

**APPENDIX V**

**INPUT DATA FORMAT**

**FOR**

**THE PETROLEUM EXPLORATION AND PRODUCTION DATA**

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



## INTRODUCTORY REMARKS

This APPENDIX shows the input data format on diskettes. The input data format for data base is described in Paragraph 1 by segments and the input data format for master file described in Paragraph 2 by master files. Input data format for data base is named by segments according to the naming convention in Chapter 3 of the text.

Remarks related to this APPENDIX are made as follows.

1. Items in the formats are hierarchically grouped by classification code which is consisted of first code, second code and third code.
2. Code number with hyphen (ex. 9-) only symbolizes group of data in minor code number.
3. As for the headword "Item Name",
  - "Update-id" is used for the indication of insertion, replacement and deletion of the data and the data for "Update-id" is "I" for insertion, "R" for replacement and "D" for deletion.
  - As for Paragraph 1, [KEY-1], [KEY-2] and [KEY-3] is used as key items for insertion, replacement and deletion of the data and stands for a key item for the root segment, a key item for the second level segment and a key item for the third level segment respectively.

4. The headword "Field Name" being used in coding the application program by using the COBOL Language, is named by abbreviating item name. Among the abbreviations the following items are specially remarked for their convenience.

<u>Abbreviation</u>	<u>Description</u>	<u>Abbreviation</u>	<u>Description</u>
CD	Code	NO	Number
CT	Cost	OB	Objective
DT	Date	PD	Period
DP	Depth	SC	Scale
FG	Flag	SZ	Size
HI	Height	ST	Status
ID	Identification	TL	Title
IV	Interval	TY	Type
KD	Kind	VL	Volume
LN	Length	WT	Weight
NM	Name		

5. The headword "Position" shows the number of diskette and the column number starting data.
6. Regarding the headword "Properties", reference are made to the introductory remarks in APPENDIX III.
7. Regarding the headword "Source Document", report name (ex. a-7) is referred to Attachment I.

## LIST OF CONTENTS

	<u>PAGE</u>
1 Input Data for Data Base .....	AV-1
1 - 1 PAACONTR, "Contract Area" .....	AV-1
1 - 2 PABGLSVY, "Geological Survey" .....	AV-6
1 - 3 PACGLANL, "Geological Analysis" .....	AV-9
1 - 4 PADPROSP, "Resource Prospect" .....	AV-14
1 - 5 PAEGLMAP, "Geological Map and Figure" .....	AV-19
1 - 6 PAFGLREP, "Geological Report" .....	AV-24
1 - 7 PBAGPSVY, "Geophysical Survey" .....	AV-27
1 - 8 PBBGPMAP, "Geophysical Map" .....	AV-47
1 - 9 PBCGPSEC, "Geophysical Seismic Section" .....	AV-50
1 -10 PBDGPREP, "Geophysical Report" .....	AV-53
1 -11 PCAWELL, "Well Data" .....	AV-55
1 -12 PDAPTPVT, "Petrophysical and PVT Analysis Data" .....	AV-95
1 -13 PEAPRDIN, "Production and Injection" .....	AV-99
1 -14 PEBOILCS, "Oil Consumption" .....	AV-103
1 -15 PECGASCS, "Gas Consumption" .....	AV-105
1 -16 PFARESVS, "Reserves Data" .....	AV-108
1 -17 PGAWELTS, "Well Test and Stimulation" .....	AV-117
1 -18 PGBFLUID, "Field Laboratory Fluid Analysis" .....	AV-129
1 -19 PHASTATN, "Station" .....	AV-135
1 -20 PHBEQUIP, "Equipment" .....	AV-142
1 -21 PIAPIPLN, "Pipeline" .....	AV-153

PAGE

2	Input Data for Master File .....	AV-157
2 - 1	EMF1, "Field" (Field Master) .....	AV-157
2 - 2	EMF2, "Facilities Field" (Field Master) .....	AV-158
2 - 3	EMW1, "Well" (Well Master) .....	AV-159
2 - 4	EMZ1, "Reservoir Unit" (Zone Master) .....	AV-161
2 - 5	EMZ2, "Layer" (Zone Master) .....	AV-162
2 - 6	EMC1, "Contractor" (Company Master) .....	AV-163
2 - 7	EMC2, "Operator" (Company Master) .....	AV-164
2 - 8	EMC3, "Company" (Company Master) .....	AV-165
2 - 9	EMC4, "Manufacturer" (Company Master) .....	AV-166

<b>ATTACHMENT I</b>	<b>Data Flow and List of Available Report for Data Source .....</b>	<b>AV-167</b>
---------------------	-------------------------------------------------------------------------	---------------

1 Input Data for Data Base

PAGE

1 - 1 PAACONTR, "Contract Area"

- (1) PAA01, "Contract Area" ..... AV-2
- (2) PAA02, "History of Relinquishment" ..... AV-3
- (3) PAA03, "Points of Relinquished Boundary" ... AV-4
- (4) PAA04, "Points of Original Boundary" ..... AV-5

(1) PMA01, "Contract Area"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)	"PMA01"	a-15
2	Transaction code	TRANS-CD	2	X(5)	Ex. "PS001"	
3	Contract code [KEY-1]	CONTRACT-CD	7	X(5)	Refer to APPENDIX IV	
4	Province code	PROVINCE-CD	12	9(1)*3	Refer to APPENDIX IV	
5	Date of contract	CONTRACT-DT	15	X(6)	Ex. "DDMMYY"	
6	Contract area name	CONTRACT-AREA-NM	21	X(30)		
7-	Agreement	AGREEMENT				
1	Title	AGREE-TL	51	X(100)		
2	Identification No.	AGREE-IDNO	2	X(15)		
8	Contractor code	CONTRACTOR-CD	38	X(3)	Refer to APPENDIX IV	
9-	Operation	OPERATION		*5		
1	Operator code	OPRAT-CD	41	X(3)	Refer to APPENDIX IV	
2	Operation period	OPRAT-PD	44	X(12)	Ex. "DDMMYYDDMMYY"	
10	Period of contract	CONTRACT-PD	116	X(12)	Ex. "DDMMYYDDMMYY"	
11	Map code	MAP-CD	128	X(10)*2	Refer to APPENDIX IV	
12	Original size of contract area	CONTRACT-OSZ	3	9(7)V9(2)	[km <sup>2</sup> ]	
13	Filler	FILLER	29	X(96)		
14	Batch No.	BATCH-NO	125	X(4)		



(2) PAA02, "History-of-Relinquishment"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)	"PAA02"	
2	Transaction code	TRANS-CD	2	X(5)	Ex. "PS001"	
3	Contract code [KEY-1]	CONTRACT-CD	7	X(5)	Refer to APPENDIX IV	
4	No. of times [KEY-2]	NO-TIMES	12	9(2)	Ex. "DDMMYY"	
5	Relinquished date	RELQ-DT	14	X(6)		
6	Relinquished area name	RELQAREA-NM	20	X(20)		
7	Relinquished size of area	RELQAREA-SZ	40	9(7)V9(2)	[km <sup>2</sup> ]	
8	Relinquished map code	RELQMAP-CD	49	X(10)*2	Refer to APPENDIX IV	
9	Filler	FILLER	69	X(56)		
10	Batch No.	BATCH-NO	125	X(4)		

(3) PAA03, "Points of Relinquished Boundary"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)	"PAA03"	a-15
2	Transaction code	TRANS-CD	2	X(5)	Ex. "PS001"	"
3	Contract code	CONTRACT-CD	7	X(5)	Refer to APPENDIX IV	"
4	No. of times	NO-TIMES	12	9(2)	Ex. "DDMMYY"	"
5	Points No.	POINTS-NO	14	9(2)		"
6	Point name	POINT-NM	16	X(2)		"
7-	Mercator coordinate	MERCA-COORD				
1	Latitude (S)	LATITUDE	18	S9(6)	Ex. "99.99.99"	
2	Longitude (E)	LONGITUDE	24	S9(7)	Ex. "999.99.99"	
8	Filler	FILLER	31	X(94)		
9	Batch No.	BATCH-NO	125	X(4)		

(4) PAA04, "Points of Original Boundary"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)		
3	Contract code	CONTRACT-CD	7	X(5)	"PAA04" Ex. "PS001" Refer to APPENDIX IV	a-15
4	Points No.	POINTS-NO	12	9(2)		
5	Point name	POINT-NM	14	X(2)		
6-	Mercator coordinate	MERCA-COORD	16	S9(6)		
1	Latitude (S)	LATITUDE	22	S9(7)	Ex. "99.99.99"	
2	Longitude (E)	LONGITUDE	29	X(96)	Ex. "999.99.99"	
7	Filler	FILLER	29	X(96)		
8	Batch No.	BATCH-NO	125	X(4)		

1 - 2 PABGLSVY, "Geological Survey"

(1) PAB01, "Geological Survey" .....	AV-7
(2) PAB02, "Geological Report and Map Reference" .....	AV-8

(1) PAB01, "Geological Survey"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)	"PAB01"	a-1,2,7
2	Transaction code	TRANS-CD	2	X(5)	Ex. "RMS001"	"
3	Survey code [KEY-I]	SURVEY-CD	7	X(6)	Refer to APPENDIX IV	"
4	Area code	AREA-CD	13	9(2)	Refer to APPENDIX IV	"
5	Report code	REPORT-CD	15	X(10)	Refer to APPENDIX IV	a-7
6	Name of locality surveyed	LOCALITY-SURVEYED-NM	25	X(30)		
7	Survey period	SURVEY-PD	55	X(12)	Ex. "DDMMYYDDMMYY"	a-1,2,7
8	PERTAMINA or contractor	CONTRACTOR-TG	67	9(1)	Refer to APPENDIX IV	"
9	Survey personnel	SURVEY-PERSONNEL	68	X(30)		"
10	Company name	COMPANY-NM	98	X(50)		"
11	Party month	PARTY-MONTH	2	9(2)		"
12	Total travers measured	TRAVERS-MEASURED	22	9(8)	(m)	a-7
13	Approximated geological compiled area size	COMPILED-AREA-SZ	30	9(7)V9(2)	(km <sup>2</sup> )	"
14	Total drilled depth	DRILLED-DP	39	9(5)	(m)	"
15	Total number of shallow wells	SHALLOW-WELLS	44	9(4)		"
16-	Total survey cost	SURVEY-CT				
1	Rp	RP-CT	48	9(10)	(Rp)	
2	US\$	US-CT	58	9(8)V9(2)	(US\$)	
17	Exchange rate of Rp. to US.\$	EX-RATE	68	9(4)V9(2)	(Rp/US\$)	
18	Filler	FILLER	74	X(51)		
19	Batch No.	BATCH-NO	125	X(4)		

(2) PAB02, "Geological Report and Map Reference"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)		
3	Survey code [KEY-1]	SURVEY-CD	7	X(5)	"PAB02" Ex. "RMS001" Refer to APPENDIX IV	a-7
4-	Map, figure and report information	MFR-INT		*10		
1	Type of map, figure and report [KEY-2]	MFR-TY	12	9(1)	Refer to APPENDIX IV	
2	Map, figure and report code [KEY-2]	MFR-CD	13	X(10)	Refer to APPENDIX IV	
5	Filler	FILLER	122	X(3)		
6	Batch No.	BATCH-NO	125	X(4)		

1 - 3 PACGLANL, "Geological Analysis"

(1)	PAC01, "Geological Analysis" .....	AV-10
(2)	PAC02, "Geological Sampling" .....	AV-11
(3)	PAC03, "Kind of Geological Analysis" .....	AV-12
(4)	PAC04, "Geological Report and Figure Reference" .....	AV-13

(1) PACOL, "Geological Analysis"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)		
3	Analysis code [KEY-1]	ANAL-CD	7	X(6)	"PACOL"	a-6,9,10,13
4	Area code	AREA-CD	13	9(2)*3	Refer to APPENDIX IV	a-6,9,13
5	PERTAMINA or contractor	CONTRACTOR-FG	19	9(1)	Refer to APPENDIX IV	"
6	Analysis subject	ANAL-SUBJ	20	9(1)*3	Refer to APPENDIX IV	"
7	Report code	REP-CD	23	X(10)	Refer to APPENDIX IV	"
8	Location of laboratory	LOCATION-LABORATORY	33	X(30)		a-6,9,10
9-	Total analysis cost	ANAL-CT				
1	Rp	RP-CT	63	9(10)	[Rp]	
2	US\$	US-CT	73	9(8)V9(2)	[US\$]	
10	Exchange rate of Rp to US\$	EX-RATE	83	9(4)V9(2)	[Rp/US\$]	
11	Filler	FILLER	89	X(36)		
12	Batch No.	BATCH-NO	125	X(4)		



---(2)---PAC02, "Geological-Sampling"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)	"PAC02"	
3	Analysis code [KEY-1]	ANALYSIS-CD	7	X(6)	Refer to APPENDIX IV	
4	Sample group No. [KEY-2]	SAMPLE-GRP-NO	13	9(2)		
5	Sample identification	SAMPLE-ID	15	X(10)		a-6,9,10,13
6	Field code	FIELD-CD	25	X(3)*5	Refer to APPENDIX IV	"
7	Well code	WELL-CD	40	X(7)*10	Refer to APPENDIX IV	"
8	Formation code	FORMATION-CD	110	9(2)*5	Refer to APPENDIX IV	"
9	Kind of sample	SAMPLE-KD	120	9(1)*4	Refer to APPENDIX IV	"
10	Analysis period	ANAL-PD	124	X(12)	Refer to APPENDIX IV	"
11	Sampling locality	SAMPL-LOCALITY	2	X(50)	Ex. "DDMMYYDDMMYY"	"
12	Filler	FILLER	58	X(67)		
13	Batch No.	BATCH-NO	125	X(4)		

(3) PAC03, "Kind of Geological Analysis"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)	"PAC03"	
3	Analysis code [KEY-1]	ANALYSIS-CD	7	X(6)	Refer to APPENDIX IV	
4	Sample group No. [KEY-2]	SAMPLE-GRP-NO	13	9(2)		
5	Kind of analysis performed [KEY-3]	ANAL-PERF-KD	15	9(2)	Refer to APPENDIX IV	a-6,9,10,13
6	Number of samples	NO-SAMPLES	17	9(3)		
7-	Cost	UNIT-CT				
1	Rp	RP-CT	20	9(10)	[Rp]	
2	US\$	US-CT	30	9(8)V9(2)	[US\$]	
8	Filler	FILLER	40	X(85)		
9	Batch No.	BATCH-NO	125	X(4)		

