- Field master

Output Sequence

- Year
- Main area code
- Survey code

Supplementary Explanation for Output Item

- SURVEY CODE

  Survey code is asterisked in case that the corresponding survey period extends over two years.

- PERIOD FOR FIELD OPERATION OR SURVEY

  Refer to "Survey code" in "PBA01SVY",

  (In case of "Seismic", "Magnetic" or "Gravity survey")
  "Period for field operation" in "PBA02FLD"

  (In case of "Well velocity survey" or "Special study")
  "Period for survey" in "PBA01SVY"

- FIELD OR PROSPECT NAME

  Abbreviation of "Field or prospect name"

- YEARLY TOTAL

  Total of pertinent data by years

- GRAND TOTAL

  Grand total of "YEARLY TOTAL"

(7) EPB51205

Output Reporting Method

- B2 Geophysical survey list by area

Assignment Parameter

- Header card of "Miscellaneous"
- Independent assignment card
  - "Company Card"

Segment Name

(PBAGPSVY, "Geophysical Survey")
- PBA01SVY, "Geophysical Survey"
- PBA02PLD, "Field Operation"
- PBA15PLD, "Field or Prospect Reference"

Master File Name

- Field master

Output Sequence

- Main area code
- Survey code

Condition of Changing Page

- Main area code

Supplementary Explanation for Output Item

- PERIOD FOR FIELD OPERATION OR SURVEY

  Refer to "Survey code" in "PBA01SVY",

  (In case of "Seismic", "Magnetic" or "Gravity survey")
  "Period for field operation" in "PBA02PLD"

  (In case of "Well velocity survey" or "Special study")
  "Period for survey" in "PBA01SVY"

- FIELD OR PROSPECT NAME

  Abbreviation of "Field or prospect name"

- AREA TOTAL

  Total of pertinent data by areas

- GRAND TOTAL

  Grand total of "AREA TOTAL"

(8) EPB51210

Output Reporting Method

- B3 Summary of geophysical data processing

Assignment Parameter

- Header card of "Miscellaneous"

Segment Name

(PBAGPSVY, "Geophysical Survey")
- PBA01SVY, "Geophysical Survey"
- PBA05DPR, "Data Processing"
- PBA08COS, "Data Processing Cost"
- PBA15PLD, "Field or Prospect Reference"

Master File Name

- Field master
- Company master

Output Sequence

- Main area code
- Survey code
- Number of times

Condition of Changing Page

- Main area code

Supplementary Explanation for Output Item

- PROCESSED BY

  Refer to "Company master" through "Company code" in "PBA05DPR", and output the date of "Company name".

- FIELD OR PROSPECT NAME

  Abbreviation of "Field or prospect name"

- AREA TOTAL

  Total of pertinent data by areas

- GRAND TOTAL

  Grand total of "AREA TOTAL"

(9) EPB51215

Output Reporting Method

- B4 Summary of geophysical interpretation and special study

Assignment Parameter

- Header card of "Miscellaneous"

Segment Name

(PBAGPSVY, "Geophysical Survey")

- PBA01SVY, "Geophysical Survey"
- PBA09INT, "Interpretation"
- PBA15PLD, "Field or Prospect Reference"

Master File Name

- Field master
- Company master

Output Sequence

- Main area code
- Survey code
- Number of times

Condition of Changing Page

- Main area code

Supplementary Explanation for Output Item

- PERIOD FOR INTERPRETATION OR SURVEY

  Refer to "Survey code" in "PBA01SVY",

  (In case of "Seismic", "Magnetic" or "Gravity survey'
  "Period" of "PBA09INT"

  (In case of "Special study")
  "Period for survey" in "PBA01SVY"

- INTERPRETED BY

  Refer to "Company master" through "Company code" of "PBA09INT", and output data of "Company name".

- FIELD OR PROSPECT NAME

  Abbreviation of "Field or prospect name"

- AREA TOTAL

  Total of pertinent data by areas

- GRAND TOTAL

  Grand total of "AREA TOTAL"

(10) EPB51220

Output Reporting Method

- B5 List of geophysical report by field or prospect name

Assignment Parameter

- Header card of "Map and Report"
- Independent assignment card
  - "Field Card"

Segment Name

(PBAGPSVY, "Geophysical Survey")

- PBA01SVY, "Geophysical Survey"
- PBA03LOC, "Location Map and Report Reference"
- PBA07REP, "Section and Report Reference"
- PBA11IMR, "Map and Report Reference"
- PBA14REP, "Well Velocity Survey Report Reference"

Master File Name

- Field master
- Company master

Output Sequence

- Main area code or area code
- Field or prospect code
- Survey code
- Report code

Condition of Changing Page

- Main area code or area code

Supplementary Explanation for Output Item

- FIELD OR PROSPECT NAME

  Full name of "Field or prospect name"

- Refer to "PBC01REP" through "Map and report code" in "PBA03LOC", "PBA07REP", "PBA11IMR" and "PBA14REP", and output the data related to the following headwords.

  - REPORT CODE
  - IDENT. NUMBER
  - STORAGE NUMBER
  - DATE
  - TITLE OF REPORT
  - AUTHOR
  - COMPANY NAME

(11) EPB51225

Output Reporting Method

- B6 List of geophysical map by field or prospect name

Assignment Parameter

- Header card of "Map and Report"
- Independent assignment card
  - "Field Card"

Segment Name

(PBAGPSVY, "Geophysical Survey")

- PBA01SVY, "Geophysical Survey"
- PBA03LOC, "Location Map and Report Reference"
- PBA05DPR, "Data Processing"
- PBA07REP, "Section and Report Reference"
- PBA09INT, "Interpretation"
- PBA11IMR, "Map and Report Reference"
- PBA14REP, "Well Velocity Survey Report Reference"
- PBA15FLD, "Field or Prospect Reference"

(PBBGPMAP, "Geophysical Map")

- PBB01MAP, "Geophysical Map"

Master File Name

- Field master
- Company master

Output Sequence

- Main area code or area code
- Field or prospect code
- Survey code
- No. of times
- Map code

Condition of Changing Page

- Main area code or area code

Supplementary Explanation for Output Item

- FIELD OR PROSPECT NAME

  Full name of "Field or prospect name"

- Refer to "PBB01MAP" through "Map and report code" in "PBA03LOC", "PBA07REP", "PBA11IMR" and "PBA14REP", and output the data related to the following headwords.

  - MAP CODE
  - IDENT.
  - DRAWING NO.
  - DATE
  - SCALE
  - HORIZON NAME
  - TITLE OF MAP
  - AUTHOR
  - COMPANY NAME

(12) EPB51230

Output Reporting Method

- B7 List of magnetic tape for geophysical survey

Assignment Parameter

- Header card of "Miscellaneous"
- Independent assignment card
  - "Geophysical Survey Card"

Segment Name

(PBAGPSVY, "Geophysical Survey")
- PBA01SVY, "Geophysical Survey"
- PBA02FLD, "Field Operation"
- PBA05DPR, "Data Processing"
- PBA15FLD, "Field or Prospect Reference"

Master File Name

- Field master
- Company master

Output Sequence

- Main area code or area code
- Survey code
- No. of times

Condition of Changing Page

- Main area code or area code

Supplementary Explanation for Output Item

- SURVEY CODE

  Survey code is asterisked in case of having over two "Area code" in "PBA01SVY" as the data of survey area.

- PERIOD FOR FIELD OPERATION OR PROCESSING

  Output "Period for field operation" in "PBA02PLD" or "Period" in "PBA05DPR"

- FIELD OR PROSPECT NAME

  Abbreviation of "Field or prospect name"

(13) EPB51235

Output Reporting Method

- B8 Summary of geophysical survey unit cost

Assignment Parameter

- Header card of "Miscellaneous"
- Independent assignment card
  - "Company Card"

Segment Name

(PBAGPSVY, "Geophysical Survey")

- PBA01SVY, "Geophysical Survey"
- PBA04COS, "Field Operation Cost"
- PBA08COS, "Data Processing Cost"
- PBA09INT, "Interpretation"
- PBA15FLD, "Field or Prospect Reference"

Master File Name

- Field master

Output Sequence

- Main area code
- Survey code

Condition of Changing Page

- Main area code

Supplementary Explanation for Output Item

- OPERATION COST PER KM

$$\text{OPERATION COST PER KM} = \frac{\text{Total for operation cost per year (PBA04COS)}}{\text{Total for survey length per year (PBA04COS)}}$$

- OPERATION COST PER SP OR STATION

$$\text{OPERATION COST PER SP OR STATION} = \frac{\text{Total for operation cost per year (PBA04COS)}}{\text{Total for No. of stations per year (PBA04COS)}}$$

- PROCESSING COST PER KM

$$\text{PROCESSING COST PER KM} = \frac{\text{Total for processing cost per year (PBA08COS)}}{\text{Total for processed length per year (PBA08COS)}}$$

- PROCESSING COST PER SP OR STATION

$$\text{PROCESSING COST PER SP OR STATION} = \frac{\text{Total for processing cost per year (PBA08COS)}}{\text{Total for No. of stations per year (PBA08COS)}}$$

- INTERPRETATION COST PER KM

$$\text{INTERPRETATION COST PER KM} = \frac{\text{Total interpretation cost (PBA09INT)}}{\text{Total length interpreted (PBA09INT)}}$$

- INTERPRETATION COST PER SP OR STATION

$$\text{INTERPRETATION COST PER SP OR STATION} = \frac{\text{Total interpretation cost (PBA09INT)}}{\text{Total stations interpreted (PBA09INT)}}$$

- FIELD OR PROSPECT NAME

Abbreviation of "Field or prospect name"

(14) BPB51240

Output Reporting Method

- B9 Survey method for seismic survey

Assignment Parameter

- Header card of "Miscellaneous"

Segment Name

(PBAGPSVY, "Geophysical Survey"
- PBA01SVY, "Geophysical Survey"
- PBA02FLD, "Field Operation"
- PBA15FLD, "Field or Prospect Reference"

Master File Name

- Field master

Output Sequence

- Main area code or area code
- Survey code

Condition of Changing Page

- Main area code or area code

Supplementary Explanation for Output Item

- SURVEY CODE

  Survey code is asterisked in case of having over two "Area code" in "PBA01SVY" as the data of survey area.

- CDP [%]

  "No. of fold for recording" in "PBA02FLD"

- SP'S INT. [M]

  "Distance between stations" in "PBA02FLD"

- FIELD OR PROSPECT NAME

  Abbreviation of "Field or prospect name"

(15) EPB51245

Output Reporting Method

- B10 Total length for geophysical field operation

Assignment Parameter

- Header card of "Miscellaneous"
- Independent assignment card
  - "Company Card"

Segment Name

(PBAGPSVY, "Geophysical Survey")

- PBA01SVY, "Geophysical Survey"
- PBA02FLD, "Field Operation"
- PBA15FLD, "Field or Prospect Reference"

Master File Name

- Field master

Output Sequence

- Main area code
- Survey code

Condition of Changing Page

- Main area code

Supplementary Explanation for Output Item

- FIELD OR PROSPECT NAME

  Abbreviation of "Field or prospect name"

- AREA TOTAL

  Tobal of pertinent data by areas

- GRAND TOTAL

  Total of "AREA TOTAL"

(16) EPB51250

Output Reporting Method

- B11 Total fuel for geophysical survey

Assignment Parameter

- Header card of "Miscellaneous"

Segment Name

(PBAGPSVY, "Geophysical Survey")
- PBA01SVY, "Geopysical Survey"
- PBA02FLD, "Field Operation"
- PBA15FLD, "Field or Prospect Reference"

Master File Name

- Field master

Output Sequence

- Main area code
- Survey code

Condition of Changing Page

- Main area code

Supplementary Explanation for Output Item

- FIELD OR PROSPECT NAME

  Abbreviation of "Field or prospect name"

- AREA TOTAL

  Total of pertinent data by areas

- GRAND TOTAL

  Grand total of "AREA TOTAL"

(17) EPB51255

Output Reporting Method

- B12 Total explosive for seismic survey

Assignment Parameter

- Header card of "Miscellaneous"

Segment Name

(PBAGPSVY, "Geophysical Survey")
- PBA01SVY, "Geophysical Survey"
- PBA02FLD, "Field Operation"
- PBA15FLD, "Field or Prospect Reference"

Master File Name

- Field master

Output Sequence

- Main area code
- Survey code

Condition of Changing Page

- Main area code

Supplementary Explanation for Output Item

- FIELD OR PROSPECT NAME

  Abbreviation of "Field or prospect name"

- AREA TOTAL

  Total of pertinent data by areas

- GRAND TOTAL

  Grand total of "AREA TOTAL"

(18) EPB51260

Output Reporting Method

- B13 Total geophysical survey cost by area

Assignment Parameter

- Header card of "Miscellaneous"
- Independent assignment card
  - "Geophysical Survey Card"

Segment Name

(PBAGPSVY, "Geophysical Survey")

- PBA01SVY, "Geophysical Survey"
- PBA02PLD, "Field Operation"
- PBA04COS, "Field Operation Cost"
- PBA08COS, "Data Processing Cost"
- PBA09INT, "Interpretation"
- PBA15PLD, "Field or Prospect Reference"

Master File Name

- Field master

Output Sequence

- Main area code
- Survey code

Condition of Changing Page

- Main area code

Supplementary Explanation for Output Item

- TOTAL SURVEY COST

  Grand total of "TOTAL OPERATION COST", "TOTAL PROCESSING COST" and "TOTAL INTERPRETATION COST"

- FIELD OR PROSPECT NAME

  Abbreviation of "Field or prospect name"

- AREA TOTAL

  Total of pertinent data by areas

- GRAND TOTAL

  Grand total of "AREA TOTAL"

(19) EPB51265

Output Reporting Method

- B14 Total geophysical survey cost by year

Assignment Parameter

- Header card of "Miscellaneous"
- Independent assignment card
  - "Geophysical Survey Card"

Segment Name

(PBAGPSVY, "Geophysical Survey")

- PBA01SVY, "Geophysical Survey"
- PBA02FLD, "Field Operation"
- PBA04COS, "Field Operation Cost"
- PBA08COS, "Data Processing Cost"
- PBA09INT, "Interpretation"
- PBA15FLD, "Field or Prospect Reference"

Master File Name

- Field master

Output Sequence

- Year
- Main area code
- Survey code

Supplementary Explanation for Output Item

- SURVEY CODE

  Survey code is asterisked in case that the corresponding survey period extends over two years.

- TOTAL INTERPRETATION COST

  Total interpretation cost for survey is output only in the column corresponding to the last year in case that the survey period extends over two years.

