

No. 7



THE REPORT OF DETAILED SYSTEM DESIGN ON THE PETROLEUM EXPLORATION AND  
PRODUCTION DATA BANK SYSTEM DEVELOPMENT PROJECT IN THE REPUBLIC OF INDONESIA  
(VOLUME I)

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ON  
THE PETROLEUM EXPLORATION  
AND  
PRODUCTION DATA BANK SYSTEM DEVELOPMENT PROJECT  
IN  
THE REPUBLIC OF INDONESIA  
(VOLUME I)

AUGUST 1981

JAPAN INTERNATIONAL COOPERATION AGENCY

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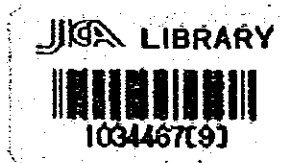
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**THE REPORT OF DETAILED SYSTEM DESIGN  
ON  
THE PETROLEUM EXPLORATION  
AND  
PRODUCTION DATA BANK SYSTEM DEVELOPMENT PROJECT  
IN  
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**(VOLUME II)**



**AUGUST 1981**

**JAPAN INTERNATIONAL COOPERATION AGENCY**

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APPENDIX II METHOD OF ASSIGNMENT



**APPENDIX I**

**OUTPUT REPORT LAYOUT**

**FOR**

**THE PETROLEUM EXPLORATION AND PRODUCTION DATA**

**BANK SYSTEM OF PERTAMINA UNIT EP-II**

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that proper record-keeping is essential for transparency and accountability, particularly in the context of public administration and financial management. The text notes that without reliable records, it becomes difficult to track expenditures, identify inefficiencies, and ensure that funds are being used for their intended purposes.

2. The second part of the document addresses the challenges associated with data collection and analysis. It highlights that gathering comprehensive data from various sources can be a complex and time-consuming process. However, the benefits of having a robust data infrastructure are significant, as it enables decision-makers to base their actions on evidence and insights derived from the data. The document suggests that investing in modern data management systems and training personnel in data analysis techniques can greatly enhance the organization's ability to handle large volumes of information effectively.

3. The third part of the document focuses on the role of technology in streamlining operations and improving efficiency. It discusses how digital tools and automation can reduce manual errors, speed up processes, and provide real-time monitoring of key performance indicators. The text also touches upon the importance of cybersecurity in protecting sensitive data and ensuring the integrity of the information systems. It recommends implementing strong security protocols and regularly updating software to mitigate potential risks.

4. The final part of the document concludes by reiterating the need for a holistic approach to organizational management. It stresses that while technology and data are crucial, they must be supported by a strong culture of collaboration, continuous learning, and ethical leadership. The document encourages organizations to regularly evaluate their performance, seek feedback, and adapt to changing circumstances to ensure long-term success and sustainability.

## INTRODUCTORY REMARKS

This APPENDIX shows the detailed layout, in the form of actual computer output, of three hundred and thirty (330) output reporting methods which are named and listed in Chapter IV of the text. As the detailed layout of the covers for the reports is described in the text book, it is not presented here.

Remarks related to this APPENDIX are made as follows.

1. As for formats of computer output presented here, a special attention should be paid to the followings,

- Report name defined in Chapter 3 and Chapter 4 of the text will be put on the same line as a title and in the columns 1 to 12 for output reports.
- Following description will be put on the line one space below title and at the center of the line for all the output reports.

"PERTAMINA UNIT EP-II"

- Following description will be put at the end line of each execution for all the output reports.

"THIS IS END OF REPORT NAME XXXXXXXX-XXX."

2. Followings are general remarks,

- The headword is represented in a capital letter.



- "DD.MM.YY" marked at right hand of a title represents the execution date of a program and the date instead of "DD.MM.YY" is output as exemplified in the followings,

Example      01.12.81  
                  (DD.MM.YY)

- A0-1, E4, E5, etc., which is shown at the right bottom for each sheet of output layout, is just a remark for programming but it is not for output.