(4) PAC04, "Geological Report and Figure Reference"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)	"PAC04"	
3	Analysis code	ANALYSIS-CD	7	X(6)	Refer to APPENDIX IV	
4-	Figure and report information	FR-INT		*10		a-6.9,10. 13
1	Type of figure and report [KEY-2]	FR-TY	13	9(1)	Refer to APPENDIX IV	
2	Figure and report code [KEY-2]	FR-CD	14	X(10)	Refer to APPENDIX IV	
5	Filler	FILLER	123	X(2)		
6	Batch No.	BATCH-NO	125	X(4)		

	<u>PAGE</u>
1 - 4 PADPROSP, "Resource Prospect"	
(1) PAD01, "Resource Prospect" .....	AV-15
(2) PAD02, "Prospective Hydrocarbon Information" .....	AV-16
(3) PAD03, "Prospect Report and Map Reference" .....	AV-18

(1) PAD01, "Resource Prospect"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)	"PAD01"	
3	Prospect code [KEY-1]	PROSPECT-CD	7	X(3)	Refer to APPENDIX IV	a-8
4	Prospect name	PROSPECT-NM	10	X(25)		"
5	Well code	WELL-CD	35	X(7)*5	Refer to APPENDIX IV	"
6	Period	PROSPECT-PP	70	X(12)	EX. "DDMMYYDDMMYY"	"
7	Filler	FILLER	82	X(43)		
8	Batch No.	BATCH-NO	125	X(4)		

(2) PAD02, "Prospective Hydrocarbon Information" (1/2)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)	"PAD02"	a-8
2	Transaction code	TRANS-CD	2	X(5)	Refer to APPENDIX IV	"
3	Prospect code [KEY-1]	PROSPECT-CD	7	X(3)	Refer to APPENDIX IV	"
4	Formation code [KEY-2]	FORMATION-CD	10	9(2)	Refer to APPENDIX IV	"
5	Type of trap	TRAP-TY	12	9(1)		"
6	Number of layers	NO-LAYERS	13	9(3)		"
7	Size of areal closure	AREAL-CLOSURE-SZ	16	9(2)V9(3)	(10 <sup>3</sup> acre)	"
8	Height of vertical closure	VERTICAL-CLOSURE-SZ	21	9(4)	[ft]	"
9-	Estimated net pay thickness	THICKNESS	25	9(4)	[ft]	"
1	Gas	THIK-GAS	29	9(4)	[ft]	"
2	Oil	THIK-OIL	29	9(4)	[ft]	"
10-	Estimated reservoir rock volume	RESVROCK-VOL	33	9(3)V9(3)	(10 <sup>3</sup> acre.ft)	"
1	Gas bearing zone	GAS-BEARING-ZN	39	9(3)V9(3)	(10 <sup>3</sup> acre.ft)	"
2	Oil bearing zone	OIL-BEARING-ZN	39	9(3)V9(3)	(10 <sup>3</sup> acre.ft)	"
11-	Index productivity	INDEX-PRODUCT	45	9(4)V9(1)	(10 <sup>3</sup> ft <sup>3</sup> /acre.ft)	a-8
1	G.I.P.	IP-GAS	50	9(4)V9(1)	(10 <sup>6</sup> std/acre.ft)	"
2	O.I.P.	IP-OIL	50	9(4)V9(1)	(10 <sup>6</sup> std/acre.ft)	"
12-	Initial hydrocarbons in place	INIT-HYD-PLACE	55	9(5)V9(2)	(10 <sup>7</sup> st.ft <sup>3</sup> )	"
1	Gas	IH-GAS	62	9(5)V9(2)	(10 <sup>6</sup> stb)	"
2	Oil	IH-OIL	62	9(5)V9(2)	(10 <sup>6</sup> stb)	"
13	Recovery factor	RECOV-FACT	69	9(3)	(%)	"
14-	Recoverable hydrocarbons in place	RECOV-HYD-PLACE	72	9(5)V9(2)	(10 <sup>9</sup> st.ft <sup>3</sup> )	"
1	Gas	RH-GAS	79	9(5)V9(2)	(10 <sup>6</sup> stb)	"
2	Oil	RH-OIL	79	9(5)V9(2)	(10 <sup>6</sup> stb)	"
15	Chance factor	CHANCE-FACT	86	9(3)	(%)	"

(2) P1002, "Prospective Hydrocarbon Information" (2/2)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
16-	Risk reduced recoverable hydrocarbons in place	RR-RECOV-HYD-PLACE				a-8
1	Gas	RR-GAS	89	9 (5) V9(2)	(10 <sup>9</sup> st.ft)	
2	Oil	RR-OIL	96	9 (5) V9(2)	(10 <sup>6</sup> scb)	
17	Filler	FILLER	103	X(22)		
18	Batch	BATCH-NO	125	X(4)		

(3) PAD03, "Prospect Report and Map Reference"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)		
3	Prospect code [KEY-1]	PROSPECT-CD	7	X(3)	"PAD03" Refer to APPENDIX IV	a-8
4-	Map and report information	MR-INF		*10		"
1	Type of map and report [KEY-2]	MR-TY	10	9(1)	Refer to APPENDIX IV	
2	Map and report code [KEY-2]	MR-CD	11	X(10)	Refer to APPENDIX IV	
5	Filler	FILLER	120	X(5)		
6	Batch No.	BATCH-NO	125	X(4)		



1 - 5 PAEGLMAP, "Geological Map and Figure"

(1)	PAE01, "Geological Map and Figure" .....	AV-20
(2)	PAE02, "Well Reference" .....	AV-22
(3)	PAE03, "Formation and Layer Reference" .....	AV-23

(1) PAB01, "Geological Map and Figure" (1/2)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)		
3	Map code	MAP-CD	7	X(10)	"PAB01"	
4	Province code	PROVINCE-CD	17	9(1)*3	Refer to APPENDIX IV	
5	Area code	AREA-CD	20	9(2)*3	Refer to APPENDIX IV	
6	Field code	FIELD-CD	26	X(3)*3	Refer to APPENDIX IV	
7	Prepared or revised date	PREP-REVISED-DT	35	X(6)	Ex. "DDMMYY"	
8-	Map identification	MAP-ID				
1	Title	MAP-TL	41	X(100)		
2	Identification	MAP-IDNO	13	X(11)		
9	Author	MAP-AUTHOR	24	X(30)		
10	Company name	MAP-COMPANY-NM	54	X(50)		
11	Drawing number	MAP-DRAW-NO	104	X(7)		
12	Micro-film number	MAP-MCF-NO	111	X(20)		
13	Map sheet size	MAP-SHEET-SZ	3	X(2)		
14	Storage number	MAP-STORAGE-NO	5	X(10)		
15	Report code	MAP-REP-CD	15	X(20)	Refer to APPENDIX IV	
16	Scale	MAP-SC	25	9(10)		
17	Contour interval	MAP-CONTOUR-IV	35	X(10)	Ex. "100 FT"	
18-	Coordinate of map limit	MAP-LIMIT-COORD				
1	Latitude (S)	LATITUDE	45	S9(6)*2		
2	Longitude (E)	LONGITUDE	57	S9(7)*2		
	Followings are in case of cross-section					
19	Line name	LINE-NM	3	X(20)		

(1) PNE01, "Geological Map and Figure" (2/2)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
20-	Scale	CROSS-SC	3	9 (10)		
1	Horizontal scale	CROS-HORI-SC	45	9 (10)		
2	Vertical scale	CROS-VERT-SC	55	9 (10)		
21	Number of well	NO-WELLS	65	9 (3)		
22	Filler	FILLER	68	X (3)		
	Following are in case of chart					
23-	Scale	CHART-SC				
1	Horizontal scale	CHART-HORI-SC	25	9 (10)		
2	Vertical scale	CHART-VERT-SC	35	9 (10)		
24	Number of wells	NO-WELLS	45	9 (3)		
25	Filler	FILLER	48	X (23)		
26	Filler	FILLER	71	X (54)		
27	Batch No.	BATCH-NO	125	X (4)		

(2) PAE02, "Well Reference"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)		
3	Map code	MAP-CD	7	X(10)	"PAE02" Refer to APPENDIX IV	
4-	Well information	WELL-INF		*10		
1	Well code	WELL-CD	17	X(7)	Refer to APPENDIX IV	
5	Filler	FILLER	87	X(38)		
6	Batch No.	BATCH-NO	125	X(4)		

(3) PAE03, "Formation and Layer Reference"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)		
3	Map code	MAP-CD	7	X(10)	"PAE03"	
4-	Formation and layer information	FORLAY-INF	10	*10	Refer to APPENDIX IV	
1	Formation code	FORMATION-CD	17	9(2)	Refer to APPENDIX IV	
2	Field code	FIELD-CD	19	X(3)	Refer to APPENDIX IV	
3	Layer code	LAYER-CD	22	X(3)	Refer to APPENDIX IV	
5	Filler	FILLER	97	X(28)	Refer to APPENDIX IV	
6	Batch No.	BATCH-NO	125	X(4)		

1 - 6 PAFGLREP, "Geological Report"

(1) PAF01, "Geological Report" ..... AV-25  
(2) PAF02, "Geological Map and Figure  
Reference" ..... AV-26

(1) PAF01, "Geological Report"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)	"PAF01"	a-1, 15
2	Transaction code	TRANS-CD	2	X(S)	Refer to APPENDIX IV	"
3	Report code [KEY-1]	REPORT-CD	7	X(10)	Refer to APPENDIX IV	"
4	Area code	AREA-CD	17	9(2)*3	Refer to APPENDIX IV	"
5	Field code	FIELD-CD	23	X(3)*5	Refer to APPENDIX IV	"
6	Prepared date	PRPP-DT	38	X(6)	Ex. "DDMMYY"	"
7	Identification of report	REP-ID				"
1	Title	REP-TL	44	X(100)		"
2	Identification number	REP-IDNO	2	X(20)		"
8	Author	REP-AUTHOR	36	X(30)		"
9	Company name	REP-COMPANY-NM	66	X(50)		"
10	Storage number	REP-STORAGE-NO	116	X(10)		"
11	Filler	FILLER	126	X(127)		"
12	Batch No.	BATCH-NO	3	X(4)		"

(2) PAF02, "Geological Map and Figure Reference"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)		
3	Report code	REPORT-CD [KEY-1]	7	X(10)	Refer to APPENDIX IV	
4	Map and figure code	MAP-FIG-CD [KEY-2]	17	X(10)*10	Refer to APPENDIX IV	
5	Filler	FILLER	117	X(8)		
6	Batch No.	BATCH-NO	125	X(4)		a-1, 15



1 - 7 PBAGPSVY, "Geophysical Survey"

(1)	PBA01, "Geophysical Survey" .....	AV-28
(2)	PBA02, "Field Operation" .....	AV-29
(3)	PBA03, "Location Map and Report Reference" .....	AV-33
(4)	PBA04, "Field Operation Cost" .....	AV-34
(5)	PBA05, "Data Processing" .....	AV-35
(6)	PBA06, "Line Number" .....	AV-37
(7)	PBA07, "Section and Report Reference" .....	AV-38
(8)	PBA08, "Data Processing Cost" .....	AV-39
(9)	PBA09, "Interpretation" .....	AV-40
(10)	PBA10, "Line Number" .....	AV-41
(11)	PBA11, "Map and Report Reference" .....	AV-42
(12)	PBA12, "Objective of Special Study" .....	AV-43
(13)	PBA13, "Well Velocity Survey" .....	AV-44
(14)	PBA14, "Well Velocity Survey Report Reference" .....	AV-45
(15)	PBA15, "Field or Prospect Reference" .....	AV-46

(1) PBA01, "Geophysical Survey"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)	"PBA01"	b-1,2,3,4,5
2	Transaction code	TRANS-CD	2	X(5)	Refer to APPENDIX IV	"
3	Survey code [KEY-1]	SURVEY-CD	7	X(6)	Ex. "SML001"	"
4	Main area code	MAIN-AREA-CD	13	9(2)	Refer to APPENDIX IV	"
5	Area code	AREA-CD	15	9(2)*3	Refer to APPENDIX IV	"
6	Well code	WELL-CD	21	X(7)	Refer to APPENDIX IV	b-4
7	Period for survey	SURVEY-PD	28	X(12)	Refer to APPENDIX IV	b-1,2,3,4,5
8	Survey name	SURVEY-NM	40	X(100)	Ex. "DDMMYYDDMMYY"	"
9	Filler	FILLER	2	X(113)		
10	Batch No.	BATCH-NO	125	X(4)		

(2) PBA02, "Field Operation" (1/4)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)	"PBA02"	
2	Transaction code	TRANS-CD	2	X(5)	Refer to APPENDIX IV	b-1,2,3,4,5
3	Survey code [KEY-1]	SURVEY-CD	7	X(6)	Ex. "DDMMYYDDMMYY"	b-1,2,3
4	Period for field operation	FLDOPRAT-PD	13	X(12)		
5-	Contract	CONTRACT				
1	Date	CONTRACT-DT	25	X(6)	Ex. "DDMMYY"	
2	Contract number	CONTRACT-NO	31	X(20)		
6	Operator code	OPRAT-CD	51	X(3)	Refer to APPENDIX IV	
7	Company code	COMPANY-CD	54	X(2)	Conducted company	
8-	Magnetic tape	MAGNE-TAPE			Refer to APPENDIX IV	b-1,2,3
1	Tape number & supporting data	TAPE-NO	56	X(50)		
2	Type of magnetic tape	TAPE-TY	106	X(20)		
3	Quality	TAPE-QUAL	126	9(3)*3	{ } good fair, poor	
4	Storage place	STORAGE-PLACE	7	X(50)		
9	Site description	SITE-DES	57	9(2)	Refer to APPENDIX IV	
10	Total length recorded	RECORDED-LN	59	9(7)V9(3)	[km]	b-1,2,3
11	Total stations recorded	RECORDED-STATION	69	9(8)		"
12	Total line cutting	LINE-CUTTING	77	9(7)V9(3)	[km]	"
13	Total bridging	BRIDGING	87	9(5)V9(3)	[km]	"
14	Total land survey	SURVEY-LAND	95	9(7)V9(3)	[km]	"
15-	Helicopter	HELICOPTER				"
1	Total flying hours	FLY-HOURS	105	9(4)V9(2)	[hours]	
2	No. of heliped	NO-HELIP	111	9(2)		
3	Name of helibase station	HELIBASE-NM	113	X(30)		
4	Type of helicopter	HELICOPTER-TY	15	X(20)		