- TOTAL SURVEY COST DURING YEAR

  Total for "TOTAL OPERATION COST DURING YEAR", "TOTAL PROCESSING COST DURING YEAR" and "TOTAL INTERPRETATION COST"

- FIELD OR PROSPECT NAME

  Abbreviation of "Field or prospect name"

- YEARLY TOTAL

  Total of pertinent data by years

- GRAND TOTAL

  Grand total of "YEARLY TOTAL"

(20) EPB51270

Output Reporting Method

- B15 List of geophysical report by survey

Assignment Parameter

- Header card of "Map and Report"
- Independent assignment card
  - "Geophysical Survey Card"

Segment Name

(PBAGPSVY, "Geophysical Survey")
- PBA01SVY, "Geophysical Survey"
- PBA03LOC, "Location Map and Report Reference"
- PBA07REP, "Section and Report"
- PBA11IMR, "Map and Report Reference"
- PBA14REP, "Well Velocity Survey Report Reference"

(PBAGPREP, "Geophysical Report")
- PBD01REP, "Geophysical Report"

Master File Name

- Company master

Output Sequence

- Survey code
- Report code

Supplementary Explanation for Output Item

- Refer to "PBD01REP" through "Map and report code" in "PBA03LOC", "PBA07REP", "PBA11IMR" and "PBA14REP", and output the data related to the following headwords.
  - REPORT CODE
  - IDENT. NUMBER
  - DATE
  - STORAGE NO.
  - TITLE OF REPORT
  - AUTHOR
  - COMPANY NAME

(21) EPB51275

Output Reporting Method

- B16 List of geophysical mpa by survey

Assignment Parameter

- Header card of "Map and Report"
- Independent assignment card
  - "Geophysical Survey Card"

Segment Name

(PBAGPSVY, "Geophysical Survey")
- PBA01SVY, "Geophysical Survey"
- PBA03LOC, "Location Map and Report Reference"
- PBA07REP, "Section and Report"
- PBA11IMR, "Map and Report Reference"
- PBA14REP, "Well Velocity Survey Report Reference"

(PBBGPMAP, "Geophysical Map")
- PBB01MAP, "Geophysical Map"

(PBCGPSEC, "Geophysical Seismic Section")
- PBC01SEC, "Geophysical Seismic Section"

Master File Name

- Company master

Output Sequence

- Survey code
- Map code

Supplementary Explanation for Output Item

- Refer to "PBB01MAP" through "Map and report code" in "PBA03LOC", "PBA07REP", "PBA11IMR" and "PBA14REP", and output the data related to the following headwords.
  - MAP CODE
  - IDENT.
  - HORIZON

- DRAWING
- DATE
- SCALE
- TITLE OF MAP
- AUTHOR
- COMPANY NAME

(22) EPB51280

Output Reporting Method

- B17 List of seismic section by field or prospect

Assignment Parameter

- Header card of "Map and Report"
- Independent assignment card
  - "Field Card"

Segment Name

(PBAGPSVY, "Geophysical Survey")

- PBA01SVY, "Geophysical Survey"
- PBA05DPR, "Data Processing"

(PBBGPSEC, "Geophysical Seismic Section")

- PBC01SEC, "Geophysical Seismic Section"

Master File Name

- Company master

Output Sequence

- Field code
- Survey code

Supplementary Explanation for Output Item

- Refer to "PBA05DPR" through "Survey code" and "No. of times" in "PBC01SEC" and output the data related to the following headword.
  - PERIOD FOR PROCESSING
  - PROCESSED BY

3 C-Well Data Information

(1) EPB52100

Output Reporting Method

- C0-1 Well data information
- C0-11 Basic well data
- C0-12 Well completion
- C0-13 Drilling and workover operation
- C0-14 Geological data
- C0-15 Testing data
- C0-16 Well cost

Assignment Parameter

- Header card of "Basic Output"
- Independent assignment card
  - "Field Card"
  - "Well Card"

Segment Name

(PCAWELL, "Well Data")

- PCA01WEL, "Well"
- PCA02WEH, "Workover History"
- PCA03STR, "Stratigraphy"
- PCA04HOC, "Hole and Casing"
- PCA05CST, "Completion String"
- PCA06ROD, "Rod Pump"
- PCA07SUB, "Submergible Pump"
- PCA08GAS, "Gas Lift"
- PCA09PFR, "Perforation"
- PCA10PLG, "Plug Back"
- PCA11ABD, "Abandonment Record"
- PCA12BIT, "Bit Record"
- PCA13MUD, "Mud Record"
- PCA14MOT, "Mud Off Test"
- PCA15MCK, "Mud Completion in Kg"
- PCA16MCL, "Mud Completion in Litter"
- PCA17PCM, "Primary Cementing"
- PCA18SCM, "Squeeze Cementing"

- PCA19CCK, "Cement and Additive Consumption in Kg"
- PCA20CCL, "Cement and Additive Consumption in Litter"
- PCA21DHT, "Downhole Troubles"
- PCA22MCT, "Miscellaneous Trouble"
- PCA23WEL, "Well Log"
- PCA24COR, "Coring"
- PCA25LIT, "Core Lithology"
- PCA26WAL, "Side Wall Sample"
- PCA27CUT, "Cutting Sample"
- PCA28HYD, "Hydrocarbon Indication"
- PCA29DRL, "Drill Stem Test"
- PCA30WIR, "Wireline Formation Test"
- PCA31REP, "Well Log Interpretation Report"
- PCA32COS, "Well Cost"

Master File Name

- Field master
- Zone master
- Company master

Output Sequence

- Well code
- Workover number

Condition of Charging Page

- Well code
- Workover number

Supplementary Explanation for Output Item

- COMPLETED FORMATION NAME, COMPLETED LAYER NAME

  Refer to "Formation code" and "Layer code" in "PCA03STR" through "Interval" in "PCA05CST", and output the data of "Formation name" and "Layer name".

- DRILLING AND WORKOVER OPERATION DATA

  - BIT RECORD

    - METER DRILLED

$$\text{METER DRILLED} = \underset{\text{(PCA12BIT)}}{\text{Interval (2)}} - \underset{\text{(PCA12BIT)}}{\text{Interval (1)}}$$

- ROP [M/H]

$$ROP = \frac{METER\ DRILLED}{hours}$$

(PCA12BIT)

- DOWNHOLE TROUBLES

  - FORMATION NAME

    Refer to "Formation code" in "PCA03STR" through "Depth" in "PCA21DHT", and output the date of "Formation name".

- STRATIGRAPHY

  - FORMATION & LAYER TOP DEPTH

    - [M BDF]

      "Interval of formation or layer (1)" in "PCA03STR"

    - [M SS]

      [M SS] = Interval of formation or layer (1) (PCA03STR) - Original derrich floor elevation (PCA01WEL)

- CORING OPERATION INFORMATION

  - CUT [M]

    CUT = Interval (2) (PCA24COR) - Interval (1) (PCA24COR)

  - REC. [%]

$$REC. = \frac{Recovery\ (PCA24COR)}{CUT} \times 100$$

- CORE LITHOLOGY INFORMATION

  - FORMATION & LAYER NAME

    Refer to "Formation code" and "Layer code" in "PCA03STR" through "Interval selected" in "PCA25LIT", and output the data of "Formation name" and "Layer name".

- SIDE WALL SAMPLE

    - FORMATION NAME, LAYER NAME

      Refer to "Formation code" and "Layer code" in "PCA03STR" through "Sample depth" in "PCA26WAL", and output the data of "Formation name" and "Layer name".

- HYDROCARBON INDICATION

    - FORMATION NAME, LAYER NAME

      Refer to "Formation code" and "Layer code" in "PCA03STR" through "Interval" in "PCA28HYD", and output the data of "Formation name" and "Layer name".

    - SOLVENT

      Refer to "Fluorescence show" through "Solvent" in "PCA28HYD", and output the data of "Fluorecence show name".

- DRILL STEM TEST

    - TESTED FORMATION, TESTED LAYER

      Refer to "Formation code" and "Layer code" in "PCA03STR" through "Test interval" in "PCA29DRL", and output the data of "Formation name" and "Layer name".

- WIRELINE FORMATION TEST

    - TESTED FORMATION, TESTED LAYER

      Refer to "Formation code" and "Layer code" in "PCA03STR" through "Tested depth" in "PCA30WIR", and output the data of "Formation name" and "Layer name".

(2) EPB52200

Output Reporting Method

- C1 Well summary

Assignment Parameter

- Header card of "Miscellaneous"
- Independent assignment card
  - "Field Card"
  - "Well Card"

Segment Name

(PCAWELL, "Well Data")

- PCA01WEL, "Well"
- PCA03STR, "Stratigraphy"
- PCA04HOC, "Hole and Casing"
- PCA05CST, "Completion String"
- PCA11ABD, "Abandonment Record"
- PCA21DHT, "Downhole Trouble"
- PCA22MCT, "Miscellaneous Trouble"
- PCA23WEL, "Well Log"
- PCA24COR, "Coring"
- PCA26WAL, "Side Wall Sample"
- PCA27CUT, "Cutting Sample"
- PCA29DRL, "Drill Stem Test"
- PCA30WIR, "Wireline Formation Test"
- PCA31REP, "Well Log Interpretation Report"
- PCA32COS, "Well Cost"

Master File Name

- Field master
- Zone master
- Company master

Output Sequence

- Well code

Condition of Changing Page

- Well code

Supplementary Explanation for Output Item

- WELL HISTORY

  - STRING NAME

    First digit of "String name".

  - COMPLETED

    - FORM., LAYER NAME

      Refer to "Formation code" and "Layer code" in "PCA03STR" through "Completed interval" in "PCA05CST", and output the data of "Formation name" and "Layer name".

  - OPERATOR

    Refer to "Company master" through "Operator code" in "PCA01WEL", and output the data of "Operator name".

- CORING

  - FORMATION NAME, LAYER NAME

    Refer to "Formation code" and "Layer code" in "PCA03STR" through "Interval" in "PCA24COR", and output the data of "Formation name" and "Layer name".

  - RECOVERY [%]

$$\text{RECOVERY} = \frac{\text{Recovery (PCA24COR)}}{\text{Interval (2) (PCA24COR)} - \text{Interval (1) (PCA24COR)}} \times 100$$

- SIDE WALL SAMPLE

  - FORMATION NAME, LAYER NAME

    Refer to "Formation code" and "Layer code" in "PCA03STR" through "Sample depth" in "PCA26WAL", and output the data of "Formation name" and "Layer name".

- DRILL STEM TEST

  - FORMATION NAME, LAYER NAME

    Refer to "Formation code" and "Layer code" in "PCA03STR" through "Tested interval" in "PCA29DRL", and output the data of "Formation name" and "Layer name".

- WIRELINE FORMATION TEST

  - FORMATION NAME, LAYER NAME

    Refer to "Formation code" and "Layer code" in PCA03STR" through "Tested depth" in "PCA30WIR", and output the data of "Formation name" and "Layer name".

(3) EPB52205

Output Reporting Method

- C2 Well list

Assignment Parameter

- Header card of "Miscellaneous"
- Independent assignment card
  - "Field Card"
  - "Well Card"

Segment Name

(PCAWELL, "Well Data")

- PCA01WEL, "Well"
- PCA05CST, "Completion String"
- PCA32COS, "Well Cost"

Master File Name

- Field master
- Company master

Output Sequence

- Well code
- Workover number

Condition of Changing Page

- Field code

Supplementary Explanation for Output Item

- FIELD OR PROSPECT NAME

  Full name of "Field or prospect name"

- WELL HISTORY
  - OPERATOR

    Refer to "Company master" through "Operator code" in "PCA01WEL", and output the data of "Operator name".

- OBJECTIVE OF WELL OR WORKOVER

  Refer to "Workover number" in "PCA01WEL",

  (In case of "Original well")
  "Objective of well" in "PCA01WEL"

  (In case of "Workover well")
  "Objective of workover" in "PCA01WEL"

- DRLG. CONTR

  "Drilling contractor" in "PCA01WEL"

- DEPTH [M]

  - TD

    "Total depth" in "PCA01WEL"

  - PB

    "Plug back depth" in "PCA01WEL"

  - ORGL. [M]

    - DF ELEV.

      "Original derrick floor elevation" in "PCA01WEL"

    - DF HIGH.

      "Original derrick floor height from bottom flange" in "PCA01WEL"

(4) EPB52210

Output Reporting Method

- C3 Well completion summary

Assignment Parameter

- Header card of "Miscellaneous"
- Independent assignment card
  - "Field Card"
  - "Well Card"

Segment Name

(PCAWELL, "Well Data")

- PCA01WEL, "Well"
- PCA04HOC, "Hole and Casing"
- PCA05CST, "Completion String"

Master File Name

- Field master

Output Sequence

- Area code
- Well code
- Workover number

Condition of Changing Page

- Area code
- Field code

Supplementary Explanation for Output Item

- FIELD OR PROSPECT NAME

  Full name of "Field or prospect name"

- OBJECTIVE OF WELL OR WO

  Refer to "Workover number" in "PCA01WEL",

  (In case of "Original well")
  "Objective of well" in "PCA01WEL"

  (In case of "Workover well")
  "Objective of workover" in "PCA01WEL"

- CASING

  - SIZE, SET DEPTH

    In case of same "Casing size" in "PCA04HOC" are repeated in one workover number,

    output the "Casing size" and the deepest "Set depth/interval".

    In case of same "Casing size" in "PCA04HOC" are repeated by workover number,

    output the "Casing" only for minor workover number.

- COMP. STRING

  - NAME

    First digit of "String name"

- COMPLETED INTERVAL (M), COMPLETED FORM. LAYER

  Refer to "Formation code" and "Layer code" in "PCA03STR" through "Completed interval" in "PCA05CST", and output the data of "Formation name" and "Layer name" at the line corresponded to "Completed interval".

(5) EPB52215

Output Reporting Method

- C4 Completion record diagram

Assignment Parameter

- Header card of "Miscellaneous"
- Independent assignment card
  - "Layer Card"

Segment Name

(PCAWELL, "Well Data")

- PCA01WEL, "Well"
- PCA05CST, "Completion String"

Master File Name

- Field master
- Zone master

Output Sequence

- Area code
- Well code
- Workover number

Condition of Changing Page

- Area code
- Field code

Supplementary Explanation for Output Item

- FIELD OR PROSPECT NAME

  Full name of "Field or prospect name"

- LAYER XXXXX

  Output "Layer name" in order of "Layer code" of assignment parameter.

- DD.MM.YY

  Refer to "Interval of formation or layer" in "PCA03STR" through "Layer code" of "Assignment parameter", and refer to "Completed interval" in "PCA05CST" through "Interval of formation of layer" in "PCA03STR", and output the data of "Rig release date" in "PCA01WEL".

(6) EPB52220

Output Reporting Method

- C5 Drilling activity summary

Assignment Parameter

- Header card of "Miscellaneous"

Segment Name

(PCAWELL, "Well Data")
- PCA01WEL, "Well"
- PCA05CST, "Completion String"
- PCA32COS, "Well Cost"

Output Sequence

- Area code
- Objective of well
- Well code

Condition of Changing Page

- Area code

Supplementary Explanation for Output Item

- LOCAT. NAME

  "Well location name" in "PCA01WEL"

- TOTAL DAYS TO

  - TD

    "Total days to TD" in "PCA01WEL"

  - RIG REL

    "Total days" in "PCA01WEL"

  - COMPLETED FORM. LAYER

    Refer to "Formation code" and "Layer code" in "PCA03STR" through "Completed interval" in "PCA05CST", and output the data of "Formation name" and "Layer name".

(7) EPB52225

Output Reporting Method

- C6 Workover activity summary

Assignment Parameter

- Header card of "Miscellaneous"

Segment Name

(PCAWELL, "Well Data")

- PCA01WEL, "Well"
- PCA05CST, "Completion String"
- PCA32COS, "Well Cost"

Output Sequence

- Area code
- Objective of workover
- Well code
- Workover number

Condition of Changing Page

- Area code

Supplementary Explanation for Output Item

- COMPLETION DATA
  - NAME

    First one digit of "String name"

  - COMPLETED FORMATION, COMPLETED LAYER

    Refer to "Formation code" and "Layer code" in "PCA03STR" through "Completed interval" in "PCA05CST", and output the data of "Formation name" and "Layer name".