3.      As for A0-5, there are three alternatives for "Kind of map and figure".

First alternative will be applied to the maps in case of topographic map, contract area map, well location map, prospect and lead map, field location map, exploration activity map, areal photographic map, other general map, geological map, tectonic map, facies map, geothermal map, geochemical map, other geological information map, structural contour map, isopach (isolith) map, other geological contour map, production map, isoporosity map, isopermeability map, net oil isopach map, net gas isopach map and other reservoir information map.

Second alternative will be applied to the cross-sections in case of structural cross-section, stratigraphic cross-section, biostratigraphic cross-section and other cross-section.

Third alternative will be applied to the charts/columns in case of stratigraphic column/well section, paleontological distribution chart and other chart.

4. AS for "Completion string" of C0-12, there are three alternatives for "Completion string" which will be applied to three different string groups.

First alternative will be applied to the strings in case of dump flood water injection, powered water injection and gas injection, second applied to the strings in case of sucker rod pump and third applied to the string in case of submersible pump.

5. The output reporting methods of C28, C29, H3, H7, H10, I3 and I5 take the statistics based on a fiscal year which is noted on the cover list of the output report as follows.

1981 in "FISCAL YEAR" is equal to the period between April 1, 1981 and March 31, 1982.

6. There are number with asterisk such as \*1, \*2 instead of headword in the output reports E0-1, E0-2, E3, E6, E7, E8, E15, E16, E27, E40, E53, E66, E102, E105, E106, E108, E111, E112, E116, E122, E128, E134, E311, E312, E313, F4, F14, G10, H3, H4, H8, H9, H10, I1, I2, I3, I4 and I5.

These full descriptions are given at right bottom and these will be output in the cover of the output report.

7. As for E13 to E18, E36 to E42 and E62 to E68, the definitions of high, medium and low pressure gas by areas are as follows.

- Komplek Palembang Selatan

$$40 \text{ (kg/cm}^2\text{)} \leq \text{HP}$$

$$20 \text{ (kg/cm}^2\text{)} \leq \text{MP} < 40 \text{ (kg/cm}^2\text{)}$$

$$0 \text{ (kg/cm}^2\text{)} \leq \text{LP} < 20 \text{ (kg/cm}^2\text{)}$$

- Komplek Palembang Tengah

$$20 \text{ (kg/cm}^2\text{)} \leq \text{HP}$$

$$10 \text{ (kg/cm}^2\text{)} \leq \text{MP} < 20 \text{ (kg/cm}^2\text{)}$$

$$0 \text{ (kg/cm}^2\text{)} \leq \text{LP} < 10 \text{ (kg/cm}^2\text{)}$$

- Musi Klingi

$$40 \text{ (kg/cm}^2\text{)} \leq \text{HP}$$

$$20 \text{ (kg/cm}^2\text{)} \leq \text{MP} < 40 \text{ (kg/cm}^2\text{)}$$

$$0 \text{ (kg/cm}^2\text{)} \leq \text{LP} < 20 \text{ (kg/cm}^2\text{)}$$

- Jambi

$$20 \text{ (kg/cm}^2\text{)} \leq \text{HP}$$

$$10 \text{ (kg/cm}^2\text{)} \leq \text{MP} < 20 \text{ (kg/cm}^2\text{)}$$

$$0 \text{ (kg/cm}^2\text{)} \leq \text{LP} < 10 \text{ (kg/cm}^2\text{)}$$

Note: HP-High pressure gas

MP-Medium pressure gas

LP-Low pressure gas

These definitions will be output in the cover list of the output report.

8. As for G0-1, there are five alternative which will be applied to following five kinds of well test and stimulation.

- 1) Production test
- 2) Injection test
- 3) Subsurface pressure survey
- 4) Production log
- 5) Well stimulation

9. As for G0-2, G0-21, G0-22, G0-23 and G0-24, there are two alternatives by assigning "Station" or "Well". In case of "Station" being assigned, data items and data for station will be output and in case of "Well" being assigned, data items and data for "Well" will be output.

10. As for G0-2, there are four alternatives which will be applied to following four kinds of field laboratory fluid analysis.