(2) PBA02, "Field Operation" (2/4)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
16-	Total fuel	TOTAL-FUEL	3	9(7)V9(1)	[&]	b-1,2,3
1	Gasoline	GASOLINE	35	9(7)V9(1)	[&]	
2	Diesel oil	DIESEL-OIL	43	9(7)V9(1)	[&]	
3	Kerosene	KEROSENE	51	9(7)V9(1)	[&]	
4	Aviation turbine fuel	AV-TURBINE-FUEL	59	9(7)V9(1)	[&]	
5	Lubricant	LUBRICANT	67	9(7)V9(1)	[&]	
6	Grease	GREASE	75	9(7)V9(1)	[kg]	
17-	Average manpower	AV-MANPOWER				
1	Expatriate	EXPATRIATE	83	9(2)		
2	Local staff	LOCAL-STAFF	85	9(1)		
3	Labor	LABOR	86	9(4)		
18-	Total explosive	EXPLOSIVE				b-1
1	Primer	PRIMER	90	9(7)	[lbs]	
2	Detonator	DETONATOR	97	9(7)	[pcs]	
3	Main charge	MAIN-CHARGE	104	9(7)	[lbs]	
19-	Drilling	DRILLING				b-1
1	Total holes drilled	TOTAL-HOLES	111	9(7)		
2	Total depth drilled	TOTAL-DP	118	9(9)	[m]	
20-	Survey method of common	SURVY-METH				b-1,2,3
1	Land, ship or air	LSA-FG	127	9(1)	Refer to APPENDIX IV	
2	Line interval	LINE-IV	128	X(15)	Ex. "2x4 km"	
3	Recording system	REC-SYS	4	15	9(1)	Refer to APPENDIX IV
4	Name of recording instrument	REC-INST-NM	16	X(50)		
5	Distance between stations	DIST-STATION	66	9(5)		
6	Positioning method	POST-METH	71	X(40)	[m]	

(2) PMA02, "Field Operation" (3/4)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
21-	In case of seismic survey	SEIS-SURVEY				b-1
1	Recording filter	REC-FILTER	4	111 X(15)	Ex. "12-128 Hz"	
2	Sampling rate	SAMPLING-RATE		126 9(2)	[msec]	
3	Name of detector	DETECTOR-NM		128 X(50)		
4	Length	SURVEY-LN	5	50 9(5)	[m]	
5	Offset	OFFSET		55 9(4)	[m]	
6	Group interval	GROUP-IV		59 9(4)	[m]	
7	Geophone interval	GEOPHONE-IV		63 9(3)	[m]	
8	No. of groups	NO-GROUPS		66 9(3)		
9	No. of geophone per group	NO-GEOPRO		69 9(3)		
10	Source of energy	ENERGY-SOU		72 X(40)		
11	No. of holes per shot	NO-HOLPSHOT		112 9(2)		
12	Charge per hole	CHARGE-FHOLE		114 X(15)	Ex. "10 & 15 lbs"	
13	Hole's separation	HOLE-SEP	6	1 9(2)	[m]	
14	Average charge depth	CHARGE-DP		3 9(2)	[m]	
15	Spread pattern	SPREAD-PAT		5 9(2)	Refer to APPENDIX IV	
16	No. of fold for recording	NO-FOLD-REC		7 9(4)*2	[9]	
17	Field test date	FLD-TEST-DT		15 X(12)	Ex. "DDMMYYDDMMYY"	
18	Field test location	FLD-TEST-LOC		27 X(40)		
19	Filler	FILLER		67 X(87)		
22-	In case of magnetic survey	MAGNE-SURVEY				b-2
1	Approximate surveyed area size	SURVEY-AREA-SZ	4	111 9(6)V9(3)	[km <sup>2</sup> ]	
2	Flight high	FLIGHT-HI		120 9(5)	[m]	
3	Sample rate	SAMPLE-RATE		125 X(15)		
4-	Magnetometer	MAGNETMETER		*2		
1	Name	MAGNE-NM	5	12 X(50)		
2	Accuracy	MAGNE-ACCUR		62 X(50)		
5	Filler	FILLER	6	84 X(70)		

(2) PBA02, "Field Operation" (4/4)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
23-	In case of gravity survey	GRAV-SURVEY	4	9(6)V9(3)		
1	Approximate surveyed area size	SURVEY-AREA-SZ	111	X(50)	[km <sup>2</sup> ]	
2	Name of gravimeter	GRAV-NM	120	X(50)		
3	Accuracy of gravimeter	GRAV-ACCUR	42	X(50)		
4	No. of samples	NO-SAMPLES	92	X(40)		
5	Description	DESCRIPT	4	X(150)		
24	Filler	FILLER	26	X(99)		
25	Batch No.	BATCH-NO	125	X(4)		

(3) PAB03, "Location Map and Report Reference"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)	"PAB03" Refer to APPENDIX IV	b-1,2,3 4,5 "
2	Transaction code	TRANS-CD	2	X(5)		
3	Survey code	SURVEY-CD	7	X(6)		
4-	Map, section and report information	MSR-INT		*10		
1	Type of map, section and report	MSR-TY	13	9(1)	Refer to APPENDIX IV	
2	Map report code	MR-CD	14	X(10)	Refer to APPENDIX IV	
5	Filler	FILLER	123	X(2)		
6	Batch No.	BATCH-NO	125	X(4)		

(4) PBA04, "Field Operation Cost"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)	"PBA04"	b-1,2,3
3	Survey code [KEY-1]	SURVY-CD	7	X(6)	Refer to APPENDIX IV	4,5
4	Date [KEY-3]	DT	13	X(2)	EX. "XY"	
5	Length recorded per year	SURVY-LN	15	9(6)V9(3)	[Km]	b-1,2,3
6	No. of stations per year	NO-STATIONS	24	9(7)		
7-	Operation cost per year	OPRAT-CT	31	9(10)V9(2)	[Rp]	
1	Rp	OP-RP-CT	43	9(7)V9(3)	[US\$]	
2	US\$	OP-US-CT				
8-	Manpower cost for expatriate per year	MANPOW-CT-EXP	53	9(10)V9(2)	[Rp]	
1	Rp	MPE-RP-CT	65	9(7)V9(2)	[US\$]	
2	US\$	MPE-US-CT				
9-	Manpower cost for local staff per year	MANPOW-CT-LOCST	74	9(10)V9(2)	[Rp]	
1	Rp	MPS-RP-CT	86	9(7)V9(2)	[US\$]	
2	US\$	MPS-US-CT				
10-	Manpower cost for labor per year	MANPOW-CT-LAB	95	9(10)V9(2)	[Rp]	
1	Rp	MPL-RP-CT	107	9(7)V9(2)	[US\$]	
2	US\$	MPL-US-CT				
11	Exchange rate	EX-RATE	116	9(4)V9(2)	[Rp/US\$]	
12	Filler	FILLER	122	X(3)		
13	Batch No.	BATCH-NO	125	X(4)		



(5) PBA05, "Data Processing" (1/2)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)	"PBA05"	b-1,2,3
2	Transaction code	TRANS-CD	2	X(5)	Refer to APPENDIX IV	4,5
3	Survey code	SURVEY-CD	7	X(6)		
4	No. of times	NO-TIMES	13	9(1)	Ex. "DDMMYYDDMMYY"	b-1,2,3
5	Period	PROC-PP	14	X(6)X(6)	Ex. "DDMMYY"	
6-	Order document	ORD-DOCUM	26	X(6)		
1	Data	ORD-DT	32	X(20)		
2	Identification	ORD-ID	52	X(3)	Refer to APPENDIX IV	
7	Operator code	OPRAT-CD			Conducted company	
8	Company code	COMPANY-CD	55	X(2)	Refer to APPENDIX IV	b-1,2,3
9-	Magnetic tape	MAGNE-TAPE	57	X(50)		
1	Tape number & supporting data	TAPE-NO	107	X(20)		
2	Type of magnetic tape	TAPE-TX	127	9(3)*3	(N)	
3	Quality	TAPE-QUAL	2	X(50)	In case of seismic survey	b-1
4	Storage place	STORAGE-PLACE				
10-	Processing method	PROC-METH	58	9(4)*2	(N)	
1	No. of fold for recording	NO-FOLD-REC	66	9(4)*2	(N)	
2	No. of fold for processing	NO-FOLD-PROC	74	9(2)	[msec]	
3	Sampling rate for processing	SAMPL-RATE	76	9(1)*4	Refer to APPENDIX IV	
4	Kind of section	SEC-KD	80	9(1)	Refer to APPENDIX IV	
5	Application of deconvolution	APPLIC-DEC	81	X(50)		
6	Additional processing sequence	ADD-PROC-SEQ	3	X(62)		
7	Filler	FILLER			In case of magnetic survey	b-2
11-	Processing method	PROC-METH	58	X(15)		
1	Sampling rate for processing	SAMPLING-RATE	73	9(2)	Ex. "yy"	
2	I.C.R.F used for correction	CORR-DT	75	X(100)		
3	Filtration	FILTRATION-MS	47	X(18)		
4	Filler	FILLER				

(5) PDA05, "Data Processing" (2/2)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
12-1	Processing method	PROC-METH	2	58	In case of gravity survey	b-3
13	Rock density	ROCK-DENS	3	93		
14	Filtration	FILTRATION-GS	65	93		
	Filler	FILLER	125	93		
	Batch No.	BATCH-NO		93		

(6) PBA06, "Line-Number"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)		
3	Survey code	SURVEY-CD	7	X(6)	"PBA06" Refer to APPENDIX IV	b-1,2,3, 4,5
4	No. of times	NO-TIMES	13	9(1)		
5	Identification of line No.	ID-LINO	14	9(2)		
6	Line number and station number	LINO-STNO	16	X(100)		b-1,2,3
7	Filler	FILLER	116	X(9)		
8	Batch No.	BATCH-NO	125	X(4)		

(7) PBA07, "Section and Report Reference"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)	"PBA07"	
3	Survey code	SURVEY-CD	7	X(6)	Refer to APPENDIX IV	b-1,2,3,4,5
4	No. of times	NO-TIMES	13	9(1)		
5-	Map, section and report information	MSR-INF		*10		
1	Type of map, section and report	MSR-TY	14	9(1)	Refer to APPENDIX IV	
2	Map and report code	MR-CD	15	X(10)	Refer to APPENDIX IV	
6	Filler	FILLER	124	X(1)		
7	Batch No.	BATCH-NO	125	X(4)		

(8) PBA08, "Data Processing Cost"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)	"PBA08"	b-1,2,3
2	Transaction code	TRANS-CD	2	X(5)	Refer to APPENDIX IV	4,5
3	Survey code	SURVEY-CD	7	X(6)		
4	No. of times	NO-TIMES	13	9(1)		
5	Date	DT	14	X(2)	Ex. "IX"	b-1,2,3
6	Processed length per year	PROC-LN	16	9(6)V9(3)	[xm]	
7	No. of stations processed per year	NO-STATIONS	25	9(7)		
8-	Processing cost per year	PROC-CT	32	9(10)V9(2)	[Rp]	
1	Rp	RP-CT	44	9(7)V9(2)	[US\$]	
2	US\$	US-CT	53	9(4)V9(2)	[Rp/US\$]	
3	Exchange rate	EX-RATE	59	X(66)		
9	Filler	FILLER	125	X(4)		
10	Batch No.	BATCH-NO				

(9) PBA09, "Interpretation"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)	"PBA09"	b-1,2,3,4,5
2	Transaction code	TRANS-CD	2	X(5)	Refer to APPENDIX IV	b-1,2,3,5
3	Survey code	SURVEY-CD	7	X(6)		
4	No. of times	NO-TIMES	13	9(1)		
5	Period	INT-PD	14	X(6)X(6)	Ex. "DDMMYYDDMMYY"	
6-	Order document	ORD-DOCUM	26	X(6)	Ex. "DDMMYY"	
1	Date	ORD-DT	32	X(20)		
2	Identification	ORD-ID	52	X(3)	Refer to APPENDIX IV	b-1,2,3,5
7	Operator code	OPRAT-CD	55	X(30)	Conducted company	
8	Author	AUTHOR	85	X(2)*2	Refer to APPENDIX IV	
9	Company code	COMPANY-CD	89	9(7)V9(3)	[km]	b-1,2,3
10	Total length interpreted	INT-LN	99	9(8)		
11	Total stations interpreted	INT-STATION	107	9(1)		
12	No. of times for processing	NO-TIMES-PROC				
13-	Total interpretation cost	INT-CT				
1	Rp	RP-CT	108	9(9)V9(2)	[Rp]	
2	US\$	US-CT	119	9(6)V9(2)	[US\$]	
3	Exchange rate	EX-RATE	127	9(4)V9(2)	[Rp/US\$]	
14	Filler	FILLER	2	X(120)		
15	Batch No.	BATCH-NO	125	X(4)		

(10) PBAL0, "Line Number"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)	"PBAL0"	
3	Survey code	SURVEY-CD	7	X(6)	Refer to APPENDIX IV	b-1-2,3,4,5
4	No. of times	NO-TIMES	13	9(1)		
5	Identification of line No.	ID-LINO	14	9(2)		
6	Used survey code	USED-SURVEY-CD	16	X(6)	Refer to APPENDIX IV	b-5
7	Line number and station number	LINO-STNO	22	X(100)		
8	Filler	FILLER	122	X(3)		
9	Batch No.	BATCH-NO	125	X(4)		

(11) PBALL, "Map and Report Reference"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)	"PBALL"	
3	Survey code [KEY-1]	SURVEY-CD	7	X(6)	Refer to APPENDIX IV	b-1,2,3, 4,5
4	No. of times	NO-TIMES	13	9(1)		
5-	Map, section and report information	MSR-INF		*10		
1	Type of map, section and report [KEY-3]	MSR-TY	14	9(1)	Refer to APPENDIX IV	
2	Map and report code [KEY-3]	MR-CD	15	X(10)	Refer to APPENDIX IV	
6	Filler	FILLER	124	X(1)		
7	Batch No.	BATCH-NO	125	X(4)		



(12) PBA12. "Objective of Special Study"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)	"PBA12"	
3	Survey code [KEY-1]	SURVEY-CD	7	X(6)	Refer to APPENDIX IV	b-1,2,3,4,5
4	Objective of special study	SPSTUD-OB	13	X(100) X(100)		
5	Filler	FILLER	2	85 X(40)		
5	Batch No.	BATCH-NO	125	X(4)		