(8) EPB52230

Output Reporting Method

- C7 Contractor

Assignment Parameter

- Header card of "Miscellaneous"
- Independent assignment card
  - "Field Card"
  - "Well Card"

Segment Name

(PCAWELL, "Well Data")

- PCA01WEL, "Well"
- PCA29DRL, "Drill Stem Test"
- PCA30WIR, "Wireline Formation Test"

Output Sequence

- Area code
- Well code
- Workover number

Condition of Changing Page

- Area code

Supplementary Explanation for Output Item

- OBJECTIVE OF WELL OR WORKOVER

  Refer to "Workover numer" in "PCA01WEL",

  (In case of "Original well")
  "Objective of well" in "PCA01WEL"

  (In case of "Workover well")
  "Objective of workover" in "PCA01WEL"

- NAME OF CONTRACTOR

  Output only 6 digits from the first of "Contractor name"

- DRILG OR WO

  "Drilling contractor" in "PCA01WEL"

- CEMENT JOB

  "Cement job" in "PCA01WEL"

- DIRECT SURVEY

  "Directional drilling" in "PCA01WEL"

- MUD ENGRY

  "Mud engineering" in "PCA01WEL"

- WELL LOG

  "Well log" in "PCA31REP"

- VEL. SURVEY

  "Well verocity" in "PCA01WEL"

- DST

  "Service contractor" in "PCA29DRL"

- W.F.T

  "Service contractor" in "PCA30WIR"

- PROD. TEST

  "Production test" in "PCA01WEL"

- STIM.

  "Stimulation test" in "PCA01WEL"

(9) EPB52235

Output Reporting Method

- C8 Hole and casing

Assignment Parameter

- Header card of "Completion"
- Independent assignment card
  - "Field Card"
  - "Well Card"

Segment Name

(PCAWELL, "Well Data")

- PCA01WEL, "Well"
- PCA04HOC, "Hole and Casing"

Master File Name

- Field master

Output Sequence

- Well code

Condition of Changing Page

- Field code

Supplementary Explanation for Output Item

- FIELD OR PROSPECT NAME

  Full name of "Field or prospect name"

- LAST WO NO.

  "Current workover No." in "PCA01WEL"

- CASING AND LINER
  - FORMATION AT SHOE

    Refer to "Formation code" in "PCA03STR" through "Hole depth" in "PCA04HOC", and output the data of "Formation name".

(10) EPB52240

Output Reporting Method

- C9 Completion string specification

Assignment Parameter

- Header card of "Completion"
- Independent assignment card
  - "Field Card"
  - "Well Card"
  - "Formation Card"
  - "Layer Card"

Segment Name

(PCAWELL, "Well Data")

- PCA01WEL, "Well"
- PCA05CST, "Completion String"

Master File Name

- Field master

Output Sequence

- Well code

Condition of Changing Page

- Field code

Supplementary Explanation for Output Item

- FIELD OR PROSPECT NAME

  Full name of "Field or prospect name"

- LAST WO NO.

  "Current workover No." in "PCA01WEL"

- STRING

    - NAME

      First one digit of "String name"

- COMPLETED FORM., COMPLETED LAYER

  Refer to "Formation code" and "Layer code" in "PCA03STR" through "Completed interval" in "PCA05CST", and output the data of "Formation name" and "Layer name".

(11) EPB52245

Output Reporting Method

- C10 Rod pump summary

Assignment Parameter

- Header card of "Completion"
- Independent assignment card
  - "Field Card"
  - "Well Card"

Segment Name

(PCAWELL, "Well Data")

- PCA01WEL, "Well"
- PCA05CST, "Completion String"
- PCA06ROD, "Rod pump"

Master File Name

- Field master

Output Sequence

- Area code
- Well code

Condition of Charging Page

- Area code
- Field code

Supplementary Explanation for Output Item

- FIELD OR PROSPECT NAME

  Full name of "Field or prospect name"

- LAST WO NO.

  "Current workover No." in "PCA01WEL"

- COMPLETED

    - FORM., LAYER

      Refer to "Formation code" and "Layer code" in "PCA03STR" through "Completed interval" in "PCA05CST", and out the data of "Formation name" and "Layer name".

- S.S PUMP

  "Type of subsurface pump" in "PCA06ROD"

- PUMP UNIT

  "Type of surface pump" in "PCA06ROD"

- PRIME MOVER

  "Type of prime mover" in "PCA06ROD"

(12) EPB52250

Output Reporting Method

- C11 Submargible pump summary

Assignment Parameter

- Header card of "Completion"
- Independent assignment card
  - "Field Card"
  - "Well Card"

Segment Name

(PCAWELL "Well Data")

- PCA01WEL, "Well"
- PCA05CST, "Completion String"
- PCA07SUB, "Submergible Pump"

Master File Name

- Field master

Output Sequence

- Area code
- Well code

Condition of Changing Page

- Area code
- Field code

Supplementary Explanation for Output Item

- FIELD OR PROSPECT NAME

  Full name of "Field or prospect name"

- LAST WO NO.

  "Current workover No." in "PCA01WEL"

- COMPLETED

  - FORM. LAYER

    Refer to "Formation code" and "Layer code" in "PCA03STR" through "Completed interval" in "PCA05CST", and output the data of "Formation name" and "Layer name".

(13) EPB52255

Output Reporting Method

- C12 Gas lift summary

Assignment Parameter

- Header card of "Completion"
- Independent assignment card
  - "Field Card"
  - "Well Card"

Segment Name

(PCAWELL, "Well Data")

- PCA01WEL, "Well"
- PCA05CST, "Completion String"
- PCA08GAS, "Gas Lift"

Master File Name

- Field master

Output Sequence

- Area code
- Well code

Condition of Changing Page

- Area code
- Field code

Supplementary Explanation for Output Item

- FIELD OR PROSPECT NAME

  Full name of "Field or prospect name"

- LAST WO NO.

  "Current workover No." in "PCA01WEL"

- COMPLETED

  - FORM. LAYER

    Refer to "Formation code" and "Layer code" in "PCA03STR" through "Completed interval" in "PCA05CST", and output the data of "Formation name" and "Layer name".

(14) EPB52260

Output Reporting Method

- C13 Well head assembly summary

Assignment Parameter

- Header card of "Completion"
- Independent assignment card
  - "Field Card"
  - "Well Card"

Segment Name

(PCAWELL, "Well Data")

- PCA01WEL, "Well"
- PCA05CST, "Completion String"

Master File Name

- Field master

Output Sequence

- Area code
- Well code

Condition of Changing Page

- Area code
- Field code

Supplementary Explanation for Output Item

- FIELD OR PROSPECT NAME

  Full name of "Field or prospect name"

- LAST WO NO.

  "Current workover No." in "PCA01WEL"

(15) EPB52265

Output Reporting Method

- C14 Bit record summary

Assignment Parameter

- Header card of "Drilling"
- Independent assignment card
  - "Field Card"
  - "Well Card"

Segment Name

(PCAWELL, "Well Data")

- PCA01WEL, "Well"
- PCA12BIT, "Bit Record"

Master File Name

- Field master

Output Sequence

- Area code
- Well code
- Workover number

Condition of Changing Page

- Area code

Supplementary Explanation for Output Item

- FIELD NAME

  Abbreviation of "Field name"

- OBJECTIVE

  Refer to "Workover number" in "PCA01WEL",

  (In case of "Original well")
  "Objective of well" in "PCA01WEL"

(In case of "Workover well")

"Objective of workover" of "PCA01WEL"

- FORMATION DRILLED

Refer to "Formation code" in "PCA03STR" through "Interval" in "PCA12BIT", and output the data of "Formation name".

- METER DRILLED

$$\text{METER DRILLED} = \underset{\text{(PCA26BIT)}}{\text{Interval (2)}} - \underset{\text{(PCA26BIT)}}{\text{Interval (1)}}$$

- ROP [M/H]

$$\text{ROP} = \frac{\text{METER DRILLED}}{\underset{\text{(PCA26BIT)}}{\text{Hours}}}$$

(16) EPB52270

Output Reporting Method

- C15 Mud record summary

Assignment Parameter

- Header card of "Drilling"
- Independent assignment card
  - "Field Card"
  - "Well Card"

Segment Name

(PCAWELL "Well Data")

- PCA01Wel, "Well"
- PCA13MUD, "Mud Record"

Master File Name

- Field master

Output Sequence

- Area code
- Well code
- Workover number

Condition of Changing Page

- Area code

Supplementary Explanation for Output Item

- FIELD NAME

  Abbreviation of "Field name"

- OBJECTIVE OF WELL OR WO

  Refer to "Workover number" in "PCA01WEL",

  (In case of "Original well")
  "Objective of well" in "PCA01WEL"

(In case of "Workover well")
"Objective of workover" in "PCA01WEL"

- FORMATION NAME

Refer to "Formation code" in "PCA02STR" through "Interval" in "PCA13MUD", and output the data of "Formation name".

(17) EPB52275

Output Reporting Method

- C16 Primary cementing summary

Assignment Parameter

- Header card of "Drilling"
- Independent assignment card
  - "Field Card"
  - "Well Card"

Segment Name

(PCAWELL "Well Data")

- PCA01WEL, "Well"
- PCA17PCM, "Primary Cementing"

Master File Name

- Field master

Output Sequence

- Area code
- Well code
- Workover number

Condition of Changing Page

- Area code

Supplementary Explanation for Output Item

- FIELD NAME

  Abbreviation of "Field name"

- OBJECTIVE

  Refer to "Workover number" in "PCA01WEL",

  (In case of "Original well")
  "Objective well" in "PCA01WEL"

(In case of "Workover well")
"Objective of workover" in "PCA01WEL"

(18) EPB52280

Output Reporting Method

- C17 Mud off test record summary

Assignment Parameter

- Header card of "Drilling"
- Independent assignment card
  - "Field Card"
  - "Well Card"
  - "Formation Card"

Segment Name

(PCAWELL "Well Data")

- PCA01WEL, "Well"
- PCA14MOT, "Mud Off Test"

Master File Name

- Field master

Output Sequence

- Area code
- Well code
- Workover number

Condition of Changing Page

- Area code

Supplementary Explanation for Output Item

- FIELD NAME

  Abbreviation of "Field name"

- OBJECTIVE OF WELL OR WO

  Refer to "Workover number" in "PCA01WEL",

  (In case of "Original well")
  "Objective well" in "PCA01WEL"

(In case of "Workover well")

"Objective of workover" in "PCA01WEL"

- TESTED FORMATION

Refer to "Formation code" in "PCA03STR" through "Tested depth" in "PCA14MOT", and output the data of "Formation name".

(19) EPB52285

Output Reporting Method

- C18 Downhole trouble summary

Assignment Parameter

- Header card of "Drilling"
- Independent assignment card
  - "Field Card"
  - "Well Card"

Segment Name

(PCAWELL "Well Data")

- PCA01WEL, "Well"
- PCA21DHT, "Downhole Troubles"

Master File Name

- Field master

Output Sequence

- Area code
- Well code
- Workover number

Condition of Changing Page

- Area code

Supplementary Explanation for Output Item

- FIELD NAME

  Abbreviation of "Field name"

- FORMATION NAME

  Refer to "Formation code" in "PCA03STR" through "Depth" in "PCA21DHT", and output the data of "Formation name".

- OBJECTIVE OF WELL OR WO

  Refer to "Workover number" in "PCA01WEL",

  (In case of "Original well")
  "Objective of well" in "PCA01WEL"

  (In case of "Workover well")
  "Objective of workover" in "PCA01WEL"

(20) EPB52290

Output Reporting Method

- C19 Abandonment record summary

Assignment Parameter

- Header card of "Drilling"
- Independent assignment card
  - "Field Card"
  - "Well Card"

Segment Name

(PCAWELL "Well Data")

- PCA01WEL, "Well"
- PCA11ABD, "Abandonment Record"

Master File Name

- Field master

Output Sequence

- Area code
- Well code
- Workover number

Condition of Changing Page

- Area code

Supplementary Explanation for Output Item

- FIELD NAME

  Abbreviation of "Field name"

- ABANDONED DATE

  "Rig release date" in "PCA01WEL"

(21) EPB52295

Output Reporting Method

- C20 Correlation of layer tops

Assignment Parameter

- Header card of "Drilling"
- Independent assignment card
  - "Well Card"
  - "Layer Card"

Segment Name

(PCAWELL, "Well Data")

- PCA01WEL, "Well"
- PCA03STR, "Stratigraphy"

Master File Name

- Field master
- Zone master

Output Sequence

- Field code
- Well code or well code of assignment parameter

Condition of Changing Page

- Field code

Supplementary Explanation for Output Item

- FIELD OR PROSPECT NAME

  Full name of "Field or prospect name"

- FORMATION

  Refer to "Formation code" through "Layer code" in assignment parameter, and output the date of "Formation name".

- LAYER

  Output "Layer name" in order of "Layer code" in assignment parameter.

- ELEV. [M]

  "Original derrick floor elevation in "PCA01WEL"

- BDF [M]

  "Interval of formation or layer (1)" in "PCA03STR"

- S.S.

  S.S = BDF - ELEV.

(22) EPB52300

Output Reporting Method

- C21 Well log information summary

Assignment Parameter

- Header card of "Test"
- Independent assignment card
  - "Field Card"
  - "Well Cord"
  - "Formation Card"

Segment Name

(PCAWELL, "Well Data")

- PCA01WEL, "Well"
- PCA23WEL, "Well Log"

Master File Name

- Field master

Output Sequence

- Area code
- Well code
- Workover number

Condition of Changing Page

- Area code

Supplementary Explanation for Output Item

- FIELD NAME

  Abbreviation of "Field name"

- OBJECTIVE

  Refer to "Workover number" in "PCA01WEL",

  (In case of "Original well")

  "Objective of well" in "PCA01WEL"

  (In case of "Workover well")

  "Objective of workover" in "PCA01WEL"

- FORMATION NAME

  Refer to "Formation code" in "PCA03STR" through "Interval" in "PCA23WEL", and output the data of "Formation name".

(23) EPB52305

Output Reporting Method

- C22 Mud log information summary

Assignment Parameter

- Header card of "Test"
- Independent assignment card
  - "Field Card"
  - "Well Card"

Segment Name

(PCAWELL, "Well Data")

- PCA01WEL, "Well"

Master File Name

- Field master

Output Sequence

- Area code
- Well code
- Workover number

Condition of Changing Page

- Area code

Supplementary Explanation for Output Item

- FIELD NAME

  Abbreviation of "Field name"

- OBJECTIVE

  Refer to "Workover number" in "PCA01WELL",

  (In case of "Original well")

  "Objective of well" in "PCA01WEL"

  (In case of "Workover well")

  "Objective of workover" in "PCA01WEL"

(24) EPB52310

Output Reporting Method

- C23 Coring information summary

Assignment Parameter

- Header card of "Test"
- Independent assignment card
  - "Field Card"
  - "Well Card"
  - "Formation Card"
  - "Layer Card"

Segment Name

(PCAWELL, "Well Data")

- PCA01WEL, "Well"
- PCA24COR, "Coring"

Master File Name

- Field master

Output Sequence

- Area code
- Well code
- Workover number

Condition of Changing Page

- Area code

Supplementary Explanation for Output Item

- FIELD NAME

  Abbreviation of "Field name"

- OBJECTIVE

  Refer to "Workover number" in "PCA01WEL",

  (In case of "Original well")

  "Objective of well" in "PCA01WEL"

  (In case of "Workover well")

  "Objective of workover" in "PCA01WELL"

- FORMATION NAME, LAYER NAME

  Refer to "Formation code" and "Layer code" in "PCA03STR" through "Interval" in "PCA24COR", and output the data of "Formation name" and "Layer name".

- REC. [%]

$$REC = \frac{\text{Recovery (PCA24COR)}}{\text{Interval (2) (PCA24COR)} - \text{Interval (1) (PCA24COR)}} \times 100$$

(25) EPB52315

Output Reporting Method

- C24 Side wall sample information summary

Assignment Parameter

- Header card of "Test"
- Independent assignment card
  - "Field Card"
  - "Well Card"
  - "Formation Card"
  - "Layer Card"

Segment Name

(PCAWELL, "Well Data")

- PCA01WEL, "Well"
- PCA26WEL, "Side Wall Sample"

Master File Name

- Field master

Output Sequence

- Area code
- Well code
- Workover number

Condition of Changing Page

- Area code

Supplementary Explanation for Output Item

- FIELD NAME

  Abbreviation of "Field name"

- OBJECTIVE

  Refer to "Workover number" in "PCA01WEL",

  (In case of "Original well")

  "Objective of well" in "PCA01WEL"

  (In case of "Workover well")

  "Objective of workover" in "PCA01WEL"

- FORMATION NAME, LAYER NAME

  Refer to "Formation code" and "Layer code" in "PCA03STR" through "Sample depth" in "PCA26WAL", and output the data of "Formation name" and "Layer name".