- 1) Oil
- 2) Condensate
- 3) Gas
- 4) Water

11. As for H0-2 and H0-21, there are twenty-one (21) alternatives which will be applied to following twenty-one (21) equipments differently.

- |                   |                          |
|-------------------|--------------------------|
| 1) Separator      | 12) Compressor           |
| 2) Vessel tank    | 13) Generator            |
| 3) Absorber       | 14) Fan or blower        |
| 4) Stripper       | 15) Agitator             |
| 5) Filter         | 16) Electric motor       |
| 6) Adsorber       | 17) Ignition engine      |
| 7) Storage tank   | 18) Steam engine         |
| 8) Heat exchanger | 19) Gas turbine          |
| 9) Fired heater   | 20) Steam turbine        |
| 10) Refrigerator  | 21) Fire fighting system |
| 11) Pump          |                          |

12. As for H4, "EQUIPMENT NAME", "SPEC-1", "SPEC-2" and "SPEC-3" are referred to note 1 which lists units of specifications for twenty-one (21) respective kind of equipment. Kind of equipment and the corresponding units will be excerpted from note 1 and output by kind of equipment.

13. As for H5, "KIND OF EQUIPMENT" and asterisks are referred to note 2 which lists main specifications for twenty-one (21) respective kinds of equipment. Kind of equipment and the corresponding main specification will excerpted from note 2 and output by kinds of equipment.

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1 A-Geological Data and Contract Area  
Information

(1)	A0-1	Contract area information .....	AI-2
(2)	A0-11	Original area .....	AI-5
(3)	A0-12	History of relinquishment .....	AI-7
(4)	A0-2	Geological survey report .....	AI-9
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CONTRACT AREA INFORMATION

CONTRACT CODE : XX-999

PROVIDE NAME : XXXXXXXXXXXXXXX

CONTRACT AREA NAME : XXX

CONTRACT DATE : DD, MM, YY

TITLE OF CONTRACT AGREEMENT : XXX

IDENTIFICATION OF AGREEMENT : XXXXXXXXXXXXXXX

KIND OF CONTRACT : XXX

CONTRACTOR NAME : XXX

PERIOD OF CONTRACT : DD, MM, YYYY - DD, MM, YYYY

OPERATOR PERIOD AND NAME : DD, MM, YYYY - DD, MM, YYYY  
DD, MM, YYYY - DD, MM, YYYY

ORIGINAL SIZE OF CONTRACT AREA : 9,999,999.99 [KM2]

CONTRACT AREA INFORMATION

ORIGINAL AREA

TITLE AND IDENT. NO. OF MAPS FOR ORIGINAL AREA UNDER CONTRACT

IDENT. & DRAWING NO. : XXXXXXXXXXXXXXXXXXXX  
 SCALE : 1:9,999,999,999  
 TITLE : XXXXXXXXXXXXXXXXXXXX

IDENT. & DRAWING NO. :  
 SCALE :  
 TITLE :

BOUNDARY POINTS OF ORIGINAL AREA

POINT NO.	POINT NAME	(DEG)	(MIN)	(SEC)	(DEG)	(MIN)	(SEC)
99	XX	99	99	99	999	99	99
99	XX	99	99	99	999	99	99
99	XX	99	99	99	999	99	99

99 XX 99 99 99 999 99 99 [E]

CONTRACT AREA INFORMATION

HISTORY OF RELINQUISHMENT

NO. OF TIMES : 99

RELINQUISHED DATE : DD, MM, YYYY

RELINQUISHED AREA SIZE : 9,999,999.99 [KM2]

RELINQUISHMENT AREA NAME : XXXXXXXXXXXXXXXXXXXX

RATIO TO ORIGINAL SIZE : 999.9 [2]