(13) PBA13, "Well Velocity Survey"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)	"PBA13"	
3	Survey code	SURVEY-CD [KEY-1]	7	X(6)	Refer to APPENDIX IV	b-1,2,3,4,5
4-	Contract	CONTRACT				
1	Date	CONT-DT	13	X(6)	EX. "DEMYY"	
2	Contract number	CONT-NO	19	X(20)		
5	Operator code	OPRAT-CD	39	X(3)	Refer to APPENDIX IV	
6	Company code	COMPANY-CD	42	X(2)	Conducted company	b-4
7	Well location	WELL-LOC	44	X(25)*2	Refer to APPENDIX IV	"
8-	Magnetic tape	MAGNE-TAPE				"
1	Tape number & supporting date	TAPE-NO	94	X(50)		
2	Type of magnetic tape	TAPE-TY	16	X(20)		
3	Quality	TAPE-QUAL	36	9(3)*3	[%]	
4	Storage place	STORAGE-PLACE	45	X(50)		
9	Datum level	DATUM-LV	95	X(20)		b-4
10	Source or energy	SOURCE-ENERGY	115	X(40)		"
11	Total shots	TOTAL-SHOTS	27	9(3)		"
12	Initial depth surveyed	INT-SURVEY-DP	30	9(3)		"
13	Total depth surveyed	SURVEYED-DP	33	9(5)		"
14	Formation code	FORMATION-CD	38	9(2)	Refer to APPENDIX IV	"
15	Synthetic seismogram	SYNTH-SHISM	40	9(1)	Refer to APPENDIX IV	"
16-	Total survey cost					
1	Rp	RP-CT	41	9(10)V9(2)	[Rp]	
2	US\$	US-CT	53	9(7)V9(2)	[US\$]	
3	Exchange rate	EX-RATE	62	9(4)V9(2)	[Rp/US\$]	
17	Filler	FILLER	68	X(57)		
18	Batch No.	BATCH-NO	125	X(4)		

(14) PSAL4, "Well Velocity Survey Report Reference"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)	"PSAL4"	
3	Survey code [KEY-1]	SURVEY-CD	7	X(6)	Refer to APPENDIX IV	b-1,2,3,4,5
4-	Map, section and report information	MSR-INF		*10		
1	Type of map section and report [KEY-3]	MSR-TY	13	9(1)	Refer to APPENDIX IV	
2	Map and report code [KEY-3]	MR-CD-	14	X(10)	Refer to APPENDIX IV	
5	Filler	FILLER	123	X(2)		
6	Batch No.	BATCH-NO	125	X(4)		

(15) PBALS, "Field or Prospect Reference"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)	"PBALS"	b-1,2,3,4,5
2	Transaction code	TRANS-CD	2	X(5)		
3	Survey code	SURVEY-CD [KEY-1]	7	X(6)		
4	Field code	FIELD-CD [KEY-2]	13	X(3)*30		
5	Filler	FILLER	103	X(22)		
6	Batch No.	BATCH-NO	125	X(4)		

1 - 8 PBBGPMAP, "Geophysical Map"

(1) PBB01, "Geophysical Map" ..... AV-48  
(2) PBB02, "Section Reference" ..... AV-49

(1) PSB01, "Geophysical Map"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)	"PSB01"	
2	Transaction code	TRANS-CD	2	X(5)	Refer to APPENDIX IV	
3	Map code [KEY-1]	MAP-CD	7	X(10)		
4	Field code	FIELD-CD	17	X(3)*3		b-1,2,3,
5	Title	MAP-TL	26	X(100)		5
6	Date	MAP-DT	126	X(6)	EX. "DDMMYY"	"
7	Identification	MAP-IDNO	4	X(11)		
8	Drawing number	MAP-DRAW-NO	15	X(7)		
9	Storage number	MAP-STORAGE-NO	22	X(10)		
10	Scale	MAP-SC	32	9(7)	EX. "1000000" (1:1000000)	b-1,2,3,
11	Micro-film number	MAP-MCF-NO	39	X(20)		5
12	Contour interval	MAP-CONTOUR-IV	59	X(15)		b-1,2,3,
13	Author	MAP-AUTHOR	74	X(30)		5
14	Company code	MAP-COMPANY-CD	104	X(2)	Refer to APPENDIX IV	"
15	Report code	MAP-REP-CD	106	X(10)	Refer to APPENDIX IV	"
16	In case of interpretation map (seismic survey, special study) Migrated or unmigrated	MIG-FC	116	9(1)	Refer to APPENDIX IV	b-1,5
17-	Horizon name	HORI-NM				
1	Horizon code	HORI-CD	117	9(2)*2	Refer to APPENDIX IV	
2-	Formation	FORMATION		*4		
1	Geological identification marker	GEI-ID-MARK	121	9(2)	Refer to APPENDIX IV	
2	Formation code	FORMATION-CD	123	9(2)	Refer to APPENDIX IV	
18	Batch No.	BATCH-NO	125	X(4)		

(2) PEB02, "Section Reference"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-Id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)		
3	Map code [KEY-1]	MAP-CD	7	X(10)	"PB902"	
4	Map code [KEY-2]	MAP-CD-SEC	17	X(10)*10	Refer to APPENDIX IV Refer to APPENDIX IV Section code	
5	Filler	FILLER	117	X(8)		
6	Batch No.	BATCH-NO	125	X(4)		

1 - 9 PBCGPSEC, "Geophysical Seismic Section"

- (1) PBC01, "Geophysical Seismic Section" ..... AV-51
- (2) PBC02, "Map Reference" ..... AV-52



(1) PBC01, "Geophysical Seismic Section"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)	"PBC01"	
3-	Map code (KEY-1)	MAP-CD			Refer to APPENDIX IV Section code	
1	Group name	GROUP-NM	7	X(1)		
2	Kind of map	MAP-KD	8	X(2)	Refer to APPENDIX IV	
3	Reference number	REF-NO	10	X(7)		
4	Section number	SEC-NO	17	X(18)		
5	No. of fold for processing	NO-FOLD-PROC	35	9(4)	[8]	
6-	Scale	SEC-SC				
1	Horizontal scale	SEC-HORI-SC	39	X(10)		
2	Vertical scale	SEC-VERT-SC	49	X(10)		
7	Special coherence enhancement	ENHANCEMENT	59	X(10)		
8	Compression	COMPRESSION	69	9(1)		
9	Micro-film number	SEC-MCF-NO	70	X(20)		
10	Kind of section	SEC-KD	90	9(1)	Refer to APPENDIX IV	
11	Field code	FIELD-CD	91	X(3)*3	Refer to APPENDIX IV	
12	Filler	FILLER	100	X(25)		
13	Batch No.	BATCH-NO	125	X(4)		

(2) PBC02, "Map Reference"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)		
3	Map code	MAP-CD-SEC [KEY-1]	7	X(10)	"PBC02" Refer to APPENDIX IV Section code	
4	Map code	MAP-CD [KEY-2]	17	X(10)*10	Refer to APPENDIX IV	
5	Filler	FILLER	117	X(8)		
6	Batch No.	BATCH-NO	125	X(4)		

1 - 10 PBDGPREP, "Geophysical Report"

(1) PBD01, "Geophysical Report" ..... AV-54

(1) PBD01, "Geophysical Report"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)	"PBD01"	
2	Transaction code	TRANS-CD	2	X(5)	Refer to APPENDIX IV	b-1,2,3,4,5
3	Report code	REP-CD	7	X(10)		
4	Title	REP-TL	17	X(100)	Ex. "DDMMYY"	
5	Date	REP-DT	117	X(6)		
6	Identification number	REP-IDNO	123	X(20)		
7	Storage number	REP-STORAGE-NO	2	X(10)		
8	Author	REP-AUTHOR	25	X(30)		b-1,2,3,4,5
9	Company code	REP-COMPANY-CD	55	X(2)*2	Refer to APPENDIX IV	
10	Filler	FILLER	59	X(66)		
11	Batch No.	BATCH-NO	125	X(4)		

1-11 PCAWELL, "Well Data"

PAGE

(1)	PCA01, "Well" .....	AV-56
(2)	PCA03, "Stratigraphy" .....	AV-60
(3)	PCA04, "Hole and Casing" .....	AV-61
(4)	PCA05, "Completion String" .....	AV-62
(5)	PCA06, "Rod Pump" .....	AV-63
(6)	PCA07, "Submergible Pump" .....	AV-64
(7)	PCA08, "Gas Lift" .....	AV-65
(8)	PCA09, "Perforation" .....	AV-66
(9)	PCA10, "Plug Back" .....	AV-67
(10)	PCA11, "Abandonment Record" .....	AV-68
(11)	PCA12, "Bit Record" .....	AV-69
(12)	PCA13, "Mud Record" .....	AV-70
(13)	PCA14, "Mud Off Test" .....	AV-71
(14)	PCA15, "Mud Consumption in Kg" .....	AV-72
(15)	PCA16, "Mud Consumption in Litter" .....	AV-73
(16)	PCA17, "Primary Cementing" .....	AV-74
(17)	PCA18, "Squeeze Cementing" .....	AV-75
(18)	PCA19, "Cement and Additive Consumption in Kg" .....	AV-76
(19)	PCA20, "Cement and Additive Consumption in Litter" .....	AV-77
(20)	PCA21, "Downhole Troubles" .....	AV-78
(21)	PCA22, "Miscellaneous Trouble" .....	AV-79
(22)	PCA23, "Well Log" .....	AV-80
(23)	PCA24, "Coring" .....	AV-81
(24)	PCA25, "Core Lithology" .....	AV-82
(25)	PCA26, "Side Wall Sample" .....	AV-83
(26)	PCA27, "Cutting Sample" .....	AV-84
(27)	PCA28, "Hydrocarbon Indication" .....	AV-85
(28)	PCA29, "Drill Stem Test" .....	AV-86
(29)	PCA30, "Wireline Formation Test" .....	AV-88
(30)	PCA31, "Well Log Interpretation Report" .....	AV-90
(31)	PCA32, "Well Cost" .....	AV-91

(1) PCA01, "Well" (1/4)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)	"PCA01"	c-3, 4
2	Transaction code	TRANS-CD	2	X(5)	Refer to APPENDIX IV	
3	Well code [KEY-1]	WELL-CD	7	X(7)	Ex. "021M001"	
4	Workover number [KEY-1]	WKOV-NO	14	9(2)		
5	Objective of well	WELL-OB	16	9(1)	Refer to APPENDIX IV	c-3
6	Objective of workover	WKOV-OB	17	9(1)	Refer to APPENDIX IV	c-4
7	Completion status	COMPL-SI	18	9(1)	Refer to APPENDIX IV	c-5
8-	Formation code	FORMATION-CD			Refer to APPENDIX IV	c-1 or c-3
1	Primary objective	PRIMARY-OB	19	9(2)		
2	Secondary objective	SECOND-OB	21	9(2)*2		
9	Layer code	LAYER-CD	25	X(3)*10	Refer to APPENDIX IV	c-1 or c-3
10-	Operating date	OP-DT				
1	Spud date	SPUD-DT	55	X(6)	Ex. "DDMMYY"	
2	Date reached TD	REACH-TD-DT	61	X(6)	Ex. "DDMMYY"	
3	Rig release date	RIG-REL-DT	67	X(6)	Ex. "DDMMYY"	
4	Total day to TD	DAYS-TD	73	9(3)		
5	Total days	DAYS	76	9(3)		
11	Operator code	OPRAT-CD	79	X(3)	Refer to APPENDIX IV	c-3, 4
12	Drilling contractor	DRL-CONTRACTOR	82	X(10)		
13	Rig name	RIG-NM	92	X(10)	Ex. "Rig No-10"	"
14	Rig type	RIG-TY	102	X(15)	Ex. "NT 1625 DE"	"
15	Vertical or deviated	VERT-DEVI-FC	117	9(1)	Refer to APPENDIX IV	
16-	Sidetracking	STK-DT		*3		c-2 or c-3

(1) PCN017 Well (2/4)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
16-1	Date	STX-DT	1 118	X(6)	Ex. "DDMMYY"	
2	Depth	STK-DP	124	9(4)V9(1)	[m]	c-3
17-	Local coordinate	LOCAL-COORD				
1	Base point	BASE-PNT	2 23	X(20)		
2	X	X	43	S9(8)V9(2)	[m]	
3	Y	Y	53	S9(8)V9(2)	[m]	
18-	Mercator coordinate	COORD				
1	Latitude (S)	LATITUDE	63	S9(6)	Ex. "99.99.99"	
2	Longitude (E)	LONGITUDE	69	S9(7)	Ex. "999.99.99"	
19	Geophysical survey code	GEOP-SURVY	76	X(6)	Refer to APPENDIX IV	
20	Seismic line No.	SEIS-LINE-NO	82	X(15)		
21	Shot point No.	SHOT-PNT-NO	97	X(11)		
22	Well location name	WELL-LOC-NM	108	X(7)		
23-	Local coordinate	LOCAL-COORD-BH				
1	Base point	BASE-PNT-BH	115	X(20)		
2	X	X-BH	7	9(8)V9(2)	[m]	
3	Y	Y-BH	17	9(8)V9(2)	[m]	
24-	Mercator coordinate	COORD-BH				
1	Latitude (S)	LATITUDE-BH	27	S9(6)	Ex. "99.99.99"	
2	Longitude (E)	LONGITUDE-BH	33	S9(7)	Ex. "999.99.99"	
25	Site description	SITE-DES	40	9(2)	Refer to APPENDIX IV	
26	Original derrick floor elevation	OG-DELFOR-ELV	42	9(3)V9(2)	[m]	c-3, 4
27	Original derrick floor height from bottom flange	OG-DELFOR-HI	47	9(3)V9(2)	[m]	"
28	Total depth	TOTAL-DP	52	9(4)V9(1)	[m]	"
29	Plug back depth	PLUGBACK-DP	57	9(4)V9(1)	[m]	"
30	True vertical depth	VENT-DP	62	9(4)V9(1)	[m]	"

(1) PCA01, "Well" (3/4)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
31	Kick off point	XICOF-PNT	3	9 (4) V9 (1)	[m]	
32	Horizontal deviation	HORI-DEVI	67	9 (4) V9 (1)	[m]	
33	Mean drift angle	MEAN-DRIFT-ANGLE	72	9 (2) V9 (2)	[deg]	
34	Kind of deviation survey	DEVI-SURVEY-KD	77	9 (1) *2	Refer to APPENDIX IV	c-14 c-1 or c-2
35-	Casing and tubing head assembly	CTR-ASSEMB	81			
1	Size	CTR-SZ	83	X (30)	Ex. 13-3/8" X 9-5/8" X 3-1/2"	
2	Manufacturer	CTR-MANUFAC	113	X (10)		
3	Working pressure	CTR-WKPRESS	123	9 (5)	[psi]	
36-	Christmas tree assembly	CTR-ASSEMB				
1	Date of installation	CTR-INST-OT	128	X (6)	Ex. "DDMMYY"	c-1 or c-2
2	Manufacturer	CTR-MANUFAC	4	X (10)		
3	Wing valve configuration	CTR-WING-VIV	16	9 (1)	Refer to APPENDIX IV	
4	Working pressure	CTR-WKPRESS	17	9 (5)	[psi]	
37-	Mud log	MUD-LOG				
1	Type of logging unit	LOGUNIT-TV	22	X (20)		
2	Log interval	LOG-IV	42	9 (4) V9 (1) *2*2	[m]	c-15
38-	Mud logging report	MLG-REP				
1	Date	MLG-DT	62	X (6)	Ex. "DDMMYY"	
2	Reference No.	MLG-REF-NO	68	X (10)		
3	Author/organization	MLG-AUTH-ORG	78	X (20)		