(26) EPB52320

Output Reporting Method

- C25 Cutting sample information summary

Assignment Parameter

- Header card of "Test"
- Independent assignment card
  - "Field Card"
  - "Well Card"

Segment Name

(PCAWELL, "Well Data")

- PCA01WEL, "Well"
- PCA27CUT, "Cutting Sample"

Master File Name

- Field master

Output Sequence

- Area code
- Well code
- Workover number

Condition of Changing Page

- Area code

Supplementary Explanation for Output Item

- FIELD NAME

  Abbreviation of "Field name"

- OBJECTIVE

Refer to "Workover number" in "PCA01WELL",

(In case of "Original well")

"Objective of well" in "PCA01WEL"

(In case of "Workover well")

"Objective of workover" in "PCA01WEL"

(27) EPB52325

Output Reporting Method

- C26 Drill stem test information summary

Assignment Parameter

- Header card of "Test"
- Independent assignment card
  - "Field Card"
  - "Well Card"
  - "Formation Card"
  - "Layer Card"

Segment Name

(PCAWELL, "Well Data")

- PCA01WEL, "Well"
- PCA29DRL, "Drill Stem Test"

Master File Name

- Field master

Output Sequence

- Area code
- Well code
- Workover number

Condition of Changing Page

- Area code

Supplementary Explanation for Output Item

- OBJECTIVE

  Refer to "Workover number" in "PCA01WEL",

  (In case of "Original well")

  "Objective of well" in "PCA01WEL"

  (In case of "Workover well")

  "Objective of workover" in "PCA01WEL"

(28) EPB52330

Output Reporting Method

- C27 Wireline formation test information summary

Assignment Parameter

- Header card of "Test"
- Independent assignment card
  - "Field Card"
  - "Well Card"
  - "Layer Card"

Segment Name

(PCAWELL, "Well Data")

- PCA01WEL, "Well"
- PCA30WIR, "Wireline Formation Test"

Master File Name

- Field master

Output Sequence

- Area code
- Well code
- Workover number

Condition of Changing Page

- Area code

Supplementary Explanation for Output Item

- FIELD NAME
  Abbreviation of "Field name"

- OBJECTIVE

  Refer to "Workover number" in "PCA01WEL",

  (In case of "Original well")

  "Objective of well" in "PCA01WEL"

  (In case of "Workover well")

  "Objective of workover" in "PCA01WEL"

- FORMATION AND LAYER

  Refer to "Formation code" and "Layer code" in "PCA03STR" through "Tested depth" in "PCA30WIR", and output the data of "Formation name" and "Layer name".

- TEST RESULT

  "Succeed or not" in "PCA30WIR"

- REP. REPORT NUMBER

  "Reference No. of test report" in "PCA30WIR"

(29) EPB52335

Output Reporting Method

- C28 Yearly historical drilling statistics by field

Assignment Parameter

- Header card of "Miscellaneous"
- Independent assignment card
  - "Field Card"

Segment Name

(PCAWELL, "Well Data")

- PCA01WEL, "Well"
- PCA32COS, "Well Cost"

Master File Name

- Field master

Output Sequence

- Area code
- Field code
- Fiscal year

Condition of Changing Page

- Area code

Supplementary Explanation for Output Item

- FIELD NAME

  Abbreviation of "Field name"

- FISCAL YEAR

  "Year" of assignment parameter

- NO. OF WELLS DRILLED

  Total of "No. of original well" by fiscal years

- TOTAL METER DRILLED

  Total of "Total depth" in "PCA01WEL" by fiscal years

- AVERAGE WELL DEPTH (M)

$$\text{AVERAGE} = \frac{\text{TOTAL METER DRILLED}}{\text{NO. OF WELLS DRILLED}}$$

- TOTAL WELL COST

  Total of "Well cost" in "PCA32COS" by fiscal years

- AVERAGE WELL COST

$$\text{AVERAGE} = \frac{\text{TOTAL WELL COST}}{\text{NO. OF WELLS DRILLED}}$$

- WELL COST/METER

$$\text{WELL COST/METER} = \frac{\text{TOTAL WELL COST}}{\text{TOTAL METER DRILLED}}$$

- SUB TOTAL

  Total by pertinent data by fields

- TOTAL BY FISCAL YEAR

  Fiscal yearly total of pertinent data by areas

- TOTAL

  Grand total of pertinent data by areas

(30) EPB52340

Output Reporting Method

- C29 Yearly historycal drilled statistic by area

Assignment Parameter

- Header card of "Miscellaneous"

Segment Name

(PCAWELL, "Well Data")

- PCA01WEL, "Well"
- PCA32COS, "Well Cost"

Output Sequence

- Area code or Province code
- Fiscal year

Supplementary Explanation for Output Item

- FISCAL YEAR

  "Year" of assignment parameter

- NO. OF WELLS DRILLED

  Total of "No. of original well" by fiscal years

- TOTAL METER DRILLED

  Total of "Total depth" in "PCA01WEL" by fiscal years

- AVERAGE WELL DEPTH (M)

$$\text{AVERAGE} = \frac{\text{TOTAL METER DRILLED}}{\text{NO. OF WELLS DRILLED}}$$

- TOTAL WELL COST

  Total of "Well cost" in "PCA32COS" by fiscal years

- AVERAGE WELL COST

$$\text{AVERAGE} = \frac{\text{TOTAL WELL COST}}{\text{NO. OF WELLS DRILLED}}$$

- WELL COST/METER

$$\text{WELL COST/METER} = \frac{\text{TOTAL WELL COST}}{\text{TOTAL METER DRILLED}}$$

- SUB TOTAL

Total of pertinent data by areas or provincies

(31) EPB52345

Output Reporting Method

- C30 Well cost summary

Assignment Parameter

- Header card of "Miscellaneous"
- Independent assignment card
  - "Field Card"
  - "Well Card"

Segment Name

(PCAWELL, "Well Data")

- PCA01WEL, "Well"
- PCA04HOC, "Hole and Casing"
- PCA32COS, "Well Cost"

Master File Name

- Field master

Output Sequence

- Area code
- Well code
- Workover number

Condition of Changing Page

- Area code

Supplementary Explanation for Output Item

- FIELD NAME

  Abbreviation of "Field name"

- OBJECTIVE

  Refer to "Workover number" in "PCA01WEL",

(In case of "Original well")

"Objective of well" in "PCA01WEL"

(In case of "Workover well")

"Objective of workover" in "PCA01WEL"

- DAYS

  - TD

    "Total days to TD" in "PCA01WEL"

  - RIG REL.

    "Total days" in "PCA01WEL"

- CASING

  - SIZE [IN], DEPTH [M]

    In case of same "Casing size" in "PCA04HOC" are repeated in one workover number,

        output the "Casing size" and
        the deepest "Set depth/interval".

    In case of same "Casing size" in "PCA04HOC" are repeated by workover number,

        output the "Casing" only for minor workover number.

- WELL COST

  Total of "Well cost (1) ∿ (28)" in "PCA32COS"

- WELL EQUIP. COST

  Total of "Well cost (29) and (30)" in "PCA32COS"

- CAMP COST

  Total of "Well cost (31) and (32)" in "PCA32COS"

- DEPRECIATION OVERHEADS

  Total of "Well cost (33) ∿ (42)" in "PCA32COS"

- TOTAL COST

  Total of "Well cost (1) ∿ (42)" in "PCA32COS"

- SUB TOTAL

  Total of pertinent data by fields

- TOTAL

  Grand total of pertinent data by areas

(32) EPB52350

Output Reporting Method

- C31 Time analysis summary

Assignment Parameter

- Header card of "Miscellaneous"
- Independent assignment card
  - "Field Card"
  - "Well Card"

Segment Name

(PCAWELL, "Well Data")

- PCA01WEL, "Well"
- PCA21DHT, "Downhole Trouble"

Master File Name

- Field master

Output Sequence

- Area code
- Well code
- Workover number

Condition of Changing Page

- Area code

Supplementary Explanation for Output Item

- FIELD NAME

  Abbreviation of "Field name"

- OBJECTIVE

  Refer to "Workover number" in "PCA01WEL",

  (In case of "Original well")

  "Objective of well" in "PCA01WEL"

(In case of "Workover well")

"Objective of workover" in "PCA01WEL"

- TIME ANALYSIS

  - RIG UP & DOWN

    - [HRS]

      Total of "Time analysis (1) and (2)" of "PCA01WEL"

    - [%]

      $$[\%] = \frac{[HRS]}{\text{Total of "Time analysis" (PCA01WEL)}} \times 100$$

  - DRILG.

    - [HRS]

      "Time analysis (3)" in "PCA01WEL"

    - [%]

      Same as "[%] of RIG UP & DOWN"

  - TRIP & CIRC

    - [HRS]

      "Time analysis (4) and (5)" in "PCA01WEL"

    - [%]

      Same as "[%] of RIG UP & DOWN"

  - CASING & CEMENTING

    - [HRS]

      Total of "Time analysis (10), (11) and (12)" in "PCA01WEL" by workover numbers

    - [%]

      Same as "[%] of RIG UP & DOWN"

  - REMED. WORK & WAITING

    - [HRS]

      Total of "Time analysis (7) and (8) in "PCA01WEL"

    - [%]

      Same as "[%] of RIG UP & DOWN"

- CORING TESTING LOGGING

  - [HRS]

    Total of "Time analysis (6), (15) and (16)" in "PCA01WEL"

  - [%]

    Same as "[%] of RIG UP & DOWN"

- COMPLETION

  - [HRS]

    "Time analysis (17), (18) and (19)" in "PCA01WEL"

  - [%]

    Same as "[%] of RIG UP & DOWN"

- FISHING REPAIRING OTHERS

  - [HRS]

    "Time analysis (9), (13), (14) and (20)" in "PCA01WEL"

  - [%]

    Same as "[%] of RIG UP & DOWN"

- TOTAL

  - [HRS]

    Total of "Time analysis" in "PCA01WEL"

  - [%]

    Same as "[%] of RIG UP & DOWN"

- SUB TOTAL

  Total of pertinent data by fields

- TOTAL

  Total of pertinent data by areas

(33) BPB52355

Output Reporting Method

- C32 Mud consumption summary

Assignment Parameter

- Header card of "Miscellaneous"
- Independent assignment card
  - "Field Card"
  - "Well Card"

Segment Name

(PCAWELL, "Well Data")

- PCA01WEL, "Well"
- PCA15MCK, "Mud Consumption in Kg"
- PCA16MCL, "Mud Consumption in Litter"
- PCA21DHT, "Downhole Trouble"

Master File Name

- Field master

Output Sequence

- Area code
- Well code
- Workover number

Condition of Changing Page

- Area code

Supplementary Explanation for Output Item

- OBJECTIVE

  Refer to "Workover number" in "PCA01WEL",

  (In case of "Original well")

  "Objective of well" of "PCA01WEL"

  (In case of "Workover well")

  "Objective of workover" of "PCA01WEL"

- MUD AGNET NAME *1

  - [T]

$$T = \frac{\text{Consumption (PCA15MCK)}}{1000}$$

  - [KL]

$$KL = \frac{\text{Consumption (PCA16MCL)}}{1000}$$

- SUB TOTAL

  Total of pertinent data by fields

- TOTAL

  Total of pertinent data by areas

*1

- Output "Consumption" in "PCA15MCK"

  according to the following condition of "Kind of mud agents" in "PCA15MCK"

Headword	Kind of mud agents (Refer to APPENDIX IV)
BENT.	"01"
BARITE	"02"
CMC	Total of "03" and "04"
THINNER	Total of "05" ∿ "09"
CAUSTIC SODA	"10"
SAPP	"11"
LCM	Total of "12" and "13"

- Output "Consumption" in "PCA16MCL"

  according to the following condition of "Kind of mud agents" in "PCA16MCL"

Headword	Kind of mud agents
DRLG. DETERNT	"01"
PIPE LAX	"02"
DIESEL OIL	"03"

(34) EPB52360

Output Reporting Method

-C33 Cement consumption summary

Assignment Parameter

- Header card of "Miscellaneous"
- Independent assignment card
  - "Field Card"
  - "Well Card"

Segment Name

(PCAWELL, "Well Data")

- PCA01WEL, "Well"
- PCA19CCK, "Cement and Additive Consumption in Kg"
- PCA20CCL, "Cement and Additive Consumption in Litter"

Master File Name

- Field master

Output Sequence

- Area code
- Well code
- Workover number

Condition of Changing Page

- Area code

Supplementary Explanation for Output Item

- FIELD NAME

  Abbreviation of "Field name"

- OBJECTIVE OF WELL/WO

  Refer to "Workover number" in "PCA01WEL",

  (In case of "Orignal well")

  "Objective of well" in "PCA01WEL"

(In case of "Workover well")

"Objective of workover" of "PCA01WEL"

- CEMENT AND ADDITIVE NAME *1

  - [T]

$$T = \frac{\text{Consumption (PCA19CCK)}}{1000}$$

  - [KL]

$$KL \doteqdot \frac{\text{Consumption (PCA20CCL)}}{1000}$$

- SUB TOTAL

  Total of pertinent data by fields

- TOTAL

  Total of pertinent data by areas

*1

- Output "Consumption" in "PCA19CCK"

  according to the following condition of "Kind of cement and additives" in "PCA19CCK"

Headword	Kind of cement and additives (Refer to APPENDIX IV)
CLASS G	"01"
CLASS D	"02"
LITEPOZ	"03"
LACL2	"04"
BENT.	"05"
D-28	"06"
D-13	"07"
D-60	"08"

- Output "Consumption" in "PCA20CCL"

  according to the following condition of "Kind of cement and additives" in "PCA20CCL"

Headword	Kind of cement and additives
D-47	"01"
CR-7	"02"

4 D-Petrophysical and PVT Analysis Data Information

(1) EPB53100

Output Reporting Method

- D0-1 Core and PVT analysis information

Assignment Parameter

- Header card of "Petrophysical and PVT Analysis"
- Independent assignment card
  - "Field Card"
  - "Reservoir Card"
  - "Layer Card"
  - "Kind of Analysis Performed Card"
  - "Petrophysical and PVT Analysis Card"

Segment Name

(PDAPTPVT, "Petrophysical and PVT Analysis Data")

- PDA01CPA, "Petrophysical and PVT Analysis"
- PDA02PLC, "Sampling Place Information"
- PDA03ANL, "Analysis Information"

Master File Name

- Field master
- Zone master

Output Sequence

- Analysis code

Condition of Changing Page

- Analysis code

Supplementary Explanation for Output Item

- FIELD OR PROSPECT NAME

  Full name of "Field or prospect name"

-SAMPLE IDENTIFICATION

Refer to "Analysis code" in "PDA01CPA",

(In case of "PVT analysis")

Output the data of "Reservoir unit name " and "Kind of sample" in "PDA02PLC"

(In case of "Petrophysical analysis")

Output the data of "Layer name" and "Kind of sampling" in "PDA02PLC"

(2) EPB53200

Output Reporting Method

- D1 List of analysis report

Assignment Parameter

- Header card of "Petrophysical and PVT Analysis"
- Independent assignment card
  - "Field Card"
  - "Kind of Analysis Performed Card"

Segment Name

(PDAPTPVT, "Petrophysical and PVT Analysis Data")

- PDA01CPA, "Petrophysical and PVT Analysis"
- PDA02PLC, "Sampling Place Information"

Master File Name

- Field master

Output Sequence

- Area code
- Field code
- Analysis code

Condition of Changing Page

- Area code
- Field code

Supplementary Explanation for Output Item

- FIELD OR PROSPECT NAME

  Full name of "Field or prospect name"

(3) EPB53205

Output Reporting Method

- D2 Core analysis record

Assignment Parameter

- Header card of "Petrophysical and PVT Analysis"
- Independent assignment card
  - "Field Card"
  - "Layer Card"

Segment Name

(PDAPTPVT, "Petrophysical and PVT Analysis Data")

- PDA01CPA, "Petrophysical and PVT Analysis"
- PDA02PLC, "Sampling Place Information"
- PDA03ANL, "Analysis Information"

Master File Name

- Field master
- Zone master

Output Sequence

- Area code
- Field code
- Layer code
- Kind of sampling

Condition of Changing Page

- Area code
- Field code

Supplementary Explanation for Output Item

- FIELD OR PROSPECT NAME

  Full name of "Field or prospect name"

(4) BPB53210

Output Reporting Method

- D3 PVT analysis record

Assignment Parameter

- Header card of "Petrophysical and PVT Analysis"
- Independent assignment card
  - "Field Card"
  - "Reservoir Card"

Segment Name

(PDAPTPVT, "Petrophysical and PVT Analysis Data")

- PDA01CPA, "Petrophysical and PVT Analysis"
- PDA02PLC, "Sampling Place Information"
- PDA03ANL, "Analysis Information"

Master File Name

- Field master
- Zone master

Output Sequence

- Area code
- Field code
- Reservoir unit code
- Kind of sample

Condition of Changing Page

- Area code
- Field code

Supplementary Explanation for Output Item

- FIELD OR PROSPECT NAME

  Full name of "Field or prospect name"

5 E-Production Data Information

Remarks

As for "Supplementary Explanation for Output Item" of the output program specification for EPB54200 - EPB54310 in this paragraph, reference is made to the following tables.