TITLE AND IDENT. NO. OF MAPS DRAWN RELINQUISHED AREA

IDENT. & DRAWING NO. : XXXXXXXXXXXX-XXXXXX  
SCALE : 1:9,999,999.999  
TITLE : XXXXXXXXXXXXXXXXXXXX

IDENT. & DRAWING NO.  
SCALE  
TITLE

BOUNDARY POINTS OF RELINQUISHED AREA

POINT NO.	POINT NAME	(DEG)	(MIN)	(SEC)	(DEG)	(MIN)	(SEC)
99	XX	99	99	99	99	99	99
99	XX	99	99	99	99	99	99

99 XX 99 99 99 99 99 99



CONTRACT AREA INFORMATION

ORIGINA AREA

TITLE AND IDENT NO OF MAPS FOR ORIGINAL AREA UNDER CONTRACT

IDENT & DRAWING NO

SCALE

TITLE

IDENT & DRAWING NO

SCALE

TITLE

BOUNDARY POINTS OF ORIGINAL AREA

POINT NAME (DEG) (MIN) (SEC) ALTITUDE (DEG) (MIN) (SEC) LONGITUDE

NO. (DEG) (MIN) (SEC) (DEG) (MIN) (SEC)

99 99 99 99 99 99

99 99 99 99 99 99

99 99 99 99 99 99

99 99 99 99 99 99

99 99 99 99 99 99

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99 99 99 99 99 99

99 99 99 99 99 99

CONTRACT AREA INFORMATION

CONTRACT CODE : XX-999

PROVINCE NAME : XXXXXXXXXX

CONTRACT AREA NAME : XXXXXXXXXXXXXXXXXXXXXXXXXX

CONTRACT DATE : DD.MM.YYYY

TITLE OF CONTRACT AGREEMENT : XXX

IDENTIFICATION OF AGREEMENT : XXXXXXXXXXXXXXX

KIND OF CONTRACT : XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

CONTRACTOR NAME : XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

PERIOD OF CONTRACT : DD.MM.YYYY - DD.MM.YYYY

OPERATOR PERIOD AND NAME : DD.MM.YYYY - DD.MM.YYYY XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

DD.MM.YYYY - DD.MM.YYYY XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

ORIGINAL SIZE OF CONTRACT AREA : 9.999.999.99 [KM2]

CONTRACT AREA INFORMATION  
 DD MM YY  
 PAGE 599

NO. OF TIMES 99  
 RELINQUISHED DATE DD MM YYYY  
 RELINQUISHED AREA SIZE 9 999 999 99 [KM2]  
 RELINQUISHMENT AREA NAME XXXXXXXXXXXXXXXXXXXX  
 RATIO TO ORIGINAL SIZE 99.9 [%]  
 TITLE AND IDENT. NO. OF MAPS DRAWN RELINQUISHED AREA  
 IDENT. & DRAWING NO. XXXXXXXXXXXXXXXXXXXX  
 SCALE 1:9 999 999 999  
 TITLE XXXXXXXXXXXXXXXXXXXX

IDENT. & DRAWING NO.  
 SCALE  
 TITLE

BOUNDARY POINTS OF RELINQUISHED AREA  
 POINT POINT  
 NO NAME (DEG) (MIN) (SECT) (DEG) (MIN) (SECT)

POINT NO	POINT NAME	(DEG)	(MIN)	(SECT)	(DEG)	(MIN)	(SECT)
99	XX	99	99	99	99	99	99
99	XX	99	99	99	99	99	99
99	XX	99	99	99	99	99	99

GEOLOGICAL SURVEY REPORT

SURVEY CODE : XXX-999

KIND OF SURVEY : XXXXXXXXXXXXXXXXXXXXXXXXXXXX

AREA NAME : XXXXXXXXXXXXXXXXXXXXXXXXXXXX

SURVEY PERIOD : DD,MM,YYY - DD,MM,YYY

TITLE OF SURVEY REPORT : XX

IDENT. NO. OF SURVEY REPORT : XX

LOCALITY NAME : XX

SURVEY PERSONNEL : XX

COMPANY NAME : XX

PARTY MONTH : 99

TOTAL TRAVERS MEASURED : 99.999.999 [M]

COMPILED AREA SIZE : 9.999.999.99 [KM2]

TOTAL NUMBER OF SHALLOW WELLS : 9.999

TOTAL DRILLED DEPTH : 99.999 [M]