(1) PCNOI, Well (4/4)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
39-	Service contractor	SERV-CONTRACTOR				
1	Cementing job	SERV-CEM-JOB	4	X(15)		
2	Directional drilling	SERV-DIREC-DRI	113	X(15)*2		
3	Mud engineering	SERV-MUD-ENG	5	X(15)		
4	Mud log	SERV-MUD-LOG	30	X(15)		
5	Well log	SERV-WELL-LOG	45	X(15)		
6	Side wall sampling	SERV-SIDE-WALL	60	X(15)		
7	Well velocity	SERV-WELL-VEL	75	X(15)		
8	Production test	SERV-PROD-TEST	90	X(15)		
9	Stimulation test	SERV-STIM-TEST	105	X(15)		
40-	Time analysis	TIME-ANAL	120	9(4)V9(1) *24	[hr]	C-3,4
41	Filler	FILLER	6	X(13)		
42	Batch No.	BATCH-NO	125	X(4)		

(2) PCA03, "Stratigraphy"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)	"PCA03"	
3	Well code [KEY-1]	WELL-CD	7	X(7)	Refer to APPENDIX IV	c-3, 4
4	Workover number [KEY-1]	WKOV-NO	14	9(2)		c-4
5	Stratigraphy No. [KEY-2]	STRATI-NO	16	9(2)		
6	Formation code	FORMATION-CD	18	9(2)	Refer to APPENDIX IV	c-3
7	Layer code	LAYER-CD	20	X(3)	Refer to APPENDIX IV	"
8	Interval of formation or layer	IV-FO-LA	23	9(4)V9(1)	[m]	"
9	Lithology	LITHOLOGY	33	X(20)*2		
10	Layer net thickness	LA-NR-THICK	53	9(3)V9(1)	[m]	
11	Layer gross thickness or formation thickness	LA-CR-THICK	57	9(3)V9(1)	[m]	
12	Filler	FILLER	61	X(64)		
13	Batch No.	BATCH-NO	125	X(4)		

(3) PCN04, "Hole and Casing"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)	"PCA04"	C-3, 4
2	Transaction code	TRANS-CD	2	X(5)	Refer to APPENDIX IV	C-4
3	Well code	WELL-CD	7	X(7)		
4	Workover number	WKOV-NO	14	9(2)		
5	Hole section and casing No.	HOCA-NO	16	9(2)		
6	Hole size	HOLE-SZ	18	X(4)	(in) Ex. 17 1/2 for 17 1/2" hole	C-3
7	Hole depth	HOLE-DP	22	9(4)V9(1)	(m)	"
8	Casing size	CASING-SZ	27	X(4)	(in) Ex. 13 3/8 for 13 3/8" hole	"
9	Casing set date	CASING-DT	31	X(6)	Ex. "DDMMYY"	"
10-	Type of casing	CASING-TY		*4		
1	Grade	CAS-GRADE	37	X(6)	Ex. P-110	
2	Weight	CAS-WEIGHT	43	9(3)V9(2)	(lbs/ft)	
3	Set depth/interval	CAS-SET-DP-IV	48	9(4)V9(1) *2	(m)	
11	Liner hanger	LIN-HANG	121	X(30)		C-3
12	Liner slot interval	LIN-SLOT-IV	2 23	9(4)V9(1) *2	(m)	"
13	Filler	FILLER	33	X(92)		
14	Batch No.	BATCH-NO	125	X(4)		

(4) PCA05, "Completion String"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)	"PCA05"	
2	Transaction code	TRANS-CD	2	X(5)	Refer to APPENDIX IV	c-3, 4
3	Well code	WELL-CD	7	X(7)		c-4
4	Workover number	WKOV-NO	14	9(2)	Refer to APPENDIX IV	c-5
5	String code	STRING-CD	16	9(1)	Refer to APPENDIX IV	"
6	String specification	STRING-SPEC	17	9(1)	Refer to APPENDIX IV	"
7	Completed interval	COMPL-IV	18	9(4)V9(1) *2*10	(m)	"
8-	Tubing	TUB				
1	Size	TUB-SZ	118	9(1)V9(3)	(in)	
2	Weight	TUB-WEIGHT	122	9(2)V9(2)	(lbs/ft)	
3	Grade	TUB-GRAD	126	X(6)	EX. "p-110"	
4	Depth	TUB-DP	4	9(4)V9(1)	(m)	
9	Packer depth	PACK-DP	2	9(4)V9(1) *2	(m)	
10	Filler	FILLER	19	X(106)		
11	Batch No.	BATCH-NO	125	X(4)		

(5) PCA06, "Red Pump"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)	"PCA06"	
2	Segment-id	SID	2	X(5)		
3	Well code	WELL-CD	7	X(7)	Refer to APPENDIX IV	C-3, 4
4	Workover number	WKOV-NO	14	9(2)		C-4
5	String code	STRING-CD	16	9(1)	Refer to APPENDIX IV	C-5
6-	Subsurface pump	SUBSUF-PUMP				C-8
1	Installation date	SS-INST-DT	17	X(6)	Ex. "DDMMYY"	
2	Manufacturer	SS-MANUFAC	23	X(15)		
3	Type	SS-TY	38	9(1)	Refer to APPENDIX IV	
4	Size	SS-SZ	39	9(1)V9(3)	[in]	
5	Depth	SS-DP	43	9(4)V9(1)	[m]	
7	Gas anchor	GAS-ANC	48	9(1)	Refer to APPENDIX IV	C-8
8	Anchor catcher depth	ANC-CAT-DP	49	9(4)V9(1)	[m]	
9-	Surface pump	SUP-PUMP				
1	Installation date	SF-INST-DT	54	X(6)	Ex. "DDMMYY"	
2	Manufacturer	SF-MANUFAC	60	X(15)		
3	Type	SF-TY	75	9(1)	Refer to APPENDIX IV	
4	Model	SF-MODEL	76	X(15)		
5	Ident No.	SF-IDNO	91	X(10)		
10-	Prime mover	PRIME-MOVER				C-8
1	Installation date	PM-INST-DT	101	X(6)	Ex. "DDMMYY"	
2	Manufacturer	PM-MANUFAC	107	X(15)		
3	Type	PM-TY	122	9(1)	Refer to APPENDIX IV	
4	Model	PM-MODEL	123	X(10)		
5	Ident No.	PM-IDNO	2	5		
11	Filler	FILLER	15	X(10)		
12	Batch No.	BATCH-NO	125	X(4)		

(6) PCA07, "Submergible Pump"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)	"PCA07"	
3	Well code	[KEY-1] WELL-CD	7	X(7)	Refer to APPENDIX IV	C-3, 4
4	Workover number	[KEY-1] WKOV-NO	14	9(2)		C-4
5	String code	[KEY-2] STRING-CD	16	9(1)	Refer to APPENDIX IV	C-5
6	Installation date	INST-DT	17	X(6)	EX. "DDMMYY"	
7	Manufacturer	MANUFAC	23	X(15)		
8	Model	MODEL	38	X(15)		
9	Size	SZ	53	X(25)	EX. "pump dia X length"	
10	Depth at intake	INTAKE-DP	78	9(4)V9(1)	(m)	
11	Gas separator	GAS-SEP	83	9(1)	Refer to APPENDIX IV	
12	Ident No.	IDNO	84	X(10)		
13	Filler	FILLER	94	X(31)		
14	Batch No.	BATCH-NO	125	X(4)		

(7) PCA08, "Gas Lift"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)	"PCA08"	
2	Transaction code	TRANS-CD	2	X(5)	Refer to APPENDIX IV	C-3, 4
3	Well code	WELL-CD	7	X(7)		C-4
4	Workover number	WKOV-NO	14	9(2)	Refer to APPENDIX IV	C-5
5	String code	STRING-CD	16	9(1)	EX. "DDMMYY"	C-5, 9
6	Installation date	INST-DT	17	X(6)		
7	Type of lifting	LIFT-TY	23	9(1)	Refer to APPENDIX IV	
8	Type of installation	INST-TY	24	9(1)	Refer to APPENDIX IV	C-5, 9
9	Macaroni pipe	MACARONI-PIPE	25	9(1)	Refer to APPENDIX IV	"
10-	Macaroni pipe data	MP-DATA				
1	Size	MP-SZ	26	9(1)V9(3)	[in]	
2	Length	MP-LN	30	9(4)V9(1)	[m]	
11-	Gas lift valve	GAS-LIFT-VLV				
1	Manufacturer	GV-MANUFAC	35	X(15)		
2	Model	GV-MODEL	50	X(10)		
3	Port size	GV-PORT-SZ	60	X(8)		
4	Depth	GV-DP	68	9(4)V9(1)	[m]	
12-	Surface controller	SUF-CON				
1	Installation date	SC-INST-DT	5	X(6)	EX. "DDMMYY"	
2	Manufacturer	SC-MANUFAC	99	X(15)		
3	Model	SC-MODEL	114	X(15)		
13	Filler	FILLER	6	X(124)		
14	Batch No.	BATCH-NO	125	X(4)		

## (8) PCA09, "Perforation"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)	"PCA09"	
3	Well code	[KEY-1] WELL-CD	7	X(7)	Refer to APPENDIX IV	c-3,4
4	Workover number	[KEY-1] WKOV-NO	14	9(2)		c-4
5	Perforation No.	[KEY-2] PERFORATION-NO	16	9(2)		c-3,4,5, 12,21,22
6	Date	DT	18	X(6)	Ex. "DDMMYY"	
7	Objective of perforation	PERFORATION-OB	24	9(1)	Refer to APPENDIX IV	"
8	Interval	IV	25	9(4)V9(1) *2	[m]	"
9	Type of perforation	PERFORATION-TY	35	X(15)	Ex. "AL. Unijet"	Same as above
10	Size of perforation	PERFORATION-SZ	50	X(8)		"
11	Number of shot	NO-SHOT	58	9(3)		"
12	Density of shot	DENS-SHOT	61	9(3)	[shots/ft]	"
13	Casing/liner perforated	CAS-LIN- PERFORATED	64	X(4)*2	[in]	"
14	Status of perforation	PERFORATION-ST	72	9(1)	Refer to APPENDIX IV	"
15	Filler	FILLER	73	X(52)		
16	Batch No.	BATCH-NO	125	X(4)		



(9) PCA10, "Plug Back"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)	"PCA10"	
3	Well code	(KEY-1) WELL-CD	7	X(7)	Refer to APPENDIX IV	C-3, 4
4	Workover number	(KEY-1) WKOV-NO	14	9(2)		C-4
5	Plug No.	(KEY-2) PLUG-NO	16	9(2)		
6	Date of set	SET-DT	18	X(6)	Ex. "DDMMYY"	
7	Kind of plug back	PLUG-BK-KD	24	9(1)	Refer to APPENDIX IV	C-5
8	Depth/interval	DP-IV	25	9(4)V9(1) #2	(m)	"
9	Model of bridge plug	BRIDGE-PLUG-MODEL	35	X(10)	Ex. "HOWCO EZ"	
10	Filler	FILLER	45	X(80)		
11	Batch No.	BATCH-NO	125	X(4)		

(10) PCall, "Abandonment Record"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)		
3	Well code	WELL-CD	7	X(7)	"PCall"	c-3, 4
4	Workover number	WKOV-NO	14	9(2)	Refer to APPENDIX IV	c-4
5	Reason of abandonment	ABAND-REAS	16	X(100)*2		c-3, 4, 5
6	Hole condition	HOLE-COND	2	X(100)*2		
7	Filler	FILLER	4	X(93)		
8	Batch No.	BATCH-NO	125	X(4)		

(11) PCAL12, "Bit Record"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)		
3	Well code	WELL-CD	7	X(7)	"PCAL12"	C-3, 4
4	Workover number	WKOV-NO	14	9(2)	Refer to APPENDIX IV	C-4
5	Run No.	RUN-NO	16	9(2)		C-10
6	Bit size	BIT-SZ	18	X(6)	[in]	"
7	Model	MODEL	24	X(10)		"
8	Interval	IV	34	9(4)/V9(1)	[m]	"
9	Hours	HOURS	44	9(3)/V9(2)	[hr]	"
10-1	Bit condition	BIT-COND	49	X(3)		
10-2	Tooth dullness	TOOTH-DULL	52	X(1)		
10-3	Bearing condition	BEARING-COND	53	X(3)		
11	Bit gage	BIT-GAGE	56	X(69)		
12	Filler	FILLER	125	X(4)		
	Batch No.	BATCH-NO				

(12) PCAL3, "Mud Record"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)	"PCAL3"	
3	Well code	WELL-CD	7	X(7)	Refer to APPENDIX IV	c-3, 4
4	Workover number	WKOV-NO.	14	9(2)		c-4
5	Mud record No.	MUD-REC-NO	16	9(2)		
6	Interval	IV	18	9(4)V9(1) *2	[m]	
7	Type of mud	MUD-TX	28	9(1)	Refer to APPENDIX IV	c-3, 4
8-	Average mud properties	AVMUD-PROP.				
1	Weight (SG)	WEIGHT	29	9(1)V9(2) *2	Ex. "1.05-1.10"	
2	Viscosity	VISCOSITY	35	9(3)*2	[sec] Ex. "105-110"	
3	Water loss	WAT-LOSS	41	9(2)V9(1) *2	[cc] Ex. "10.5-11.0"	
4	Sand content	SAND-CONT	47	9(2)V9(1)	[%] Ex. "10.5-11.0"	
5	Salt content	SALT-CONT	53	9(6)*2	[ppm] Ex. "105000-110000"	
6	Oil content	OIL-CONT	65	9(2)V9(1) *2	[%] Ex. "10.5-11.0"	
7	P.H.	PH	71	9(2)V9(1) *2	Ex. "10.5-11.0"	
9	Filler	FILLER	77	X(48)		
10	Batch No.	BATCH-NO	125	X(4)		

(13) PCA14, "Mud Off Test"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)		
3	Well code	WELL-CD	7	X(7)	"PCA14"	C-3, 4
4	Workover number	WKOV-NO	14	9(2)	Refer to APPENDIX IV	C-4
5	Test No.	TEST-NO	16	9(2)		
6	Tested date	TESTED-DT	18	X(6)	Ex. "DDMMYY"	C-2
7	Tested depth	TESTED-DF	24	9(4)V9(1)	[m]	"
8	Equivalent weight of leak off pressure	LEAKOFF-PRESS	29	9(1)V9(2)	[kg/cm <sup>2</sup> /10m]	"
9	Filler	FILLER	32	X(93)		
10	Batch	BATCH-NO	125	X(4)		