Table-1 Output Item for Statistics of Production
Table-2 Supplemental Headword of Production
Table-3 Output Item for Statistics of Injection
Table-4 Supplemental Headword of Injection

All output items needed for statistics are listed in Table-1 for production and Table-3 for injection respectively.

There are four kinds of statistics for these respective output items except No. 16 and No. 17 in Table-1 and No. 2 and No. 3 in Table-3, such as monthly, daily, yearly and cumulative, as follows,

- Monthly (M)

  Monthly production or injection by wells (including pseudo well*)

- Daily (D)

  Daily production or injection by wells are computed as follows,

$$\frac{\text{(Monthly production or injection by wells)}}{\text{(Number of days of the month)}}$$

- Yearly (Y)

  Yearly total of monthly production or injection by wells (including pseudo well*)

- Cumulative (C)

  Cumulative production or injection by wells (including pseudo well*)

* Note: As explained in APPENDIX III, any string is treated as well in the system. As the result, a well with two strings is to be treated as two wells, each of which has one string.

As for, accordingly, "Supplementary Explanation for Output Item", "Output item for statistics" is referred to the tables by output item number in Table-1 and Table-3 headed by marks, such as M, D, C, or Y, D, C as exampled in the following.

Example

Output Reporting Method	Output Item for Statistics
E1	D-1, 2, 3, 4, 5
	M-1, 3, 6
	C-1, 3, 6
	16

Output Reporting Method	Output Item for Statistics
E49	D-1, 2, 3, 4, 5
	Y-1, 3, 6
	C-1, 3, 6
	16

Headwords in the output report layout are listed in Table-2 for production and Table-4 for injection, together with their description. "Supplemental Headwords" in "Supplemental Explanation for Output Items" are referred to the tables by output item number as exampled in the following.

Example

Output Reporting Method	Supplemental Headword
E1	1, 3

"Unit of Statistics" in "Supplementary Explanation for Output Item" is the unit for statistics of the corresponding "Output item for Statistics", which will be calculated and output by the respective output reporting methods. The following example is referred.

Example - 1

Output Item for Statistics	Unit of Statistics
D-1, 2, 3, 4, 5	Unit-II,
M-1, 3, 6	Area,
C-1, 3, 6	Field
16	

Example - 2

Output Item for Statistics	Unit of Statistics
D-1, 2, 3, 4, 5	Date by unit-II
Y-1, 3, 6	
C-1, 3, 6	
16	

In case of Example-1, the data, items of D-1, 2, 3, 4, 5, M-1, 3, 6, C-1, 3, 6 and 16 are calculated and output by Unit-II, by Areas and by Fields, respectively.

In case of Example-2, the data items of D-1, 2, 3, 4, 5, Y-1, 3, 6, C-1, 3, 6 and 16 are calculated and output by Date and by Unit-II, respectively.

Table-1, Output Item for Statistics of Production (1/2)

No.	Output Item	Description *1
1	OIL & TOTAL CONDENSATE	"OIL"
2	WATER CUT	$\frac{\text{"Water"}}{\text{"Oil"} + \text{"Water"}} \times 100$
3	TOTAL GAS	"High pressure gas" + "Medium pressure gas" + "Low pressure gas"
4	GAS OIL RATIO	$\frac{\text{"Total gas"}}{\text{"Oil"}}$
5	INJECTION GAS BY GAS LIFT	"Monthly gas injection volume"
6	WATER	"Water"
7	OIL	"Oil" (in case "Kind of completed zone" is "1")
8	GAS CAP CONDENSATE	"Oil" (in case "Kind of completed zone" is "2")
9	NONASSOCIATED CONDENSATE	"Oil" (in case "Kind of completed zone" is "3")

*1 All items in "Description" are referred to "PEA02MPR".

Output Item for Statistics of Production (2/2)

No.	Output Item	Description
10	HIGH PRESSURE GAS	"High pressure gas"
11	MEDIUM PRESSURE GAS	"Medium pressure gas"
12	LOW PRESSURE GAS	"Low pressure gas"
13	SOLUTION GAS	"High pressure gas" + "Medium pressure gas" + "low pressure gas" (in case "Kind of completed zone" is "1")
14	GAS CAP GAS	"High pressure gas" + "Medium pressure gas" + "Low pressure gas" (in case "Kind of completed zone" is "2")
15	NONASSOCIATED GAS	"High pressure gas" + "Medium pressure gas" + "Low pressure gas" (in case "Kind of completed zone" is "3")
16	NO. OF PRODUCING WELLS	Number of Producing wells
17	PRODUCING MONTHS	("Comulative production days" by wells) / (Number of days of the month)

Table-2, Supplemental Headword of Production (1/2)

No.	Output Item	Description
1	AREA NAME	"Field code" in "PEAO1PIN"
2	FACILITIES FIELD NAME	"Facilities field code" in "PEAO1PIN"
3	FIELD NAME	"Field code" in "PEAO1PIN"
4	BLOCK STATION NUMBER, STATION	"Block station number" in "PEAO2MPR"
5	WELL NAME	"Well code" in "PEAO1PIN"
6	STRING NUMBER AND RECOMPLETION SEQUENCE NOTATION	"String number' in "PEAO1PIN" "Recompletion sequence notation" in "PEAO1PIN"
7	STRING NAME	"String number" in "PEAO1PIN"
8	FORMATION NAME	"Field code" in "PEAO1PIN" "Reservoir unit code" in "PEAO3ZPR"
9	RESERVOIR UNIT	"Reservoir unit code" in "PEAO3ZPR"
10	LAYER NAME	"Field code" in "PEAO1PIN" "Reservoir unit code" in "PEAO3ZPR"

Supplemental Headword of Production (2/2)

No.	Output Item	Description
11	LAYER NAME	"Layer code" in "PEAO3ZPR"
12	SHARE FACTOR	"Share factor for production" in "PEAO3ZPR"
13	DEVELOP. STAT. OF RES. UNIT	"Reservoir unit code" in "PEAO3ZPR"
14	COMPLE	"Kind of completed zone" in "PEAO2MPR"
15	WELL STATUS	"Well status" in "PEAO2MPR"
16	BEAN	"Choke size" in "PEAO2MPR"
17	TP	"Turbing pressure" in "PEAO2MPR"
18	CP	"Casing pressure" in "PEAO2MPR"
19	SEP	"Separator pressure" in "PEAO2MPR"
20	PROD. DAYS	"Production days" in "PEAO2MPR"
21	MONTH YEAR	"Date" in "PEAO2MPR"
22	YEAR	"Date" in "PEAO2MPR"

Table-3, Output Item for Statistics of Injection

No.	Output Item	Description
1	INJECTION	"Monthly injection rate" in "PEAO4MIJ"
2	NUMBER OF INJECTORS	Number of injection wells
3	INJECTION MONTHS	("Cumulative injection days" in "PEAO4MIJ" by wells) / (Number of days of the month)

Table-4, Supplemental Headword of Injection (1/2)

No.	Output Item	Description
1	AREA NAME	"Field code" in "PEA01PIN"
2	FIELD NAME	"Field code" in "PEA01PIN"
3	WELL NAME	"Well code" in "PEA01PIN"
4	STRING NUMBER AND RECOMPLETION SEQUENCE NOTATION	"String number" in "PEA01PIN" "Recompletion sequence notation" in "PEA01PIN"
5	STRING NAME	"String number" in "PEA01PIN"
6	FORMATION NAME	"Field code" in "PEA01PIN" "Reservoir unit code" in "PEA05ZIJ"
7	RESERVOIR UNIT	"Reservoir unit code" in "PEA05ZIJ"
8	LAYER NAME	"Field code" in "PEA01PIN" "Reservoir unit code" in "PEA05ZIJ"
9	LAYER NAME	"Layer code" in PEA05ZIJ"
10	SHARE FACTOR	"Share factor for injection" in "PEA05ZIJ"

Supplemental Headword of Injection (2/2)

No.	Output Item	Description
11	COMPLE	"Kind of completed zone" in "PEAO4MIJ"
12	WELL STATUS	"Well status" in "PEAO4MIJ"
13	WELLHEAD INJECTING PRESSURE	"Wellhead pressure" in "PEAO4MIJ"
14	KIND OF INJECTING FLUID	"Kind of injection fluid" in "PEAO4MIJ"
15	FILTRATION	"Filtration" in "PEAO4MIJ"
16	ADDITIVES	"Additives" in "PEAO4MIJ"
17	INJECTION DAYS	"Injection days" in PEAO4MIJ"
18	MONTH YEAR	"Date" in "PEAO4MIJ"
19	YEAR	"Date" in "PEAO4MIJ"

(1) EPB54100

Output Reporting Method

- E0-1 Production information

Assignment Parameter

- Header card of "Basic Output"
- Independent assignment card
  - "Field Card"
  - "Well Card"

Segment Name

(PEAPRDIN, "Production and Injection")

- PEA01PIN, "Production and Injection"
- PEA02MPR, "Monthly Production"
- PEA03ZPR, "Zonely Production"

Master File Name

- Field master
- Zone master

Output Sequence

- Area code
- Field code
- Well code
- String number
- Recompletion sequence notation
- Date

Condition of Changing Page

- Area code
- Field code

(2) EPB54110

Output Reporting Method

- E0-2 Injection information

Assignment Parameter

- Header card of "Basic Output"
- Independent assignment card
  - "Field Card"
  - "Well Card"

Segment Name

(PEAPRDIN, "Production and Injection")

- PEA01PIN, "Production and Injection"
- PEA04MIJ, "Monthly Injection"
- PEA05ZIJ, "Zonely Injection"

Master File Name

- Field master
- Zone master

Output Sequence

- Area code
- Field code
- Well code
- String number
- Recompletion sequence notation
- Date

Condition of Changing Page

- Area code
- Field code

(3) EPB54200

Output Reporting Method

- E1, E2, E3, E4, E5, E6, E7, E8
  (Monthly oil & total condensate and total gas production)

Assignment Parameter

- Header card of "Production"
- Independent assignment card
  - "Facilities Field Card"
  - "Field Card"
  - "Formation Card"

Segment Name

(PEAPRDIN, "Production and Injection")

- PEA01PIN, "Production and Injection"
- PEA02MPR, "Monthly Production"
- PEA03ZPR, "Zonely Production"

Master File Name

- Field master
- Zone master

Output Sequence

- E1 Area code, Field code
- E2 Area code, Facilities field code, Block station number
- E3 Area code, Field code, Well code, String number, Recompletion sequence notation
- E4 Formation code, Area code, Field code
- E5 Area code, Field code, Formation code, Reservoir unit code
- E6 Area code, Facilities field code, Block station number, Field code, Well code, String number, Recompletion sequence notation
- E7 Area code, Field code, Well code, String number, Recompletion sequence notation, Reservoir unit code
- E8 Area code, Field code, Reservoir unit code, Well code, String number, Recompletion sequence notation

Supplementary Explanation for Output Item

Output Reporting Method	Output Item for Statistics	Unit of Statistics	Supplemental Headword
E1	D-1,2,3,4,5 M-1,3,6 C-1,3,6 16	Unit-II, Area, Field	1,3
E2	D-1,2,3,4 M-1,3 C-1,3 16	Area, Facilities field, Block station	1,2,4
E3	D-1,2,3,5 M-1,3 C-1,3,6 17	Area, Field, Well	1,3,4,5,6,7,11, 14,15,16,17,18, 19,20
E4	D-1,2,3,4,5 M-1,3,6 C-1,3,6 16	Formation, Area, Formation by field.	1,3,8
E5	D-1,2,3,4 M-1,3,6 C-1,3,6 16	Area, Field, Reservoir unit by formation	1,3,8,9,10,13
E6	D-1,2,3,4,5 M-1,3 C-1,3 17	Area, Facilities Field, Well by block station	1,2,4,5,6,7,11, 14,15,16,17,18, 19,20
E7	D-1,2,3,4, M-1,3 C-1,3 17	Area, Field, Reservoir unit by well	1,3,4,5,6,7,9,11, 12,14,15,16,17, 18,19,20
E8	D-1,2,3,4 M-1,3 C-1,3 17	Area, Field, Well by reservoir unit	1,3,4,5,6,7,9,11, 12,14,15,16,17,18, 19,20

(4) EPB54205

Output Reporting Method

- E9, E10, E11, E12

  (Monthly oil, gas cap condensate and non associated condensate production)

Assignment Parameter

- Header card of "Production"
- Independent assignment card
  - "Facilities Field Card"
  - "Field Card"
  - "Formation Card"

Segment Name

(PEAPRDIN, "Production and Injection")

- PEA01PIN, "Production and Injection"
- PEA02MPR, "Monthly Production"
- PEA03ZPR, "Zonely Production"

Master File Name

- Field master
- Zone master

Output Sequence

- E9 Area code, Field code
- E10 Area code, Facilities field code, Block station number
- E11 Formation code, Area code, Field code
- E12 Area code, Field code, Reservoir unit code

Supplementary Explanation for Output Item

Output Reporting Method	Output Item for Statistics	Unit of Statistics	Supplemental Headword
B9	D-7,8,9 M-7,8,9 C-7,8,9	Unit-II, Area, Field	1,3
B10	D-7,8,9 M-7,8,9 C-7,8,9	Area, Facilities field, Block station	1,2,4
B11	D-7,8,9 M-7,8,9 C-7,8,9	Formation, Area, Formation by field	1,3,8
B12	D-7,8,9 M-7,8,9 C-7,8,9	Area, Field, Reservoir unit	1,3,9,10

(5) EPB54210

Output Reporting Method

- E13, E14, E15, E16, E17, E18

  (Monthly high pressure gas, medium pressure gas and low pressure gas production)

Assignment Parameter

- Header card of "Production"
- Independent assignment card
  - "Facilities Field Card"
  - "Field Card"
  - "Formation Card"