TOTAL COST

RP : 9.999.999.999

US\$ : 99.999.999.99

EXCHANGE RATE [RP/US\$] : 9999.99





GEOLOGICAL ANALYSIS ACTIVITY REPORT

ANALYSIS CODE : XXX-999

KIND OF ANALYSIS : XXX

AREA NAME : XXX

XX

XX

ANALYSIS SUBJECT : XXX

XX

XX

ANALYSIS REPORT

IDENT. NO. : XXX

TITLE : XXX

PREPARED DATE : DD. MM. YYYY

AUTHOR OF REPORT : XXX

COMPANY NAME : XXX

LOCATION OF LABORATORY : XXX

TOTAL COST

RP : 9.999.999.999

USS : 99.999.999.99

EXCHANGE RATE [RP/US\$] : 9999.99

SAMPLE GROUP NO. : 99

SAMPLE IDENTIFICATION : XXXXXXXXXXXXX

KIND OF SAMPLE : XXX

FIELD NAME : XXX

WELL NAME : XXX-999

FORMATION NAME : XXX-999



PROSPECT CODE 999

PROSPECT NAME XXXXXXXXXXXXXXXXXXXX

AREA NAME XXXXXXXXXXXXXXXXXXXX

PROSPECT PERIOD DD MM YYYY DD MM YYYY

ESTIMATED HYDROCARBON IN PLACE AND RESERVOIR PARAMETERS

FORMATION NAME	NUMBER OF LAYER	AREAL CLOSURE	VERTICAL CLOSURE	NET PAY THICKNESS	RESERVOIR ROCK VOLUME	HYDROCARBONS IN PLACE	HYDROCARBONS IN PLACE
XXXXXXXXXXXXXXXXXX	999	99.999	9.999	9.999	999.999	9.999.9	99.999.99
XXXXXXXXXXXXXXXXXX	999	99.999	9.999	9.999	999.999	9.999.9	99.999.99
XXXXXXXXXXXXXXXXXX	999	99.999	9.999	9.999	999.999	9.999.9	99.999.99
XXXXXXXXXXXXXXXXXX	999	99.999	9.999	9.999	999.999	9.999.9	99.999.99
TOTAL							

RECOVERY FACTOR, CHANGE FACTOR AND RECOVERABLE HYDROCARBONS IN PLACE

FORMATION NAME	RECOVERY FACTOR	CHANGE FACTOR	RISK REDUCED	RECOVERABLE HYDROCARBONS IN PLACE	RECOVERABLE HYDROCARBONS IN PLACE
XXXXXXXXXXXXXXXXXX	999	99.999.99	999	99.999.99	XXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXX	999	99.999.99	999	99.999.99	XXXXXXXXXXXXXXXXXXXXXX

PROSPECT INFORMATION

XXXXXXXXXXXXXXXXXX	999	99,999.99	99,999.99	999	99,999.99	99,999.99	99,999.99	XXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXX	999	99,999.99	99,999.99	999	99,999.99	99,999.99	99,999.99	XXXXXXXXXXXXXXXXXX
T O T A L								
XXXXXXXXXXXXXXXXXX	999	999,999.99	999,999.99	999	999,999.99	999,999.99	999,999.99	XXXXXXXXXXXXXXXXXX

WELL NAME : XXX-X999 , XXX-X999 , XXX-X999 , XXX-X999

REPORT REFERENCE

IDENT. NO. TITLE

XXXXXXXXXXXXXXXXXX  
 XXXXXXXXXXXXXXXXXXXX  
 XXXXXXXXXXXXXXXXXXXX  
 XXXXXXXXXXXXXXXXXXXX

MAP REFERENCE

IDENT. & DRAWING NO. TITLE

XXXXXXXXXXXXXXXXXX  
 XXXXXXXXXXXXXXXXXXXX  
 XXXXXXXXXXXXXXXXXXXX  
 XXXXXXXXXXXXXXXXXXXX

MAP AND FIGURE INFORMATION

MAP CODE

X-XX-XXXXXX

KIND OF MAP

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

PROVINCE NAME

XXXXXXXXXXXX

AREA NAME

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

FIELD OR PROJECT NAME

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

PREPARED OR REVISED DATE

DD.MM.YYYY

MAP IDENTIFICATION

IDENTIFICATION

TITLE

XXXXXXXXXX  
XXXXXXXXXX

AUTHOR

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

COMPANY NAME

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

DRAWING NO.