(14) PCA15, "Mud Consumption in Kg"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)		
3	Well code (KEY-1)	WELL-CD	7	X(7)	"PCA15"	C-3, 4
4	Workover number (KEY-1)	WKOV-NO	14	9(2)	Refer to APPENDIX IV	C-4
5	Mud consumption information	MUD-CON-INF		*13		C-3, 4
1	Kind of mud agents (KEY-2)	MUDAGEN-KD	16	9(2)	Refer to APPENDIX IV	
2	Consumption	CONSUMPTION	18	9(6)	[kg]	
6	Filler	FILLER	120	X(5)		
7	Batch No.	BATCH-NO	125	X(4)		

(15) PCA16, "Mud Consumption in Litter"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	DID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)		
3	Well code	WELL-CD	7	X(7)	"PCA16"	C-3,4
4	Workover number	WKOV-NO	14	9(2)	Refer to APPENDIX IV	C-4
5-	Mud consumption information	MUD-CON-INF	16	"3		
1	Kind of mud agents	MUDAGEN-KD	18	9(2)	Refer to APPENDIX IV	C-3,4
2	Consumption	MUD-CONSUMPTION	40	9(6)	(2)	
6	Filler	FILLER	40	X(85)		
7	Batch No.	BATCH-NO	125	X(4)		

(16) PCA17, "Primary Cementing"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)	"PCA17"	
3	Well code	WELL-CD	7	X(7)	Refer to APPENDIX IV	
4	Workover number	WKOV-NO	14	9(2)		
5	Cementing No.	CEMENT-NO	16	9(2)		
6	Cementing date	CEMENT-DT	18	X(6)	Ex. "DDMMYY"	
7	Casing size	CAISING-SZ	24	X(4)	[in]	c-11
8	Stage name	STAGE-NM	28	X(5)	Ex. "Shoe, DV-1 or SC-1 etc." (SC: Storage cementer)	
9	Depth	DP	33	9(4)V9(1)	[m]	c-11
10-	Cement	CEMENT	38	X(15)	Ex. "Class G"	c-11, 13
1	Type of cement	CEMENT-TY	53	X(30)	Ex. "5% CACL2"	
2	Additives	CEMENT-ADDITIVES	83	9(1)V9(2)		
3	Slurry weight (SC)	CEMENT-SC	86	9(6)	[kg]	
4	Cement bulk amount	CEMENT-BAMOUNT	92	X(33)		
11	Filler	FILLER	125	X(4)		
12	Batch No.	BATCH-NO				



(17) PCA18: "Squeeze Cementing"

Item No.	Item Name	Field name	Portion	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)	"PCA18"	c-3,4
3	Well code	WELL-CD	7	X(7)	Refer to APPENDIX IV	c-4
4	Workover number	WKOV-NO	14	9(2)		
5	Squeeze No.	SQUEEZE-NO	16	9(2)		
6	Date	DT	18	X(6)	Ex. "DDMMYY"	c-12
7	Objective of squeeze cement	SQUEEZE-OB	24	9(1)*3	Refer to APPENDIX IV	"
8	Interval	IV	27	9(4)V9(1) *2*3	[m]	"
9-	Cement data	CEMENT-DATA				
1	Type of cement	CEMENT-TY	57	X(15)		
2	Additives	CEMENT-ADDITIVES	72	X(30)	Ex. "2% CACL2"	
3	Slurry weight (SG)	CEMENT-SG	102	9(1)V9(2)		
4	Cement bulk amount	CEMENT-BAMOUNT	105	9(6)	[kg]	
10	Average squeezing injection rate	AVSQ-INJEC-RATE	111	9(4)V9(1)	[%/min]	c-12
11	Squeezing final pressure	SQFI-PRESS	116	9(3)V9(1)	[kg/cm <sup>2</sup> ]	"
12	Comment on result	COMMENT-RESULT	120	X(40)		"
13	Filler	FILLER	2	X(93)		
14	Batch No.	BATCH-NO	125	X(4)		

(18) PCA19, "Cement and Additive Consumption in Kg"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)	"PCA19"	
3	Well code	WELL-CD [KEY-1]	7	X(7)	Refer to APPENDIX IV	c-3, 4
4	Workover number	WKOV-NO [KEY-1]	14	9(2)		c-4
5-	Cement consumption information	CEMENT-CON-INT		*8		c-3, 4
1	Kind of cement and additives	CEMADD-KD [KEY-2]	16	9(2)	Refer to APPENDIX IV	
2	Consumption	CONSUMPTION	18	9(6)		
6	Filler	FILLER	80	X(45)		
7	Batch No.	BATCH-NO	125	X(4)		

(19) PCA20, "Cement and Additive Consumption in Litter"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-Id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)	"PCA20"	
3	Well code [KEY-1]	WELL-CD	7	X(7)	Refer to APPENDIX IV	C-3, 4
4	Workover number [KEY-1]	WKOV-NO	14	9(2)		C-4
5-	Cement consumption information	CEMENT-CON-INT		*2		C-3, 4
1	Kind of cement and additives [KEY-2]	CEMADD-KD	16	9(2)	Refer to APPENDIX IV	
2	Consumption	CONSUMPTION	18	9(6)	[2]	
6	Filler	FILLER	32	X(93)		
7	Batch No.	BATCH-NO	125	X(4)		

(20) PCA21, "Downhole Troubles"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)	"PCA21"	
2	Transaction code	TRANS-CD	2	X(5)	Refer to APPENDIX IV	c-3, 4
3	Well code	WELL-CD	7	X(7)		c-4
4	Workover number	WKOV-NO	14	9(2)		
5	Trouble No.	TROUBLE-NO	16	9(2)	Refer to APPENDIX IV	c-2, 4
6	Kind of trouble	TROUBLE-KD	18	9(1)	Ex. "DDMMYY"	"
7	Date emergenced	EMERGE-DT	19	X(6)	Ex. "DDMMYY"	"
8	Date overcome	OVERCOME-DT	25	X(6)	Ex. "DDMMYY"	"
9	Depth	DP	31	9(4)V9(1) *2	[m]	"
10	Summary of trouble	TROUBLE-SUM	41	X(100)*2		"
11	Filler	FILLER	2	113	X(12)	
12	Batch No.	BATCH-NO	125	X(4)		

(21) PCN22, "Miscellaneous Trouble"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)		C-3, 4
3	Well code	WELL-CD	7	X(7)	"PCA22"	C-4
4	Workover number	WKOV-NO	14	9(2)	Refer to APPENDIX IV	
5	Trouble No.	TROUBLE-NO	16	9(2)		C-3, 4
6	Summary of miscellaneous troubles	MISCSTROUB-SUM	18	X(100)*2		
7	Filler	FILLER	2	X(35)		
8	Batch No.	BATCH-NO	125	X(4)		

(22) PCA23, "Well Log"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)	"PCA23"	
3	Well code	WELL-CD	7	X(7)	Refer to APPENDIX IV	C-3, 4
4	Workover number	WKOV-NO	14	9(2)		C-4
5	Run No.	RUN-NO	16	9(2)		
6	Kind of log	LOG-XD	18	9(2)*4		C-3
7	Interval	IV	26	9(4)V9(1) *2	(m)	"
8	Scale	SC	36	9(1)*3	Refer to APPENDIX IV	"
9	Survey date	SURVEY-DT	39	X(6)	Ex. "DDMMYY"	C-2
10	Indent No.	IDNO	45	X(10)		
11	Filler	FILLER	55	X(70)		
12	Batch No.	BATCH-NO	125	X(4)		

(23) PCA24, "Coring"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)	"PCA24"	C-3, 4
3	Well code	WELL-CD	7	X(7)	Refer to APPENDIX IV	
4	Workover number	WKOV-NO	14	9(2)		C-4
5	Core No.	CORE-NO	16	9(2)		C-16
6	Coring date	CORING-DT	18	X(6)	Ex. "DDMMYY"	"
7	Interval	IV	24	9(4)V9(1) *2	[m]	"
8	Recovery	RECOVERY	34	9(2)V9(1)	[m]	"
9	Core Size	CORE-SZ	37	X(5)	[in]	"
10	Type of coring bit	CORING-BIT-TY	42	9(1)	Refer to APPENDIX IV	"
11	Type of barrel	BARREL-TY	43	9(1)	Refer to APPENDIX IV	"
12	Reference report No.	REF-REP-NO	44	X(10)		"
13	Filler	FILLER	54	X(71)		"
14	Batch No.	BATCH-NO	125	X(4)		"

(24) PCA25, "Core Lithology"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)		
3	Well code	WELL-CD	7	X(7)	"PCA25"	C-3, 4
4	Workover number	WKOV-NO	14	9(2)	Refer to APPENDIX IV	C-4
5	Core No.	CORE-NO	16	9(2)		C-16
6	Core lithology No.	CORE-LITHOLOGY-NO	18	9(2)		
7	Interval selected	SEL-IV	20	9(4)V9(1) *2	[m]	C-16
8-	Lithology	LITHOLOGY				
1	Main lithology	MAIN-LITHOLOGY	30	X(10)		C-16
2	Others	OTHERS	40	X(10)		
9-	Characteristics of lithology	CHARAC-LITHOLOGY				
1	Sorting	SORTING	50	X(6)		
2	Hardness	HARDNESS	56	X(6)		
3	Grain size	GRAIN-SZ	62	X(9)		
4	Porosity	POROSITY	71	9(2)V9(1)	[#]	
5	Colour	COLOUR	74	X(5)		
10	Filler	FILLER	79	X(46)		
11	Batch No.	BATCH-NO	125	X(4)		



(25) PCA26, "Side Well Sample"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)	"PCA26"	c-3, 4
2	Transaction code	TRANS-CD	2	X(5)	Refer to APPENDIX IV	c-4
3	Well code	WELL-CD	7	X(7)		c-18
4	Workover number	WKOV-NO	14	9(2)		"
5	Sample No.	SAMPL-NO	16	9(2)	Ex. "DDMMYY"	"
6	Sampling date	SAMPL-DT	18	X(6)		"
7	Sample depth	SAMPL-DP	24	9(4)V9(1)	(m)	"
8	Recovery	RECOVERY	29	9(3)	(%)	"
9	Lithology	LITHOLOGY	32	X(10)		"
10	Porosity	POROSITY	42	9(2)V9(1)	(%)	"
11	Colour	COLOUR	45	X(5)		"
12	Grain size	GRAIN-SZ	50	X(9)		"
13	Sorting	SORTING	59	X(6)		"
14	Hardness	HARDNESS	65	X(6)		"
15	Reference report No.	REF-REP-NO	71	X(10)		c-18
16	Filler	FILLER	81	X(44)		"
17	Batch No.	BATCH-NO	125	X(4)		"

(26) PCA27, "Cutting Sample"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)	"PCA27"	
3	Well code	WELL-CD	7	X(7)	Refer to APPENDIX IV	c-3, 4
4	Workover number	WKOV-NO	14	9(2)		c-4
5	Sample No.	SAMPL-NO	16	9(2)		
6	Sampling interval	SAMPL-IV	18	9(4)V9(1) w <sub>2</sub>	[m]	c-17
7	Sampling frequency	SAMPL-FREQ	28	9(2)	[m]	"
8	Reference report No.	REF-REP-NO	30	X(10)		"
9	Filler	FILLER	40	X(85)		
10	Batch No.	BATCH-NO	125	X(4)		

(27) PCA28, "Hydrocarbon Indication"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)	"PCA28"	
3	Well code [KEY-1]	WELL-CD	7	X(7)	Refer to APPENDIX IV	c-3, 4
4	Workover number [KEY-1]	WKOV-NO	14	9(2)		c-4
5	Indication No. [KEY-2]	INDICATION-NO	16	9(2)		
6	Interval	IV	18	9(4)V9(1) *2	[m]	
7	Lithology	LITHOLOGY	28	X(10)		
8	Fluorescence show	FLUR-SHOW	38	9(1)	Refer to APPENDIX IV	
9-	Gas chromatogram component	GASCHROM-COMPONENT				
1	C1	C1	39	9(2)V9(1)	[%]	
2	C2	C2	42	9(2)V9(1)	[%]	
3	C3+	C3P	45	9(2)V9(2)	[%]	
4	Selected depth	SEL-DP	49	9(4)V9(1)	[m]	
10	Solvent	SOLVENT	54	9(1)	The same code as "Fluorescence show"	
11	Porosity	POROSITY	55	9(2)V9(1)	[%]	
12	Water saturation	WAT-SAT	58	9(3)V9(1)	[%]	
13	Filler	FILLER	62	X(63)		
14	Batch No.	BATCH-NO	125	X(4)		

(28) PCA29, "Drill Stem Test" (1/2)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)	PCA29	
2	Transaction code	TRANS-CD	2	X(5)	Refer to APPENDIX IV	C-3, 4
3	Well code [KEY-1]	WELL-CD	7	X(7)		C-4
4	Workover number [KEY-1]	WKOV-NO	14	9(2)		
5	Test No. [KEY-2]	TEST-NO	16	9(2)		C-21, 22
6	Tested period	TESTED-PD	18	X(8)*2	Ex. "KHDDMMYY HHDDMMYY"	"
7	Service contractor	SERV-CONTRACTOR	34	X(15)		"
8	Type of DST	DST-TY	49	9(1)	Refer to APPENDIX IV	"
9	Test interval	TEST-IV	50	9(4)V9(1) *2	[m]	"
10	Swabbing operation	SWABB-OP	60	9(1)	Refer to APPENDIX IV	C-22
11-	Fluid recovery	FLUID-RECOV				C-21, 22
1	Cumulative oil recovery	CUM-OIL-RECOV	61	9(3)V9(2)	[m <sup>3</sup> ]	
2	Cumulative gas recovery	CUM-GAS-RECOV	66	9(3)V9(3)	[x10 <sup>3</sup> m <sup>3</sup> ]	
3	Cumulative water recovery	CUM-WAT-RECOV	72	9(3)V9(2)	[m <sup>3</sup> ]	
4	Oil cut mud	OIL-CUT-MUD	77	9(3)V9(2)	[m <sup>3</sup> ]	
5	Gas cut mud	GAS-CUT-MUD	82	9(3)V9(2)	[m <sup>3</sup> ]	
6	Water cut mud	WAT-CUT-MUD	87	9(3)V9(2)	[m <sup>3</sup> ]	
7	Oil water cut mud	OILWAT-CUT-MUD	92	9(3)V9(2)	[m <sup>3</sup> ]	
8	Gas water cut mud	GASWAT-CUT-MUD	97	9(3)V9(2)	[m <sup>3</sup> ]	
12-	Fluid recovery in chamber	FLUID-RECOV-CHAMB				
1	Oil volume	OIL-VOL	102	9(4)	[cc]	
2	Gas volume	GAS-VOL	106	9(1)V9(3)	[m <sup>3</sup> ]	
3	Water volume	WAT-VOL	110	9(4)	[cc]	
4	Mud volume	MUD-VOL	114	9(4)	[cc]	
5	Oil specific gravity	OIL-SPEC-CRAV	118	9(1)V9(3)		
6	Gas specific gravity	GAS-SPEC-CRAV	122	9(1)V9(3)		