Segment Name

(PEAPRDIN, "Production and Injection")

- PEA01PIN, "Production and Injection"
- PEA02MPR, "Monthly Production"
- PEA032PR, "Zonely Production"

Master File Name

- Field master
- Zone master

Output Sequence

- E13 Area code, Field code
- E14 Area code, Facilities field code, Block station number
- E15 Area code, Field code, Well code, String number, Recompletion sequence notation
- E16 Area code, Facilities field code, Block station number, Field code, Well code, String number, Recompletion sequence notation
- E17 Formation code, Area code, Field code
- E18 Area code, Field code, Reservoir unit code

Supplementary Explanation for Output Item

Output Reporting Method	Output Item for Statistics	Unit of Statistics	Supplemental Headwords
E13	D-10,11,12 M-10,11,12 C-10,11,12	Unit-II, Area, Field	1,3
E14	D-10,11,12 M-10,11,12 C-10,11,12	Area, Facilities field, Block station	1,2,4
E15	D-10,11,12 M-10,11,12 C-10,11,12	Area, Field, Well	1,3,4,5,6,7, 11,14,15,16, 20
E16	D-10,11,12 M-10,11,12 C-10,11,12	Area, Facilities field, Well by block station	1,2,4,5,6,7, 11,14,15,16, 20
E17	D-10,11,12 M-10,11,12 C-10,11,12	Formation, Area, Formation by field	1,3,8
E18	D-10,11,12 M-10,11,12 C-10,11,12	Area, Field, Reservoir unit	1,3,9,10

(6) EPB54215

Output Reporting Method

- E19, E20, E21, E22
  (Monthly solution gas, gas cap gas and non associated gas production)

Assignment Parameter

- Header card of "Production"
- Independent assignment card
  - "Facilities Field Card"
  - "Field Card"
  - "Formation Card"

Segment Name

(PEAPRDIN, "Production and Injection")

- PEA01PIN, "Production and Injection"
- PEA02MPR, "Monthly Production"
- PEA03ZPR, "Zonely Production"

Master File Name

- Field master
- Zone master

Output Sequence

- E19 Area code, Field code
- E20 Area code, Facilities field code, Block sation number
- E21 Formation code, Area code, Field code
- E22 Area code, Field code, Reservoir unit code

Supplementary Explanation for Output Item

Output Reporting Method	Output Item for Statistics	Unit of Statistics	Supplemental Headword
E19	D-13,14,15 M-13,14,15 C-13,14,15	Unit-II, Area, Field	1,3
E20	D-13,14,15 M-13,14,15 C-13,14,15	Area, Facilities field, Block station	1,2,4
E21	D-13,14,15 M-13,14,15 C-13,14,15	Formation, Area, Formation by field	1,3,8
E22	D-13,14,15 M-13,14,15 C-13,14,15	Area, Field, Reservoir unit	1,3,9,10

(7) EPB54220

Output Reporting Method

- E23, E24, E25, E26, E27, E28, E29
  (Historical monthly oil & total condensate and total gas production)

Assignment Parameter

- Header card of "Production"
- Independent assignment card
  - "Facilities Field Card
  - "Field Card"
  - "Block Station Card"
  - "Well Card"
  - "Formation Card"
  - "Reservoir Unit Card"

Segment Name

(PEAPRDIN, "Production and Injection")

- PEA01PIN, "Production and Injection"
- PEA02MPR, "Monthly Production"
- PEA03ZPR, "Zonely Production"

Master File Name

- Field master
- Zone master

Output Sequence

- E23 Date
- E24 Area code, Date
- E25 Area code, Field code, Date
- E26 Facilities field code, Block station number, Date
- E27 Field code, Well code, Date, String number, Recompletion sequence notation
- E28 Formation code, Area code or field code, Date
- E29 Field code, Reservoir unit code, Date

Supplementary Explanation for Output Item

Output Reporting Method	Output Item for Statistics	Unit of Statistics	Supplemental Headword
E23	D-1,2,3,4,5 M-1,3,6 C-1,3,6 16	Date by unit-II	21
E24	D-1,2,3,4,5 M-1,3,6 C-1,3,6 16	Date by area	1,21
E25	D-1,2,3,4,5 M-1,3,6 C-1,3,6 16	Date by field	1,3,21
E26	D-1,2,3,4,5 M-1,3,6 C-1,3,6 16	Date by block station	2,4,21
E27	D-1,2,3,5 M-1,3 C-1,3 17	Date by well	3,4,5,6,7,9,11, 14,15,16,17,18, 19,20,21
E28	D-1,2,3,4,5 M-1,3,6 C-1,3,6 16	Date for formation by area or date for formation by field	1,3,8,21
E29	D-1,2,3,4,5 M-1,3,6 C-1,3,6 16	Date by reservoir unit	3,9,10,21

(8) EPB54225

Output Reporting Method

- E30, E31, E32, E33, E34, E35
  (Historical monthly oil, gas cap condensate and non associated condensate production)

Assignment Parameter

- Header card of "Production"
- Independent assignment card
  - "Facilities Field Card"
  - "Field Card"
  - "Block Station Card"
  - "Formation Card"
  - "Reservoir Unit Card"

Segment Name

(PEAPRDIN, "Production and Injection")

- PEA01PIN, "Production and Injection"
- PEA02MPR, "Monthly Production"
- PEA03ZPR, "Zonely Production"

Master File Name

- Field master
- Zone master

Output Sequence

- E30 Date
- E31 Area code, Date
- E32 Area code, Field code, Date
- E33 Facilities field code, Block station number, Date
- E34 Formation code, Area code or field code, Date
- E35 Field code, Reservoir unit code, Date

Supplementary Explanation for Output Item

Output Reporting Method	Output Item for Statistics	Unit of Statistics	Supplemental Headword
E30	D-7,8,9 M-7,8,9 C-7,8,9	Date by unit-II	21
E31	D-7,8,9 M-7,8,9 C-7,8,9	Date by are	1,21
E32	D-7,8,9 M-7,8,9 C-7,8,9	Date by field	1,3,21
E33	D-7,8,9 M-7,8,9 C-7,8,9	Date by block station	2,4,21
E34	D-7,8,9 M-7,8,9 C-7,8,9	Date for formation by area or date for date for formation by field	1,3,8,21
E35	D-7,8,9 M-7,8,9 C-7,8,9	Date by reservoir unit	3,9,10,21

(9) EPB54230

Output Reporting Method

- E36, E37, E38, E39, E40, E41, E42
  (Historical monthly high pressure gas, medium pressure gas and low pressure gas production)

Assignment Parameter

- Header card of "Production"
- Independent assignment card
  - "Facilities Field Card"
  - "Field Card"
  - "Block Station Card"
  - "Well Card"
  - "Formation Card"
  - "Reservoir Unit Card"

Segment Name

(PEAPRDIN, "Production and Injection")

- PEA01PIN, "Production and Injection"
- PEA02MPR, "Monthly Production"
- PEA03ZPR, "Zonely Production"

Master File Name

- Field master
- Zone master

Output Sequence

- E36 Date
- E37 Area code, Date
- E38 Area code, Field code, Date
- E39 Facilities field code, Block station number, Date
- E40 Field code, Well code, Date, String number, Recompletion sequence notation
- E41 Formation code, Area code or field code, Date
- E42 Field code, Reservoir unit code, Date

Supplementary Explanation for Output Item

Output Reporting Method	Output Item for Statistics	Unit of Statistics	Supplemental Headword
E36	D-10,11,12 M-10,11,12 C-10,11,12	Date by unit-II	21
E37	D-10,11,12 M-10,11,12 C-10,11,12	Date by area	1,21
E38	D-10,11,12 M-10,11,12 C-10,11,12	Date by field	1,3,21
E39	D-10,11,12 M-10,11,12 C-10,11,12	Date by block station	2,4,21
E40	D-10,11,12 M-10,11,12 C-10,11,12	Date by well	3,4,5,6,7,11, 14,15,16,20,21
E41	D-10,11,12 M-10,11,12 C-10,11,12	Date for formation by area or date for formation by field	1,3,8,21
E42	D-10,11,12 M-10,11,12 C-10,11,12	Date by reservoir unit	3,9,10,21

(10) EPB54235

Output Reporting Method

- E43, E44, E45, E46, E47, E48
  (Historical monthly solution gas, gas cap gas and non associated gas production)

Assignment Parameter

- Header card of "Production"
- Independent assignment card
  - "Facilities Field Card"
  - "Field Card"
  - "Block Station Card"
  - "Formation Card"
  - "Reservoir Unit Card"

Segment Name

(PEAPRDIN, "Production and Injection")

- PEA01PIN, "Production and Injection"
- PEA02MPR, "Monthly Production"
- PEA03ZPR, "Zonely Production"

Master File Name

- Field master
- Zone master

Output Sequence

- E43 Date
- E44 Area code, Date
- E45 Area code, Field code, Date
- E46 Facilities field code, Block station number, Date
- E47 Formation code, Area code or field code, Date
- E48 Field code, Reservoir unit code, Date

Supplementary Explanation for Output Item

Output Reporting Method	Output Item for Statistics	Unit of Statistics	Supplemental Headword
E43	D-13,14,15 M-13,14,15 C-13,14,15	Date by unit-II	21
E44	D-13,14,15 M-13,14,15 C-13,14,15	Date by area	1,21
E45	D-13,14,15 M-13,14,15 C-13,14,15	Date by field	1,3,21
E46	D-13,14,15 M-13,14,15 C-13,14,15	Date by block station	2,4,21
E47	D-13,14,15 M-13,14,15 C-13,14,15	Date for formation by area or date for formation by field	1,3,8,21
E48	D-13,14,15 M-13,14,15 C-13,14,15	Date by reservoir unit	3,9,10,21

(11) EPB54240

Output Reporting Method

- B49, B50, B51, B52, B53, B54, B55
  (Historical yearly oil & total condensate and total gas production)

Assignment Parameter

- Header card of "Production"
- Independent assignment card
  - "Facilities Field Card
  - "Field Card"
  - "Block Station Card"
  - "Well Card"
  - "Formation Card"
  - "Reservoir Unit Card"

Segment Name

(PEAPRDIN, "Porduction and Injection")

- PEA01PIN, "Production and Injection"
- PEA02MPR, "Monthly Production"
- PEA03ZPR, "Zonely Production"

Master File Name

- Field master
- Zone master

Output Sequence

- B49 Date
- B50 Area code, Date
- B51 Area code, Field code, Date
- B52 Facilities field code, Block station number, Date
- B53 Field code, Well code, Date, String number, Recompletion sequence notation
- B54 Formation code, Area code or field code, Date
- B55 Field code, Reservoir unit code, Date

Supplementary Explanation for Output Item

Output Reporting Method	Output Item for Statistics	Unit of Statistics	Supplemental Headword
E49	D-1,2,3,4,5 Y-1,3,6 C-1,3,6 16	Date by unit-II	22
E50	D-1,2,3,4,5 Y-1,3,6 C-1,3,6 16	Date by area	1,22
E51	D-1,2,3,4,5 M-1,3,6 C-1,3,6 16	Date by field	1,3,22
E52	D-1,2,3,4,5 Y-1,3,6 C-1,3,6 16	Date by block station	2,4,22
E53	D-1,2,3,5 Y-1,3 C-1,3 17	Date by well	3,4,5,6,7,9,11,14,15,16,17,18,19,20,22
E54	D-1,2,3,4,5 Y-1,3,6 C-1,3,6 16	Date for formation by area or date for formation by field	1,3,8,22
E55	D-1,2,3,4,5 Y-1,3,6 C-1,3,6 16	Date by reservoir unit	3,9,10,22

(12) EPB54245

Output Reporting Method

- E56, E57, E58, E59, E60, E61
  (Historical yearly oil, gas cap condensate and non associated condensate production)

Assignment Parameter

- Header card of "Production"
- Independent assignment card
  - "Facilities Field Card"
  - "Field Card"
  - "Block Station Card"
  - "Formation Card"
  - "Reservoir Unit Card"

Segment Name

(PEAPRDIN, "Production and Injection")

- PEA01PIN, "Production and Injection"
- PEA02MPR, "Monthly Production"
- PEA03ZPR, "Zonely Production"

Master File Name

- Field master
- Zone master

Output Sequence

- E56 Date
- E57 Area code, Date
- E58 Area code, Field code, Date
- E59 Facilities field code, Block station number, Date
- E60 Formation code, Area code or field code, Date
- E61 Field code, Reservoir unit code, Date

Supplementary Explanation for Output Item

Output Reporting Method	Output Item for Statistics	Unit of Statistics	Supplemental Headword
E56	D-7,8,9 Y-7,8,9 C-7,8,9	Date by unit-II	22
E57	D-7,8,9 Y-7,8,9 C-7,8,9	Date by are	1,22
E58	D-7,8,9 Y-7,8,9 C-7,8,9	Date by field	1,3,22
E59	D-7,8,9 Y-7,8,9 C-7,8,9	Date by block station	2,4,22
E60	D-7,8,9 Y-7,8,9 C-7,8,9	Date for formation by area or date for formation by field	1,3,8,22
E61	D-7,8,9 Y-7,8,9 C-7,8,9	Date by reservoir unit	3,9,10,22

(13) EPB54250

Output Reporting Method

- E62, E63, E64, E65, E66, E67, E68
  (Historical yearly high pressure gas, medium pressure gas and low pressure gas production)

Assignment Parameter

- Header card of "Production"
- Independent assignment card
  - "Facilities Field Card"
  - "Field Card"
  - "Block Station Card"
  - "Well Card"
  - "Formation Card"
  - "Reservoir Unit Card"

Segment Name

(PEAPRDIN, "Production and Injection")

- PEA01PIN, "Production and Injection"
- PEA02MPR, "Monthly Production"
- PEA03ZPR, "Zonely Production"

Master File Name

- Field master
- Zone master

Output Sequence

- E62 Date
- E63 Area code, Date
- E64 Area code, Field code, Date
- E65 Facilities field code, Block station number, Date
- E66 Field code, Well code, Date, String number, Recompletion sequence notation
- E67 Formation code, Area code or field code, Date
- E68 Field code, Reservoir unit code, Date

Supplementary Explanation for Output Item

Output Reporting Method	Output Item for Statistics	Unit of Statistics	Supplemental Headword
E62	D-10,11,12 Y-10,11,12 C-10,11,12	Date by unit-II	22
E63	D-10,11,12 Y-10,11,12 C-10,11,12	Date by area	1,22
E64	D-10,11,12 Y-10,11,12 C-10,11,12	Date by field	1,3,22
E65	D-10,11,12 Y-10,11,12 C-10,11,12	Date by block station	2,4,22
E66	D-10,11,12 Y-10,11,12 C-10,11,12	Date by well	3,4,5,6,7,11, 14,15,16,20,22
E67	D-10,11,12 Y-10,11,12 C-10,11,12	Date for formation by area or date for formation by field	1,3,8,22
E68	D-10,11,12 Y-10,11,12 C-10,11,12	Date by reservoir unit	3,9,10,22

(14) EPB54255

Output Reporting Method

- E69, E70, E71, E72, E73, E74
  (Historical yearly solution gas, gas cap gas and non associated gas production)

Assignment Parameter

- Header card of "Production"
- Independent assignment card
  - "Facilities Field Card"
  - "Field card"
  - "Block Station Card"
  - "Formation Card"
  - "Reservoir Unit Card"

Segment Name

(PEAPRDIN, "Production and Injection")

- PEA01PIN, "Porduction and Injection"
- PEA02MPR, "Monthly Production"
- PEA03ZPR, "Zonely Production"