XXXXXX

MICRO FILM NO.

XXXXXXXXXXXXXXXXXXXX

MAP SHEET SIZE

XX

MAP AND FIGURE INFORMATION

(in case of map)

1:9,999,999,999:1

XXXXXXXXXX

CONTOUR INTERVAL

COORDINATE OF MAP LIMIT

LATITUDE: 99 DEG 99 MIN 99 SEC (S) 99 DEG 99 MIN 99 SEC (S)

LONGITUDE: 999 DEG 99 MIN 99 SEC (E) 999 DEG 99 MIN 99 SEC (E)

WELL NAME: XXX-X999 . XXX-X999 . XXX-X999 . XXX-X999 . XXX-X999

FORMATION OR LAYER NAME: XXXXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX

IDENTIFICATION OF REPORT

IDENTIFICATION NO. XXXXXXXXXXXXXXXXXXXX

TITLE XXXXXXXXXXXXXXXXXXXX

STORAGE NO. XXXXXXXXXXXX

MAP AND FIGURE INFORMATION

(In case of cross-section)

LINE NAME

SCALE

NUMBER OF WELLS

WELL NAME

FORMATION OR LAYER NAME

IDENTIFICATION OF REPORT

IDENTIFICATION NO.

TITLE

STORAGE NO.



\*\*\*\* MAP AND FIGURE INFORMATION \*\*\*\*

SCALE : 1:9,999,999.999 (In case of chart)

NUMBER OF WELLS : 999

WELL NAME : XXX-X999

FORMATION NAME : XXXXXXXXXXXX

IDENTIFICATION OF REPORT : XXXXXXXXXXXX

IDENTIFICATION NO. : XXXXXXXXXXXX

TITLE : XXXXXXXXXXXX

STORAGE NO. : XXXXXXXXXXXX

DD.MM.YY

REPORT INFORMATION

REPORT CODE : X-XX-XXXXXX  
 KIND OF REPORT : XXX  
 AREA NAME : XXX  
 FIELD NAME : XXX  
 PREPARED DATE : DD.MM.YYYY

IDENTIFICATION NO. : XXXXXXXXXXXXXXXXXXXXXXX  
 TITLE : XXX  
 AUTHOR : XXX  
 COMPANY NAME : XXX  
 STORAGE NO. : XXXXXXXXXXXXXXX

IDENTIFICATION OF MAPS AND FIGURE  
 IDENT. AND MAP CODE : XXXXXXXXXXXXXXX X-XX-XXXXX  
 SCALE : 1:9,999,999.999 [M]  
 TITLE : 1:9,999,999.999 [V]  
 IDENT. AND MAP CODE : XXXXXXXXXXXXXXX X-XX-XXXXX  
 SCALE : 1:9,999,999.999 [M]  
 TITLE : 1:9,999,999.999 [V]

IDENT. AND MAP CODE : XXXXXXXXXXXXXXX X-XX-XXXXX  
 SCALE : 1:9,999,999.999 [M]  
 TITLE : 1:9,999,999.999 [V]

DD MM YY

LIST OF CONTRACT AREA

CONTRACT PERIOD

AREA SIZE (KHZ)

KIND OF CONTRACT

OPERATOR NAME

CONTRACTOR NAME

ORIGINAL

RELINQ.