(28) PCA29, "Drill Stem Test" (2/2)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
12-7	Salinity of water	SALINITY-WAT	1	9(6)	(ppm)	c-21, 22
13-	Pressure & temperature	PRESS-TEMP	2	9(3)V9(1)	(kg/cm <sup>2</sup> )	
1	Bottom hole shut in pressure	BHOLE-PRESS	8	9(3)	(°C)	
2	Bottom hole temperature	BHOLE-TEMP	11	9(3)V9(1)	(kg/cm <sup>2</sup> )	
3	Well head flowing pressure	WELL-HEAD-PRESS.	15	9(3)	(mm)	c-21, 22
4	Choke size	CHOKE-SZ	18	9(3)V9(1)	(kg/cm <sup>2</sup> )	
14-	Test analysis result	TEST-ANAL-RESULT	22	9(5)V9(2)	(md-m)	
1	Static pressure (P)	STATIC-PRESS	29	9(4)V9(2)	(md)	
2	Flow capacity (kh)	FCAPAC	35	S9(2)V9(2)		
3	Permeability (K)	PERMEAB	39	9(2)V9(2)		
4	Skin factor (S)	SKIN-FACT	43	9(3)V9(2)	(m <sup>3</sup> /d/kg/cm <sup>2</sup> )	
5	Damage ratio (DR)	DAM-RAT	48	9(3)V9(2)	(m <sup>3</sup> /d/kg/cm <sup>2</sup> )	
6	PI ideal	PI-IDEAL	53	9(1)V9(2)		
7	PI actual	PI-ACTUAL	56	9(3)V9(2)	[10 <sup>3</sup> stb m <sup>2</sup> /d]	
8	Flow efficiency	FEFFIC	61	9(4)V9(2)	(m <sup>3</sup> /d)	
9	Open flow potential	OPEN-FPPTENT	67	X(6)	Ex. "DDMMYY"	c-21, 22
10	Q max	QMAX	73	X(10)		
15-	Drill stem test report	DST-REP	83	X(20)		
1	Date	DST-DT	103	X(30)		c-24
2	Reference No.	DST-REF-NO	3	X(6)	Ex. "DDMMYY"	
3	Author/organization	DST-AUTH-ORG	11	X(10)		
16-	Fluid analysis report	FLUID-ANAL-REF	21	X(20)		
1	Title	FLA-TL	41	X(84)		c-24
2	Date	FLA-DT	125	X(4)		
3	Reference No.	FLA-REF-NO				
4	Author/organization	FLA-AUTH-ORG				
17	Filler	FILLER				
18	Batch No.	BATCH-NO				

(29) WCA30, "Wireline Formation Test" (1/2)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	1	X(5)	"PCA30"	
3	Well code	WELL-CD	1	X(7)	Refer to APPENDIX IV	
4	Workover number	WKOV-NO	1	9(2)		
5	Test No.	TEST-NO	16	9(2)		
6	Tested date	TESTED-DT	18	X(6)	EX. "DDMMYY"	
7	Service contractor	SERV-CONTRACTOR	24	X(15)		
8	Tested depth	TEST-DP	39	9(4)V9(1)	[m]	
9	Succeeded or not	SUCCEED-FC	44	9(1)	Refer to APPENDIX IV	
10-	Fluid recovery in chamber	FLUID-RECOV-CHAMB				
1	Oil volume	OIL-VOL	45	9(5)	[cc]	
2	Gas volume	GAS-VOL	50	9(1)V9(3)	[m3]	
3	Water volume	WAT-VOL	54	9(5)	[cc]	
4	Filtrate	FILTRATE	59	9(5)	[cc]	
11-	Test analysis result	TEST-ANAL-RESULT				
1	Kind of fluid estimated	FLUID-EST-XD	64	9(1)		
2	Static pressure (P)	STATIC-PRESS	65	9(3)V9(1)	[kg/cm <sup>2</sup> ]	
3	Permeability (K)	PERMEAB	69	9(4)V9(2)	[md]	
12-	Test report	TEST-REP				
1	Title	TST-TL	75	X(30)		
2	Date	TST-DT	105	X(6)		
3	Reference No.	TST-REF-NO	111	X(10)	EX. "DDMMYY"	
4	Author/organization	TST-AUTH-ORG	121	X(20)		
13-	Analysis report	ANAL-REP				
1	Title	ANL-TL	2	13	X(30)	
2	Date	ANL-DT	43	X(6)	EX. "DDMMYY"	

(29) PCA30, "Wireline Formation Test" (2/2)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
13-3	Reference No.	ANL-REF-NO	2	X(10)		
4	Author/organization	ANL-AUTH-ORG	59	X(20)		
14	Filler	FILLER	79	X(46)		
15	Batch No.	BATCH-NO	125	X(4)		

(30) PCA31, "Well Log Interpretation Report"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)		
3	Well code	WELL-CD	7	X(7)	"PCA31" Refer to APPENDIX IV Ex. "021M001"	
4	Workover number	WKOV-NO	14	9(2)		
5	Kind of interpretation	INT-KD	16	9(2)	Refer to APPENDIX IV	
6	Date	INT-DT	18	X(6)	Ex. "DDMMYY"	
7	Reference No.	INT-REF-NO	24	X(10)		
8	Author/organization	INT-AUTH-ORG	34	X(20)		
9	Filler	FILLER	54	X(71)		
10	Batch No.	BATCH-NO	125	X(4)		



(32) PCA32, "Well Cost"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)	"PCA32"	
3	Well code	WELL-CD	7	X(7)	Refer to APPENDIX IV	
4	Workover number	WKOV-NO	14	9(2)	See NOTE 1 in page AV-92	
5-	Well cost	WELL-CI		*40		
1	Rp	RP-CT	16	9(7)	[Rp]	
2	US\$	US-CT	23	9(7)	[US\$]	
6	FILLER	FILLER	5	X(61)		
7	Batch No.	BATCH-NO	125	X(4)		

NOTE 1. Well cost detailed item

Access and Preparation

1. Access - Land
2. Access - Marine
3. Well site
4. Marine platform
5. Derric erection/dismantling
6. Service lines
7. Indemnities

Drilling

8. Rigging up/down
9. Drilling consumables - surface
10. Drilling consumables - subsurface
11. Drilling string maintenance
12. Payment under contract
13. Mud
14. Fuel, lubricating oil, greases, steam, electricity
15. Water

Casing

16. Casing
17. Cementing

Subsurface evaluation

18. Subsurface evaluation

Completion

- 19. Stimulation treatments
- 20. Completion and production testing

Salaries/wages

- 21. Crew salaries/wages
- 22. Drilling department overhead

Transport-rig move

- 23. Transport-rig move Land
- 24. Water
- 25. Air

Transport-other

- 26. transport-other-Land
- 27. Water
- 28. Air

Well equipment

- 29. Well head equipment
- 30. Subsurface lifting equipment

Temporary camp

- 31. Temporary camp facilities
- 32. Camp operation and service

Depreciation

- 33. Drilling string
- 34. Marine drilling unit
- 35. Transport - Land
- 36.       Water
- 37.       Air
- 38. Spec. and heavy equipment
- 39. Other items
- 40. Field and district overhead
- 41. General overhead
- 42. Depreciation on overhead facilities

1-12 PDAPTPVT, "Petrophysical and PVT Analysis Data"

PAGE

- (1) PDA01, "Petrophysical and PVT Analysis" ..... AV-96
- (2) PDA02, "Sampling Place Information" ..... AV-97
- (3) PDA03, "Analysis Information" ..... AV-98

(1) PDA01, "Petrophysical and PVT Analysis"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)	"PDA01"	
3	Analysis code [KEY-1]	ANAL-CD	7	X(6)	Refer to APPENDIX IV	d-1,2
4	Well code	WELL-CD	13	X(7)	Refer to APPENDIX IV	"
5-	Order document	ORD-DOCUM				
1	Date	ORD-DT	20	X(6)	Ex. "DDMMYY"	"
2	Order document number	ORD-NO	26	X(20)		
6-	Invoice	INVOICE				
1	Date	IVC-DT	46	X(6)	Ex. "DDMMYY"	
2	Invoice number	IVC-NO	52	X(15)		
7-	Sample analysis report	SAMPLE-ANAL-REP				
1	Title	SA-TL	67	X(100) X(50)		d-1,2
2	Date	SA-DT	89	X(6)	Ex. "DDMMYY"	"
3	Author	SA-AUTHOR	95	X(30)		"
4	Organization of author	SA-AUTH-ORG	125	X(50)		"
8	Location of laboratory	LOCATION-LABORATORY				
9-	Total cost	TOTAL-CT	47	X(30)		"
1	Rp	RP-CT	77	9(8)V9(2)	[Rp]	
2	US\$	US-CT	87	9(5)V9(2)	[US\$]	
10	Filler	FILLER	94	X(31)		
11	Batch No.	BATCH-NO	125	X(4)		

(2) PDA-02, "Sampling Place Information"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)	"PDA02"	
3	Analysis code [KEY-1]	ANAL-CD	7	X(5)	Refer to APPENDIX IV	d-1, 2
4	Sampling identification [KEY-2]	SAMPL-ID	12	9(2)		
5	Reservoir unit code	RESERV-CD	14	X(4)	Refer to APPENDIX IV	"
6	Layer code	LAYER-CD	18	X(3)	Refer to APPENDIX IV	"
7	Sampling period	SAMPL-PD	21	X(12)	Ex. "DDMMYYDDMMYY"	"
8	Kind of sampling	SAMPL-KD	33	9(1)	Refer to APPENDIX IV	d-1
9	Kind of sample	SAMPLE-KD	34	9(1)	Refer to APPENDIX IV	d-2
10	Filler	FILLER	35	X(90)		
11	Batch No.	BATCH-NO	125	X(4)		

(3) FDA03, "Analysis Information"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)		
3	Analysis code [KEY-1]	ANAL-CD	7	X(6)	"FDA03"	d-1,2
4	Sampling identification [KEY-2]	SAMPL-ID	13	9(2)	Refer to APPENDIX IV	
5-	Analysis performed information	ANAL-PERFORMED		*10		
1	Kind of analysis performed [KEY-3]	ANAL-PERF-KD	15	9(2)	Refer to APPENDIX IV	d-1,2
2	Number of samples	AP-NO-SAMPLES	17	9(3)		
6	Filler	FILLER	65	X(60)		
7	Batch No.	BATCH-NO	125	X(4)		



	<u>PAGE</u>
1-13 PEAPRDIN, "Production and Injection"	
(1) PEA01, "Production and Injection" .....	AV-100
(2) PEA02, "Monthly Production" .....	AV-101
(3) PEA04, "Monthly Injection" .....	AV-102

(1) PEA01, "Production and Injection"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)	"PEA01" Refer to APPENDIX IV	e-1 " "
2	Transaction code	TRANS-CD	2	X(5)		
3	Well code	WELL-CD	7	X(7)		
4	String number	STRING-NO	14	9(1)		
5	Recompletion sequence notation	RECOMP-SEQ-NOTAT	15	9(2)		
6	Filler	FILLER	17	X(108)		
7	Batch No.	BATCH-NO	125	X(4)		

(2) PEA02, "Monthly Production"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)	"PEA02"	
3	Well code	WELL-CD	7	X(7)	Refer to APPENDIX IV	e-1
4	String number	STRING-NO	14	9(1)		"
5	Recompletion sequence notation	RECOMP-SEQ-NOTAT	15	9(2)		"
6	Choke size	CHOKE-SZ	17	9(3)	[mm]	"
7	Casing pressure	CASING-PRESS	20	9(3)	[kg/cm <sup>2</sup> ]	"
8	Tubing pressure	TUB-PRESS	23	9(3)	[kg/cm <sup>2</sup> ]	"
9	Separator pressure	SEP-PRESS	26	9(3)	[kg/cm <sup>2</sup> ]	"
10	Monthly production rate	MONTH-PROD-RATE				
1	Oil	MP-OIL	29	9(6)	[m <sup>3</sup> ]	
2-	Gas	MP-GAS				
1	High pressure gas	MP-HIP-GAS	35	9(6)V9(1)	[10 <sup>3</sup> m <sup>3</sup> ]	
2	Medium pressure gas	MP-MEP-GAS	42	9(6)V9(1)	[10 <sup>3</sup> m <sup>3</sup> ]	
3	Low pressure gas	MP-LOP-GAS	49	9(6)V9(1)	[10 <sup>3</sup> m <sup>3</sup> ]	
3	Water	MP-WAT	56	9(6)	[m <sup>3</sup> ]	
11	Production days	PROD-DAYS	62	9(2)	[day]	
12	Monthly gas injection volume	MI-GAS-VOL	64	9(6)V9(1)	[10 <sup>3</sup> m <sup>3</sup> ]	e-1
13	Filler	FILLER	71	X(54)		"
14	Batch No.	BATCH-NO	125	X(4)		

(3) PEA04, "Monthly Injection"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-Id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)	"PEA04"	
3	Well code [KEY-1]	WELL-CD	7	X(7)	Refer to APPENDIX IV	
4	String number [KEY-1]	STRING-NO	14	9(1)		
5	Recompletion sequence notation [KEY-1]	RECOMP-SEQ-NOTAT	15	9(2)		
6	Choke size	CHOKE-SZ	17	9(3)	[mm]	
7	Well head pressure	WHEAD-PRESS	20	9(3)	(kg/cm <sup>2</sup> )	
8	Monthly injection rate	MI-RATE	23	9(6)V9(2)	in case of water [m <sup>3</sup> ] in case of gas [10 <sup>3</sup> m <sup>3</sup> ] [day]	
9	Injection days	INJ-DAYS	31	9(2)		
10	Filler	FILLER	33	X(92)		
11	Batch No.	BATCH-NO	125	X(4)		

1-14 PEBOILCS, "Oil Consumption"

(1) PEB01, "Oil Consumption" ..... AV-104

(1) PEROL, "Oil Consumption"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	VID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)	"PEB01"	
3	Area code	AREA-CD	7	9(2)	Refer to APPENDIX IV	
4-	Monthly oil consumption at 15°C	MOIL-CONSUMP				
1-	Refinery plaaju	REFIN-PLAJU				
1	Gross	RP-GROSS	9	9(7)	[m <sup>3</sup> ]	
2	Water cut	RP-WATCUT	16	9(2)V9(2)	[%]	
3	Net	RP-NET	20	9(7)	[m <sup>3</sup> ]	
4	Specific gravity	RP-SPEC-GRAV	27	9(1)V9(4)	[water=1]	
2-	Field use	FIELD-USE				
1	Road maintenance	FU-ROAD-MENTE	32	9(7)	[m <sup>3</sup> ]	
2	Well servicing	FU-WELL-SERV	39	9(7)	[m <sup>3</sup> ]	
3	Fuel	FU-FUEL	46	9(7)	[m <sup>3</sup> ]	
4	Other	FU-OTHER	53	9(7)	[m <sup>3</sup> ]	
5	Filler	FILLER	60	X(65)		
6	Batch No.	BATCH-NO	125	X(4)		