Master File Name

- Field master
- Zone master

Output Seuqence

- E69 Date
- E70 Area code, Date
- E71 Area code, Field code, Date
- E72 Facilities field code, Block station number, Date
- E73 Formation code, Area code or field code, Date
- E74 Field code, Reservoir unit code, Date

Supplementary Explanation for Output Item

Output Reporting Method	Output Item for Statistics	Unit of Statistics	Supplemental Headword
E69	D-13,14,15 Y-13,14,15 C-13,14,15	Date by unit-II	22
E70	D-13,14,15 Y-13,14,15 C-13,14,15	Date by area	1,22
E71	D-13,14,15 Y-13,14,15 C-13,14,15	Date by field	1,3,22
E72	D-13,14,15 Y-13,14,15 C-13,14,15	Date by block station	2,4,22
E73	D-13,14,15 Y-13,14,15 C-13,14,15	Date for formation by area or date for formation by field	1,3,8,22
E74	D-13,14,15 Y-13,14,15 C-13,14,15	Date by reservoir unit	3,9,10,22

(15) EPB54300

Output Reporting Method

- E101, E102, E103, E104, E105, E106, E107, E108, E109, E110, E111, E112
  (Monthly injection)

Assignment Parameter

- Header card of "Injection"
- Independent assignment card
  - "Field Card"
  - "Well Card"
  - "Formation Card"

Segment Name

(PEAPRDIN, "Production and Injection")

- PEA01PIN, "Production and Injection"
- PEA04MIJ, "Monthly Injection"
- PEA05ZIJ, "Zonely Injection"

Master Field Name

- Field master
- Zone master

Output Sequence

- E101 Area code, Field code
- E102 Area code, Field code, Well code, String number, Recompletion sequence notation
- E103 Formation code, Area code, Field code
- E104 Formation code, Area code, Field code Reservoir unit code
- E105 Area code, Field code, Well code, String number, Recompletion sequence notation, Reservoir unit code
- E106 Area code, Field code, Reservoir unit code, Well code, String number, Recompletion sequence notation
- E107 Area code, Field code
- E108 Area code, Field code, Well code, String number, Recompletion sequence notation

- E109 Formation code, Area Code, Field code
- E110 Area code, Field code, Formation code, Reservoir unit code
- E111 Area code, Field code, Well code, String number, Recompletion sequence notation, Reservoir unit code
- E112 Area code, Field code, Reservoir unit code, Well code, String number, Recompletion sequence notation

Supplementary Explanation for Output Item

Output Reporting Method	Output Item for Statistics	Unit of Statistics	Supplemental Headword
E101	D-1, M-1, C-1 2	Unit-II, Area, "*1" by area, "*1" by field	1,2,14
E102	D-1, M-1, C-1 3	Area, Field, "*1" by well	1,2,3,4,5,9, 12,13,14,15, 16,17
E103	D-1, M-1, C-1 2	Formation, Area, "*1" by area by formation "*1" by field by formation	1,2,6,14
E104	D-1, M-1, C-1 2	Area, Field, Formation, "*1" by "*2" by formation by field	1,2,6,7,8,14
E105	D-1, M-1, C-1 3	Area, Field, "*1" by "*2" by well	1,2,3,4,5,7, 9,10,11,12,13, 14,15,16,17
E106	D-1, M-1, C-1 3	Area, Field, "*1" by well by "*2"	1,2,3,4,5,7,8, 10,11,12,13,14, 15,16,17
E107	D-1, M-1, C-1 2	Unit-II, Area, "*1" by area, "*1" by field	1,2,14
E108	D-1, M-1, C-1 3	Area, Field, "*1" by well	1,2,3,4,5,9, 12,13,14,15, 16,17

Output Reporting Method	Output Item for Statistics	Unit of Statistics	Supplemental Headword
E109	D-1, M-1, C-1 2	Formation, Area, "*1" by area by formation "*1" by field by formation	1,2,6,14
E110	D-1, M-1, C-1 2	Area, Field, Formation, "*1" by "*2" by formation by field	1,2,6,7,8,14
E111	D-1, M-1, C-1 3	Area, Field, "*1" by "*2" by well	1,2,3,4,5,7,9, 10,11,12,13,14, 17
E112	D-1, M-1, C-1 3	Area, Field, "*1" by well by "*2"	1,2,3,4,5,7,8, 10,11,12,13,14, 17

*1: Kind of injecting fluid

*2: Reservoir unit

(16) BPB54310

Output Reporting Method

- B113, B114, B115, B116, B117, B118, B119, B120, B121, B122, B123, B124
  (Historical monthly injection)

Assignment Parameter

- Header card of "Injection"
- Independent assignment card
  - "Field Card"
  - "Well Card"
  - "Formation Card"
  - "Reservoir Unit Card"

Segment Name

(PEAPRDIN, "Production and Injection")

- PEA01PIN, "Production and Injection"
- PEA04MIJ, "Monthly Injection"
- PEA05ZIJ, "Zonely Injection"

Master File Name

- Field master
- Zone master

Output Sequence

- B113 Date
- B114 Area code, Date
- B115 Area code, Field code, Date
- B116 Field code, Well code, Date, String number, Recomplétion sequence notation
- B117 Formation code, Area code or field code, Date
- B118 Field code, Reservoir unit code, Date
- B119 Date
- B120 Area code, Date
- B121 Area code, Field code, Date
- B122 Area code, Field code, Well code, String number, Recomplétion sequence notation

- E123 Formation code, Area code or field code, Date
- E124 Field code, Reservoir unit code, Date

Supplementary Explanation for Output Item

Output Reporting Method	Output Item for Statistics	Unit of Statistics	Supplemental Headword
E113	D-1, M-1, C-1 2	"*1" by date by unit-II	14,18
E114	D-1, M-1, C-1 2	"*1" by date by area	1,14,18
E115	D-1, M-1, C-1 2	"*1" by date by field	1,2,14,18
E116	D-1, M-1, C-1 3	"*1" by date by well	2,3,4,5,7,9,11, 12,13,14,15,16, 17,18
E117	D-1, M-1, C-1 2	"*1" by date for formation by area or "*1" by date for formation by field	1,2,6,14,18
E118	D-1, M-1, C-1	"*1" by date by reservoir	2,7,8,14,18
E119	D-1, M-1, C-1 2	"*1" by date by unit-II	14,18
E120	D-1, M-1, C-1 2	"*1" by date by area	1,14,18
E121	D-1, M-1, C-1 2	"*1" by date by field	1,2,14,18
E122	D-1, M-1, C-1 3	"*1" by date by well	2,3,4,5,7,9,11, 12,13,14,17,18,
E123	D-1, M-1, C-1 2	"*1" by date for formation by area or "*1" by date for formation by field	1,2,6,14,18
E124	D-1, M-1, C-1 2	"*1" by date by reservoir	2,7,8,14,18

*1: Kind of injecting fluid

(17) EPB54320

Output Reporting Method

- E125, E126, E127, E128, E129, E130, E131, E132, E133, E134, E135, E136
  (Historical yearly injection)

Assignment Parameter

- Header card of "Injection"
- Independent assignment card
  - "Field Card"
  - "Well Card"
  - "Formation Card"
  - "Reservoir Unit Card"

Segment Name

(PEAPRDIN, "Porduction and Injection")

- PEA01PIN, "Production and Injection"
- PEA04MIJ, "Monthly Injection"
- PEA05ZIJ, "Zonely Injection"

Master File Name

- Field master
- Zone master

Output Sequence

- E125 Date
- E126 Area code, Date
- E127 Area code, Field code, Date
- E128 Field code, Well code, Date, String number, Recompletion sequence notation
- E129 Formation code, Area code or field code, Date
- E130 Field code, Reservoir unit code, Date
- E131 Date
- E132 Area code, Date
- E133 Area code, Field code, Date
- E134 Area code, Field code, Well code, String number, Recompletion sequence notation

- E135 Formation code, Area code or field code, Date
- E136 Field code, Reservoir unit code,. Date

Supplementary Explanation for Output Item

Output Reporting Method	Output Item for Statistics	Unit of Statistics	Supplemental Headword
E125	D-1, Y-1, C-1 2	"*1" by date by unit-II	14, 19
E126	D-1, Y-1, C-1 2	"*1" by date by area	1,14,19
E127	D-1, Y-1, C-1 2	"*1" by date by field	1,2,14,19
E128	D-1, Y-1, C-1 3	"*1" by date by well	2,3,4,5,7,9,11, 12,13,14,15,16, 17,19
E129	D-1, Y-1, C-1 2	"*1" by date for formation by area or "*1" by date for formation by field	1,2,6,14,19
E130	D-1, Y-1, C-1	"*1" by date by reservoir	2,7,8,14,19
E131	D-1, Y-1, C-1 2	"*1" by date by unit-II	14,19
E132	D-1, Y-1, C-1 2	"*1" by date by area	1,14,19
E133	D-1, Y-1, C-1 2	"*1" by date by field	1,2,14,19
E134	D-1, Y-1, C-1 3	"*1" by date by well	2,3,4,5,7,9,11, 12,13,14,17,19
E135	D-1, Y-1, C-1 2	"*1" by date for formation by area or "*1" by date for formation by field	1,2,6,14,19
E136	D-1, Y-1, C-1	"*1" by date by reservoir unit	2,7,8,14,19

*1: Kind of injecting fluid

(18) EPB54400

Output Reporting Method

- E201, E202
  (Monthly gas consumption)

Assignment Parameter

- Header card of "Consumption"

Segment Name

(PECGASCS, "Gas Consumption")
- PEC01GCS, "Gas Consumption"
- PEC02MCO, "Monthly Consumption"

Master File Name

- Field master

Output Sequence

- E201 Area code
- E202 Area code, Field code

Condition of Changing Page

- E201 Nothing
- E202 Area code

(19) EPB54405

Output Reporting Method

- E203, E204, E205
  (Summary of monthly gas consumption)

Assignment Parameter

- Header card of "Consumption"

Segment Name

(PECGASCS, "Gas Consumption")

- PEC01GCS, "Gas Consumption"
- PEC02MCO, "Monthly Consumption"

Master File Name

- Field master

Output Sequence

- E203 Area code, Field code
- E204 Area code, Field code
- E205 Area code, Field code

Condition of Changing Page

- E203 Area code
- E204 Area code
- E205 Area code

Supplementary Explanation for Output Item

- E203
  - OWN USE
    Refer to the code of "Kind of gas comsumption" in "PEC02MCO"

    in case of the code with "01", "02", "03 and "04", output the total of "Own use" by fields

- PROCESS

  Refer to the code of "Kind of gas consumption" in "PEC02MCO"

  in case of the code with "05", "06", "07", "08" "09", "10" and "11", output the total of "Process" by fields

- SUBTOTAL

  Refer to the code of "Kind of gas consumption" in PEC02MCO"

  in case of the code with "12", "13" and "14, output the total of "Sales" by fields

- TOTAL

  Refer to the code of "kind of gas consumption" in "PEC02MCO"

  in case of the code with "01" ∿ "16", output the total of all item by fields

- E204
  - SUBTOTAL

    Refer to the code of "Kind of gas consumption" in "PEC02MCO"

    in case of the code with "02" and "03", output the total of "Gas lift" by fields

  - TOTAL

    Refer to the code of "Kind of gas consumption" in "PEC02MCO"

    in case of the code with "01" ∿ "04", output the total of "Own use" by fields

- E205
  - SUBTOTAL

    Refer to the code of "Kind of gas consumption" in "PEC02MCO"

    in case of the code with "08" and "09", output the total of "Refinery" by fields

  - TOTAL

    Refer to the code of "Kind of gas consumption" in "PEC02MCO"

    in case of the code with "05" ∿ "11", output the total of "Process" by fields

(20) EPB54410

Output Reporting Method

- E206, E207, E208
  (Historical monthly gas consumption)

Assignment Parameter

- Header card of "Consumption"
- Independent assignment card
  - "Field Card"

Segment Name

(PECGASCS, "Gas Consumption")

- PEC01GCS, "Gas Consumption"
- PEC02MCO, "Monthly Consumption"

Master File Name

- Field master

Output Sequence

- E206 Date
- E207 Date, Area code
- E208 Date, Area code, Field code

Condition of Changing Page

- E206 Date
- E207 Date, Area code
- E208 Date, Area code, Field code

(21) EPB54415

Output Reporting Method

- E209, E210, E211
  (Summary of historical monthly gas consumption)

Assignment Parameter

- Header card of "Consumption)
- Independent assignment card
  - "Field Card"

Segment Name

(PECGASCS, "Gas Consumption")

- PEC01GCS, "Gas Consumption"
- PEC02MCO, "Monthly Consumption"

Master File Name

- Field master

Output Sequence

- E209 Date
- E210 Area code, Date
- E211 Area code, Field code, Date

Condition of Changing Page

- E209 Nothing
- E210 Area code
- E211 Area code, Field code

Supplementary Explanation for Output Item

- E209, E210, E211
  - OWN USE
    Refer to the code of "Kind of gas consumption" in "PEC02MCO"
    in case of the code with "01", "02", "03" and "04", output the total of "Own use" by unit or area or field *1

- PROCESS

  Refer to the code of "Kind of gas consumption" in "REC02MCO"

  in case of the code with "05", "06", "07", "08" "09", "10" and "11", output the total of "Process" by unit or area or field *1

- SUBTOTAL

  Refer to the code of "Kind of gas consumption" in "PEC02MCO"

  in case of the code with "12", "13" and "14", output the total of "Sales" by unit or area or field *1

- TOTAL

  Refer to the code of "Kind of gas consumption" in "PEC02MCO"

  in case of the code with "01" ∿ "16", output the total of all item by unit or area or field *1

*1: E209 ..... unit
    E210 ..... area
    E211 ..... field

(22) EPB54420

Output Reporting Method

- E212, E213, E214
  (Summary of historical monthly own use gas consumption)

Assignment Parameter

- Header card of "Consumption"
- Independent assignment card
  - "Field Card"

Segment Name

(PECGASCS, "Gas Consumption")
- PEC01GCS, "Gas Consumtpion"
- PEC02MCO, "Monthly Consumption"

Master File Name

- Field master

Output Sequence

- E212 Date
- E213 Area code, Date
- E214 Area code, Field code, Date

Condition of Changing Page

- E212 Nothing
- E213 Area code
- E214 Area code, Field code

Supplementary Explanation for Output Item

- E212, E213, E214

  - TOTAL

    Refer to the code of "Kind of gas consumption" in "PEC02MCO"

    in case the code with "01", "02", "03" and "04"
    output the total of "own use" by unit or area or field *1

    *1: E212 ..... units
        E213 ..... areas
        E214 ..... fields

(23) EPB54425

Output Reporting Method

- E215, E216, E217
  (Summary of historical monthly process gas consumption)

Assignment Parameter

- Header card of "Consumption"
- Independent assignment card
  - "Field Card"

Segment Name

(PECGASCS, "Gas Consumption")
- PEC01GCS, "Gas Consumption"
- PEC02MCO, "Monthly Consumption"

Master File Name

- Field master

Output Sequence

- E215 Date
- E216 Area code, Date
- E217 Area code, Field code, Date

Condition of Changing Page

- E215 Nothing
- E216 Area code
- E217 Area code, Field code

Supplementary Explanation for Output Item

- E215, E216, E217

  - TOTAL

    Refer to the code of "Kind of gas consumption" in "PEC02MCO"

    in case the code with "05", "06", "07", "08", "05", "10" and "11" output the total of "Process" by unit or area or field *1

    *1: E215 ..... unit
        E216 ..... area
        E217 ..... field

(24) EPB54430

Output Reporting Method

- E218, E219, E220
  (Historical yearly gas consumption)

Assignment Parameter

- Header card of "Consumption"
- Independent assignment card
  - "Field Card"

Segment Name

(PECGASCS, "Gas Consumption")
- PEC01GCS, "Gas Consumption"
- PEC02MCO, "Monthly Consumption"