PERIOD

PERIOD

CONT. AREA

XX-999 XXXXXXXXXXXXXXXXXXXX 9.999.999 9.999.999 XXXXXXXXXXXXXXXXXXXX DD MM YY DD MM YY

XX-999 XXXXXXXXXXXXXXXXXXXX 9.999.999 9.999.999 XXXXXXXXXXXXXXXXXXXX DD MM YY DD MM YY

XX-999 XXXXXXXXXXXXXXXXXXXX 9.999.999 9.999.999 XXXXXXXXXXXXXXXXXXXX DD MM YY DD MM YY

XXXXXXXXXXXXXXXXXXXXXXXX DD MM YY DD MM YY

DD.MM.YY

WWW

LIST OF RELINQUISHED AREA

CONTRACTOR CODE	CONTRACTOR NAME	CONTRACT AREA NAME	RELINQUISHED DATE	RELINQUISHED AREA NAME	RELINQUISHED RATIO
XX-999	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	DD.MM.YYYY	XXXXXXXXXXXXXXXXXXXX	9.999.999
XX-999	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	DD.MM.YYYY	XXXXXXXXXXXXXXXXXXXX	9.999.999
XX-999	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	DD.MM.YYYY	XXXXXXXXXXXXXXXXXXXX	9.999.999
XX-999	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	DD.MM.YYYY	XXXXXXXXXXXXXXXXXXXX	9.999.999

GEOLOGICAL SURVEY LIST COMPLETED BY YEAR

YEAR	YVYY	LOCALITY	COMPANY	SURVEY PERIOD	TOTAL TRAVERSE	COMPLETED AREA	SKALLOW WELLS	TOTAL DEPTH	SURVEY COST
CODE	NAME	NAME	NAME	DD MM YY	[KM]	[KW2]		[M]	[RUS]
XXX-999	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	00 MM YYYY	99,999,999	99,999,999	9,999	999,999	99,999,999
XXX-999	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	00 MM YYYY	99,999,999	99,999,999	9,999	999,999	99,999,999
XXX-999	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	00 MM YYYY	99,999,999	99,999,999	9,999	999,999	99,999,999
T O T A L									
									EXCHANGE RATE
									9999.99 [R/R/US\$]

GEOLOGICAL ANALYSIS ACTIVITIES LIST COMPLETED BY YEAR

YEAR: YY,YY

ANALYSIS CODE	COMPANY NAME	REPORTED NO. OF SAMPLE	DATE	DD,MM,YY	ANALYSIS COST [US\$]	TITLE OF REPORT
xxx-999	XXXXXXXXXXXXXXXXXXXX	9,999	9,999	9,999	99,999,999.99	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
xxx-999	XXXXXXXXXXXXXXXXXXXX	9,999	9,999	9,999	99,999,999.99	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
xxx-999	XXXXXXXXXXXXXXXXXXXX	9,999	9,999	9,999	99,999,999.99	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
SUB-TOTAL					99,999,999.999	99,999,999.99
xxx-999	XXXXXXXXXXXXXXXXXXXX	9,999	9,999	9,999	99,999,999.99	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
SUB-TOTAL					99,999,999.999	99,999,999.99
G R A N D T O T A L					99,999,999.999	99,999,999.99

EXCHANGE RATE: 9999.99 [TRP/US\$]

EXPLORATION ACTIVITIES SUMMARY COMPLETED BY YEAR										
PAGE-999										
SURVEY CODE	LOCALITY NAME	COMPANY NAME	SURVEY PERIOD	TRaverse (M)	AREA (K2)	COMPLETED SHALLOW	DEPTH	TOTAL SURVEY COST	TRP/000	TRP/US\$
GEOLOGICAL SURVEY										
XXX-999			00 MM.VVVV-00 MM.VVVV	99.999.999	99.999.999	9.999	999.999	989.999	999.999	99.999.999
XXX-999			00 MM.VVVV-00 MM.VVVV	999.999.999	999.999.999	9.999	999.999	999.999	999.999	99.999.999
XXX-999			00 MM.VVVV-00 MM.VVVV	999.999.999	999.999.999	9.999	999.999	999.999	999.999	99.999.999
SUBTOTAL										
EXCHANGE RATE 9999.99 TRP/US\$										
(AS)										

GEOPHYSICAL SURVEY	SURVEY AREA KIND OF GEOPHYSICAL SURVEY	WAVELENGTH	SURVEY PERIOD [FROM] [TO]	COMPANY NAME	TOTAL SURVEY LENGTH [KM]	TOTAL SURVEY COST [RP] [US\$]	SUBAREA NAME FIELD OR PROJECT NAME	WELL NAME
XXX-999	XXX XXXXXXXXXXXXXXXXXXXX	DD MM YYYY	DD MM YYYY	XXXXXXXXXXXXXXXXXXXX	99.999.999.999	99.999.999.999	XXX XXX XXX	XXX-XXXX
XXX-999	XXX XXXXXXXXXXXXXXXXXXXX	DD MM YYYY	DD MM YYYY	XXXXXXXXXXXXXXXXXXXX	99.999.999.999	99.999.999.999	XXX XXX XXX	XXX-XXXX
S U B T O T A L								
EXCHANGE RATE								9999.99 [RP/US\$]



GEO PHYSICAL SURVEY DATA PROCESSING

SURVEY AREA KIND OF GEO PHYSICAL SURVEY	AREA NAME	KIND OF GEO PHYSICAL SURVEY	COMPANY NAME	PERIOD FROM TO	NUMBER OF PROCESSES	TOTAL PROCESSING LENGTH (KV)	TOTAL PROCESSING COST (RP)	SUB AREA NAME, FIELD OR PROSPECT NAME
XXX-999	XXX	XXXXXXXXXXXXXXXXXXXX	DD, MM, YYYY	XXXXXXXXXXXXXXXXXXXX	9999	99,999,999.999	99,999,999.999	XXX,XXX,XXX XXX,XXX,XXX,XXX,XXX,XXX

XXX-999	XXX	XXXXXXXXXXXXXXXXXXXX	DD, MM, YYYY	XXXXXXXXXXXXXXXXXXXX	9999	99,999,999.999	99,999,999.999	XXX,XXX,XXX XXX,XXX,XXX,XXX,XXX,XXX
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XXX-999	XXX	XXXXXXXXXXXXXXXXXXXX	DD, MM, YYYY	XXXXXXXXXXXXXXXXXXXX	9999	99,999,999.999	99,999,999.999	XXX,XXX,XXX XXX,XXX,XXX,XXX,XXX,XXX
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SUB-TOTAL								
							EXCHANGE RATE	9999.99 [RP/US\$]

TOTAL								
							EXCHANGE RATE	9999.99 [RP/US\$]

EXPLORATION 88 JUL 88

WELL CODE 999-999

WELL NAME XXX-999

PROSPECT NAME XXXXXXXXXXXXXXXXXXXXXXXX

OBJECTIVE OF FORMATION

PRIMARY OBJECTIVE XXXXXXXXXXXXX

SECONDARY OBJECTIVE XXXXXXXXXXXXXXXXXXXXXXXX

LOCAL COORDINATE

BASE POINT XXXXXXXXXXXXXXXXXXXXXXXX

99,999,999.99 [M]

99,999,999.99 [M]

MARCATOR COORDINATE

LATITUDE 999.99.99 [S]

LONGITUDE 999.99.99 [E]

OPERATING DATE

SPUD DATE 00.00.00

DATE REACHED TD 00.00.00

RIG RELEASE DATE 00.00.00

TOTAL DEPTH 9,999.9 [M]

COMPLETION STATUS XXXXXXXXXXXXX

TOTAL COST

99,999,999

99,999,999

SUBTOTAL 999,999,999 [RPT 000] 999,999,999 [US\$]

GEOLOGICAL ANALYSIS

ANALYSIS KIND OF ANALYSIS COMPANY NAME

REPORTED NO. OF ANALYSIS COST

DATE SAMPLE [RP]

XXX-999 XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX DD MM YYYY 9 999 9 999 999 999 99

XX DD MM YYYY 9 999 9 999 999 999 99

SUBTOTAL 99 999 999 999 999 999 999 999 999 99

EXCHANGE RATE 9999 99 [RP/US\$]

GRAND TOTAL COST 9 999 999 999 999 999 9 999 999 999 99