Master File Name

- Field master

Output Sequence

- E218 Date
- E219 Date, Area code
- E220 Date, Area code, Field code

Condition of Changing Page

- E218 Date
- E219 Date, Area code
- E220 Date, Area code, Field code

(25) EPB54435

Output Reporting Method

- E221, E222, E223
  (Summary of historical yearly gas consumption)

Assignment Parameter

- Header card of "Consumption"
- Independent assignment card
  - "Field Card Card"

Segment Name

(PECGASCS, "Gas Consumption")

- PEC01GCS, "Gas Consumption"
- PEC02MCO, "Mothly Consumption"

Master File Name

- Field master

Output Sequence

- E221 Date
- E222 Area code, Date
- E223 Area code, Field code, Date

Condition of Changing Page

- E221 Nothing
- E222 Area code
- E223 Area code, Field code

Supplementary Explanation for Output Item

- E221, E222, E223
  - OWN USE
    - Refer to the code of "Kind of gas consumption" in "PEC02MCO"

      in case of the code with "01", "02", "03" and "04", output the total of "Own use" by unit or area or field *1

- PROCESS

  Refer to the code of "Kind of gas consumption" in "PEC02MCO"

  in case of the code with "05", "06", "07", "08" "09", "10" and "11", output the total of "Process" by unit or area or field *1

- SUBTOTAL

  Refer to the code of "Kind of gas consumption" in "PEC02MCO"

  in case of the code with "12", "13" and "14", output the total of "Sales" by unit or area or field *1

- TOTAL

  Refer to the code of "Kind of gas consumption" in "PEC02MCO"

  in case of the code with "01" ∿ "16", output the total of all item by unit or area of field *1

  *1: B221 ..... unit
      B222 ..... area
      B223 ..... field

(26) EPB54440

Output Reporting Method

- E224, E225, E226
  (Summary of historical yearly own use gas consumption)

Assignment Parameter

- Header card of "Consumption"
- Independent assignment card
  - "Field Card"

Segment Name

(PECGASCS, "Gas Consumption")

- PEC01GCS, "Gas Consumption"
- PEC02MCO, "Monthly Consumption"

Master File Name

- Field master

Output Sequence

- E224 Date
- E225 Area code, Date
- E226 Area code, Field code, Date

Condition of Changing Page

- E224 Nothing
- E225 Area code
- E226 Area code, Field code

Supplementary Explanation for Output Item

- B224, B225, B226

  - TOTAL

    Refer to the code of "Kind of gas consumption" in "PEC02MCO"

    in case the code with "01", "02", "03" and "04"
    output the total of "own use" by unit or area or field *1

*1: B224 ..... unit
    B225 ..... area
    B226 ..... field

(27) EPB54445

Output Reporting Method

- E227, E228, E229
  (Summary of historical yearly process gas consumption)

Assignment Parameter

- Header card of "Consumption"
- Independent assignment card
  - "Field Card"

Segment Name

(PECGASCS, "Gas Consumption")
- PEC01GCS, "Gas Consumption"
- PEC02MCO, "Monthly Consumption"

Master File Name

- Field master

Output Sequence

- E227 Date
- E228 Area code, Date
- E229 Area code, Field code, Date

Condition of Changing Page

- E227 Nothing
- E228 Area code
- E229 Area code, Field code

Supplementary Explanation for Output Item

- E227, E228, E229

  - TOTAL

    Refer to the code of "Kind of gas consumption" in "PEC02MCO"

      in case the code with "05", "06", "07", "08", "05", "10" and "11"
      output the total of "Process" by unit or area or field *1

*1: E227 ..... unit
    E228 ..... area
    E229 ..... field

(28) EPB54450

Output Reporting Method

- E230 Monthly oil consumption by area

Assignment Parameter

- Header card of "Consumption"

Segment Name

(PEBOILCS, "Oil Consumption")

- PEB01OCS, "Oil Consumption"

Output Sequence

- Area code

Supplementary Explanation for Output Item

- FIELD USE TOTAL

Road maintenance (PEB01OCS) + Well servicing (PEB01OCS) + Fuel (PEB01OCS) + Other (PEB01OCS)

(29) EPB54455

Output Reporting Method

- E231, E232

  (Historical monthly oil consumption)

Assignment Parameter

- Header card of "Consumption"

Segment Name

  (PEBOILCS, "Oil Consumption")

- PEB01OCS, "Oil Consumption"

Output Sequence

- E231 Date
- E232 Area code, Date

Condition of Changing Page

- E231 Nothing
- E232 Area code

Supplementary Explanation for Output Item

- FIELD USE TOTAL

  Road maintenance (PEB01OCS) + Well servicing (PEB01OCS) + Fuel (PEB01OCS) + Other (PEB01OCS)

(30) EPB54460

Output Reporting Method

- E233, E234
  (Historical yearly oil consumption)

Assignment Parameter

- Header card of "Consumption"

Segment Name

(PEBOILCS, "Oil Consumption")

- PEB01OCS, "Oil Consumption"

Output Sequence

- E233 Date
- E234 Area code, Date

Condition of Changing Page

- E233 Nothing
- E234 Area code

Supplementary Explanation for Output Item

- FIELD USE TOTAL

  Road maintenance + Well servicing + Fuel + Other
  (PEB01OCS) (PEB01OCS) (PEB01OCS) (PEB01OCS)

(31) EPB54500

Output Reporting Method

- E301, E302
  (Well status report for all wells)

Assignment Parameter

- Header card of "Well Report"
- Independent assignment card
  - "Field Card"

Segment Name

(PEAPRDIN, "Production and Injection")

- PEA01PIN, "Production and Injection"
- PEA02MPR, "Monthly Production"
- PEA03ZPR, "Zonely Production"
- PEA04MIJ, "Monthly Injection"
- PEA05ZIJ, "Zonely Injection"

Master File Name

- Field master

Output Sequence

- E301 Area code, Field code
- E302 Area code, Field code, Reservoir unit code

Condition of Changing Page

- E301 Area code
- E302 Area code, Field code

Supplementary Explanation for Output Item

As for the following headword, the number of strings and wells is output. The output data for each headword are limited to the data having the codes as described in the following table.

Headword	Completion Status Code *1	String Specification Code *1	Current Status Code *1
- NUMBER OF PRODUCING STRING (WELLS)			
- PRODUCING	-	"1" ∿ "4"	"01" ∿ "03"
- SHUT-IN	-	"1" ∿ "4"	"10" ∿ "15"
- NUMBER OF INJECTING STRING (WELLS)			
- INJECTING	-	"5" ∿ "7"	"4"
- SHUT-IN	-	"5" ∿ "7"	"10" ∿ "15"
- NUMBER OF OBSERVATORIES	-	-	"30"
- NUMBER OF WAITING WELLS	-	-	"20" ∿ "23"
- NUMBER OF SUSPENDED WELLS	"2"	-	-
- NUMBER OF ABANDONED WELLS	"3"	-	-

*1 Refer to APPENDIX IV.

(32) EPB54505

Output Reporting Method

- E303, E304
  (Well status report for producer)

Assignment Parameter

- Header card of "Well Report"
- Independent assignment card
  - "Field Card"

Segment Name

(PEAPRDIN, "Production and Injection")
- PEA01PIN, "Production and Injection"
- PEA02MPR, "Monthly Production"
- PEA03ZPR, "Zonely Production"

(PCAWELL, "Well Data")
- PCA01WBL, "Well"
- PCA08GAS, "Gas Lift"

Master File Name

- Field master

Output Sequence

- E303 Area code, Field code
- E304 Area code, Field code, Reservoir unit code

Condition of Changing Page

- E303 Area code
- E304 Area code, Field code

Supplementary Explanation for Output Item

As for the following headword, the number of strings and wells is output. The output data for each headword are limited to the data having the codes as described in the following table.

Headword	String Specification Code *1	Current Status Code *1	
- NUMBER OF PRODUCING STRING (WELLS)			
- NATURAL FLOW	-	"01"	
- SUBMERGIBLE PUMP	"3"	"02"	
- ROD PUMP	"2"	"02"	
- GAS LIFT	"4"	"03"	*2
- GAS LIFT WITH MACARONI	"4"	"03"	*3
- NUMBER OF SHUT-IN STRING (WELLS)			
- ORDINARY STRING	"1"	"10" ∿ "19"	
- SUBMERGIBLE PUMP	"3"	"10" ∿ "19"	
- ROD PUMP	"2"	"10" ∿ "19"	
- GAS LIFT	"4"	"10" ∿ "19"	*2
- GAS LIFT WITH MACARONI	"4"	"10" ∿ "19"	*3

*1 Refer to APPENDIX IV.

*2 Refer to the code of "Macaroni pipe" in "PCA08GAS" through "Well code" of "PEA01PIN".

in case of the code with "2"

*3 Refer to the code of "Macaroni pipe" in "PCA08GAS" through "Well code" of "PEA01PIN"

in case of the code with "1"

(33) EPB54510

Output Reporting Method

- E305, E306
  (Well status report for injector)

Assignment Parameter

- Header card of "Well Report"
- Independent assignment card
  - "Field Card"

Segment Name

(PEAPRDIN, "Production and Injection")

- PEA01PIN, "Production and Injection"
- PEA04MIJ, "Monthly Injection"
- PEA05ZIJ, "Zonely Injection"

Master File Name

- Field master

Output Sequence

- E305 Area code, Field code
- E306 Area code, Field code, Reservoir unit code

Condition of Changing Page

- E305 Area code
- E306 Area code, Field code

Supplemetary Explanation for output Item

As for the following headword, the number of strings and wells is output. The output data for each headword are limited to the data having the codes as described in the following table.

Headword	String Specification Code *1	Current Status Code *1
- NUMBER OF INJECTING STRING (WELLS)		
- DUMP FLOOD WATER INJECTOR	"5"	"4"
- POWERED WATER INJECTOR	"6"	"4"
- GAS INJECTOR		
- NUMBER OF SHUT-IN STRING (WELLS)		
- DUMP FLOOD WATER INJECTOR	"5"	"10" ∿ "19"
- POWERED WATER INJECTOR	"6"	"10" ∿ "19"
- GAS INJECTOR	"7"	"10" ∿ "19"

*1 Refer to APPENDIX IV.

(34) EPB54515

Output Reporting Method

- E307, E308
  (Well status report for shut-in well)

Assignment Parameter

- Header card of "Well Report"
- Independent assignment card
  - "Field Card"

Segment Name

(PEAPRDIN, "Production and Injection")
- PEA01PIN, "Production and Injection"
- PEA02MPR, "Monthly Production"
- PEA03ZPR, "Zonely Production"
- PEA04MIJ, "Monthly Injection"
- PEA05ZIJ, "Zonely Injection"

Master File Name

- Field master

Output Sequence

- E307 Area code, Field code
- E308 Area code, Field code, Reservoir unit code

Supplementary Explanation for Output Item

As for the following headword, the number of strings and wells is output. The output data for each headword are limited to the data having the codes as described in the following table.

Headword	String *1 Specification Code	Current*1 Status Code
- NUMBER OF PRODUCING STRING (WELLS)		
- DUE TO PRODUCTION SCHEDULE	"1" ∿ "4"	"10"
- DUE TO WELL SERVICE	"1" ∿ "4"	"11"
- DUE TO SURFACE REPAIR	"1" ∿ "4"	"12"
- DUE TO LOW PRESSURE	"1" ∿ "4"	"13"
- DUE TO HIGH GOR	"1" ∿ "4"	"14"
- DUE TO HIGH WATER CUT	"1" ∿ "4"	"15"
- NUMBER OF INJECTING STRING (WELLS)		
- DUE TO INJECTION SCHEDULE	"5" ∿ "7"	"10"
- DUE TO WELL SERVICE	"5" ∿ "7"	"11"
- DUE TO SURFACE REPAIR	"5" ∿ "7"	"12"

*1 Refer to APPENDIX IV.

(35) EPB54520

Output Reporting Method

- E309, E310
  (Well status report for waiting well)

Assignment Parameter

- Header card of "Well Report"
- Independent assignment card
  - "Field Card"

Segment Name

(PEAPRDIN, "Production and Injection")
- PEA01PIN, "Production and Injection"
- PEA02MPR, "Monthly Production"
- PEA03ZPR, "Zonely Production"
- PEA04MIJ, "Monthly Injection"
- PEA05ZIJ, "Zonely Injection"

Master File Name

- Field master

Output Sequence

- E309 Area code, Field code
- E310 Area code, Field code, Reservoir unit code

Supplementary Explanation for Output Item

As for the following headword, the number of strings and wells is output. The output data for each headword are limited to the data having the codes as described in the following table.

Headword	String Specification Code *1	Current Status Code *1
- NUMBER OF WAITING PRODUCERS		
- FOR FACILITIES	"1" ∿ "4"	"20"
- FOR WORKOVER	"1" ∿ "4"	"21"
- FOR STIMULATION	"1" ∿ "4"	"22"
- FOR ABANDONMENT	"1" ∿ "4"	"23"
- NUMBER OF WAITING INJECTORS		
- FOR FACILITIES	"5" ∿ "7"	"20"
- FOR WORKOVER	"5" ∿ "7"	"21"
- FOR STIMULATION	"5" ∿ "7"	"22"
- FOR ABANDONMENT	"5" ∿ "7"	"23"

*1 Refer to APPENDIX IV.

(36) BPB54525

Output Reporting Method

- E311 Well status of reservoir unit

Assignment Parameter

- Header card of "Well Report"
- Independent assignment card
  - "Field Card"
  - "Well Card"
  - "Reservoir Unit Card"

Segment Name

(PEAPRDIN, "Production and Injection")

- PEA01PIN, "Production and Injection"
- PEA02MPR, "Monthly Production"
- PEA032PR, "Zonely Production"
- PEA04MIJ, "Monthly Injection"
- PEA05ZIJ, "Zonely Injection"

Master File Name

- Field master

Output Sequence

- Area code
- Field code
- Well code
- String number
- Recompletion sequence notation

Condition of Changing Page

- Area code
- Field code

Supplementary Explanation for Output Item

Refer to "Reservoir unit code" in "PEA03ZPR" or "PEA05ZIJ", and output "Well status" in "PEA02MPR" or "PEA04MIJ" and "Kind of completed zone" in "PEA02MPR" on "PEA04MIJ"

(37) EPB54530

Output Reporting Method

- E312, E313
  (Well status information)

Assignment Parameter

- Header card of "Well Report"
- Independent assignment card
  - "Field Card"

Segment Name

(PEAPRDIN, "Production and Injection")

- PEA01PIN, "Production and Injection"
- PEA02MPR, "Monthly Production"
- PEA03ZPR, "Zonely Production"

Master File Name

- Field master
- Zone master

Output Sequence

- E312 Area code, Field code, Well code, String number, Recompletion sequence notation
- E313 Area code, Field code, Well code, String number, Recompletion sequence notation

Supplementary Explanation for Output Item

- E312

  - Well status

    Output "String specification" in "PEA02MPR" and "Current status" in "PEA02MPR"

  - Date

    Refer to the code of "Current status" in "PEA02MPR"

    in case the code with "Shut-in" output "Date" when the code is changed to "Shut-in"

    in case the code with "Waiting" output "Date" when the code is changed to "Waiting"

    in case the code with "Observatory" output "Date" when the code is changed to "Observatory"

  - Producing months

$$\frac{\left(\text{"Cummulative production days" by wells (PEA02MPR)}\right)}{\left(\text{Number of days of the month}\right)}$$

- E313

  - End date of production

    End "Date" in "PEA02MPR" as production well

  - Producing months

$$\frac{\left(\text{"Cummulative production days" by wells (PEA02MPR)}\right)}{\left(\text{Number of days of the month}\right)}$$