1-15 PECGASCS, "Gas Consumption"

- (1) PEC01, "Gas Consumption" ..... AV-106
- (2) PEC02, "Monthly Consumption" ..... AV-107

(1) PEC01, "Gas Consumption"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)		
3	Field code (KEY-1)	FIELD-CD	7	X(3)		
4	Filler	FILLER	10	X(115)	"PEC01"	
5	Batch No.	BATCH-NO	125	X(4)	Refer to APPENDIX IV	



(2) PEC02, "Monthly Consumption"

Item No.	Item Name	Field name	Portion	Properties	Remarks	Source Document
1	Update-id	VID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)		
3	Field code [KEY-1]	FIELD-CD	7	X(3)		"PEC02"
4	Kind of gas consumption [KEY-2]	CONSUMP-KD	10	9(2)		Refer to APPENDIX IV
5-	Gas consumption	GAS-CONSUMP				Refer to APPENDIX IV
1	High pressure gas	GC-HIP-GAS	12	9(6)V9(2)		[MM scf]
2	Medium pressure gas	GC-MEP-GAS	20	9(6)V9(2)		[MM scf]
3	Low pressure gas	GC-LOP-GAS	28	9(6)V9(2)		[MM scf]
6	Filler	FILLER	36	X(89)		
7	Batch No.	BATCH-NO	125	X(4)		

1-16 PFARESVS, "Reserves Data"

(1)	PFA01, "Reserves" .....	AV-109
(2)	PFA02, "Oil and Solution Gas" .....	AV-110
(3)	PFA03, "Condensate and Gas" .....	AV-114

(1) PFA01, "Reserves"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-Id	UID	1	X(1)	"PFA01"	f-1
2	Transaction code	TRANS-CD	2	X(5)	Refer to APPENDIX IV	"
3	Field code (KEY-1)	FIELD-CD	7	X(3)	Refer to APPENDIX IV	"
4	Reservoir unit code (KEY-1)	RESERV-CD	10	X(4)		
5-	Abandonment condition	ABAN-COND	14	9(2)	[ksc]	
1	High pressure	AC-HPRESS	16	9(2)	[ksc]	
2	Low pressure	AC-LPRESS	18	X(107)		
6	Filler	FILLER	125	X(4)		
7	Batch No.	Batch-NO				

(2) PFA02, "Oil and Solution Gas" (1/4)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)	"PFA02"	
2	Transaction code	TRANS-CD	2	X(5)		f-1
3	Field code [KEY-1]	FIELD-CD	7	X(3)	Refer to APPENDIX IV	"
4	Reservoir unit code [KEY-1]	RESERV-CD	10	X(4)	Refer to APPENDIX IV	"
5-	Initial oil in place	INIT-OIL-PLACE				
1	Proven	IOP-PROV	14	9(8)V9(2)	[10 <sup>3</sup> m <sup>3</sup> ]	
2	Probable	IOP-PROB	24	9(8)V9(2)	[10 <sup>3</sup> m <sup>3</sup> ]	
3	Possible	IOP-POSS	34	9(8)V9(2)	[10 <sup>3</sup> m <sup>3</sup> ]	
6-	Oil reserves	OIL-RESERVES				
1-	Proven	OR-PROV				f-1
1	Primary recovery	ORPV-PRECOV	44	9(7)V9(2)	[10 <sup>3</sup> m <sup>3</sup> ]	
2	Secondary recovery	ORPV-SRECOV	53	9(7)V9(2)	[10 <sup>3</sup> m <sup>3</sup> ]	
3	Tertiary recovery	ORPV-TRECOV	62	9(7)V9(2)	[10 <sup>3</sup> m <sup>3</sup> ]	
2-	Probable	OR-PROB				
1	Primary recovery	ORPB-PRECOV	71	9(7)V9(2)	[10 <sup>3</sup> m <sup>3</sup> ]	
2	Secondary recovery	ORPB-SRECOV	80	9(7)V9(2)	[10 <sup>3</sup> m <sup>3</sup> ]	
3	Tertiary recovery	ORPB-TRECOV	89	9(7)V9(2)	[10 <sup>3</sup> m <sup>3</sup> ]	
3-	Possible	OR-POSS				
1	Primary recovery	ORPS-PRECOV	98	9(7)V9(2)	[10 <sup>3</sup> m <sup>3</sup> ]	
2	Secondary recovery	ORPS-SRECOV	107	9(7)V9(2)	[10 <sup>3</sup> m <sup>3</sup> ]	
3	Tertiary recovery	ORPS-TRECOV	116	9(7)V9(2)	[10 <sup>3</sup> m <sup>3</sup> ]	
7-	Initial solution gas in place	INIT-SOGAS-PLACE				f-1
1	Proven	ISP-PROV	125	9(8)V9(2)	[10 <sup>3</sup> m <sup>3</sup> ]	
2	Probable	ISP-PROB	2	9(8)V9(2)	[10 <sup>3</sup> m <sup>3</sup> ]	
3	Possible	ISP-POSS	17	9(8)V9(2)	[10 <sup>6</sup> m <sup>3</sup> ]	

(2) PPA02, "Oil and Solution Gas" (2/4)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
8-	Solution gas reserves	GAS-RESERVES				f-1
1-	Proven	GR-PROV	2	9 (7) V9 (2)		
1	Primary recovery	CRPV-PRECOV	27		[10 <sup>6</sup> m <sup>3</sup> ]	
2	Secondary recovery	CRPV-SRECOV	36	9 (7) V9 (2)	[10 <sup>6</sup> m <sup>3</sup> ]	
3	Tertiary recovery	CRPV-TRECOV	45	9 (7) V9 (2)	[10 <sup>6</sup> m <sup>3</sup> ]	
2-	Probable	GR-PROB				
1	Primary recovery	CRPB-PRECOV	54	9 (7) V9 (2)	[10 <sup>6</sup> m <sup>3</sup> ]	
2	Secondary recovery	CRPB-SRECOV	63	9 (7) V9 (2)	[10 <sup>6</sup> m <sup>3</sup> ]	
3	Tertiary recovery	CRPB-TRECOV	72	9 (7) V9 (2)	[10 <sup>6</sup> m <sup>3</sup> ]	
3-	Possible	GR-POSS				
1	Primary recovery	CRPS-PRECOV	81	9 (7) V9 (2)	[10 <sup>6</sup> m <sup>3</sup> ]	
2	Secondary recovery	CRPS-SRECOV	90	9 (7) V9 (2)	[10 <sup>6</sup> m <sup>3</sup> ]	
3	Tertiary recovery	CRPS-TRECOV	99	9 (7) V9 (2)	[10 <sup>6</sup> m <sup>3</sup> ]	
9-	Reservoir parameter for oil zone	RESPARA-OZ				f-1
1-	Areal extend	AREAL-EXT				
1	Proven	RPAB-PROV	108	9 (5) V9 (1)	[ha]	
2	Probable	RPAB-PROB	114	9 (5) V9 (1)	[ha]	
3	Possible	RPAB-POSS	120	9 (5) V9 (1)	[ha]	
2-	Average effective thickness	AV-EFTTHICK				
1	Proven	AET-PROV	126	9 (3) V9 (1)		
2	Probable	AET-PROB	2	9 (3) V9 (1)		
3	Possible	AET-POSS	6	9 (3) V9 (1)		
3-	Net bulk rock volume	NSUL-ROCK-VOL				
1	Proven	NRV-PROV	10	9 (5) V9 (2)	[10 <sup>6</sup> m <sup>3</sup> ]	
2	Probable	NRV-PROB	17	9 (5) V9 (2)	[10 <sup>6</sup> m <sup>3</sup> ]	
3	Possible	NRV-POSS	24	9 (5) V9 (2)	[10 <sup>6</sup> m <sup>3</sup> ]	

(2) PFA02, "Oil and Solution Gas" (3/4)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
9-4-	Weighted average porosity	WT-AV-POROS				
1	Proven	WAP-PROV	31	V9 (3)	[Fraction]	
2	Probable	WAP-PROB	34	V9 (3)	[Fraction]	
3	Possible	WAP-POSS	37	V9 (3)	[Fraction]	
5-	Weighted average water saturation	WT-AV-WAT-SAT				
1	Proven	WAW-PROV	3	V9 (3)	[Fraction]	
2	Probable	WAW-PROB	43	V9 (3)	[Fraction]	
3	Possible	WAW-POSS	46	V9 (3)	[Fraction]	
6-	Weight average formation volume factor	WT-AV-FOR-VOL				
1	Proven	WAF-PROV	49	9 (1) V9 (3)	[m <sup>3</sup> /m <sup>3</sup> ]	
2	Probable	WAF-PROB	53	9 (1) V9 (3)	[m <sup>3</sup> /m <sup>3</sup> ]	
3	Possible	WAF-POSS	57	9 (1) V9 (3)	[m <sup>3</sup> /m <sup>3</sup> ]	
7-	Gravity	GRAVITY				
1	Oil	GRA-OIL	61	9 (2) V9 (2)	[API]	
2	Gas	GRA-GAS	65	9 (1) V9 (3)	[AIR=1]	
8-	Viscosity	VISCOSITY				
1	Oil	VIS-OIL	69	9 (2) V9 (2)	[CP]	
2	Gas	VIS-GAS	73	9 (1) V9 (3)	[CP]	
9-	Bubble point pressure	BUPC-PRSS	77	9 (3) V9 (1)		
10-	Weighted oil ratio	WT-OIL-RATE				
1	Proven	WOR-PROV	81	9 (5)	[m <sup>3</sup> /m <sup>3</sup> ]	
2	Probable	WOR-PROB	86	9 (5)	[m <sup>3</sup> /m <sup>3</sup> ]	
3	Possible	WOR-POSS	91	9 (5)	[m <sup>3</sup> /m <sup>3</sup> ]	

(2)-PTA02-"Oil-and-Solution-Cas"-(4/4)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
10-1	Reference report Title	REP-REP	98	X(10)AB(S)		f-1
10-2	Date	REP-DT	118	X(6)AB(S)	Ex. "DDMMYY"	
10-3	Reference number	REP-REF-NO	124	X(20)AB(S)		
10-4	Author	REP-AUTHOR	16	X(30)AB(S)		
10-5	Organization of author	REP-AUTH-ORG	46	X(50)AB(S)		
10-6	Map date	REP-MAP-DT	96	X(6)AB(S)	Ex. "DDMMYY"	
10-7	Filler	FILLER	102	X(23)AB(S)		
10-8	Batch No.	BATCH-NO	125	X(4)AB(S)		
10-9	Country	COUNTRY	17	D(1)AB(S)		
10-10	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-11	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-12	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-13	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-14	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-15	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-16	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-17	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-18	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-19	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-20	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-21	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-22	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-23	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-24	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-25	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-26	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-27	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-28	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-29	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-30	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-31	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-32	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-33	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-34	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-35	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-36	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-37	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-38	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-39	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-40	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-41	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-42	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-43	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-44	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-45	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-46	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-47	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-48	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-49	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-50	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-51	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-52	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-53	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-54	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-55	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-56	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-57	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-58	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-59	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-60	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-61	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-62	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-63	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-64	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-65	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-66	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-67	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-68	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-69	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-70	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-71	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-72	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-73	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-74	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-75	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-76	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-77	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-78	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-79	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-80	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-81	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-82	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-83	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-84	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-85	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-86	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-87	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-88	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-89	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-90	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-91	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-92	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-93	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-94	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-95	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-96	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-97	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-98	Country code	COUNTRY-CODE	17	D(1)AB(S)		
10-99	Country name	COUNTRY-NAME	17	D(1)AB(S)		
10-100	Country code	COUNTRY-CODE	17	D(1)AB(S)		

(3) PFA03, "Condensate and Gas" (1/3)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	VID	1	X(1)	"PFA03"	f-1
2	Transaction code	TRANS-CD	2	X(5)	Refer to APPENDIX IV	"
3	Field code (KEY-1)	FIELD-CD	7	X(3)		
4	Reservoir unit code (KEY-1)	RESERV-CD	10	X(4)		
5-	Initial condensate in place	INIT-CONDENS-PLACE				
1	Proven	ICP-PROV	14	9(8)V9(2)	[10 <sup>3</sup> m <sup>3</sup> ]	
2	Probable	ICP-PROB	24	9(8)V9(2)	[10 <sup>3</sup> m <sup>3</sup> ]	
3	Possible	ICP-POSS	34	9(8)V9(2)	[10 <sup>3</sup> m <sup>3</sup> ]	
6-	Condensate reserves	CONDENS-RESERV		*2		f-1
1-	Proven	CR-PROV				
1	Primary recovery	CRPV-PRECOV	44	9(7)V9(2)	[10 <sup>3</sup> m <sup>3</sup> ]	
2	Secondary recovery	CRPV-SRECOV	53	9(7)V9(2)	[10 <sup>3</sup> m <sup>3</sup> ]	
3	Tertiary recovery	CRPV-TRECOV	62	9(7)V9(2)	[10 <sup>3</sup> m <sup>3</sup> ]	
2-	Probable	CR-PROB				
1	Primary recovery	CRPB-PRECOV	71	9(7)V9(2)	[10 <sup>3</sup> m <sup>3</sup> ]	
2	Secondary recovery	CRPB-SRECOV	80	9(7)V9(2)	[10 <sup>3</sup> m <sup>3</sup> ]	
3	Tertiary recovery	CRPB-TRECOV	89	9(7)V9(2)	[10 <sup>3</sup> m <sup>3</sup> ]	
3-	Possible	CR-POSS				
1	Primary recovery	CRPS-PRECOV	98	9(7)V9(2)	[10 <sup>3</sup> m <sup>3</sup> ]	
2	Secondary recovery	CRPS-SRECOV	107	9(7)V9(2)	[10 <sup>3</sup> m <sup>3</sup> ]	
3	Tertiary	CRPS-TRECOV	116	9(7)V9(2)	[10 <sup>3</sup> m <sup>3</sup> ]	
7-	Initial gas in place	INIT-GAS-PLACE				
1	Proven	IGP-PROV	2	9(8)V9(2)	[10 <sup>3</sup> m <sup>3</sup> ]	
2	Probable	IGP-PROB	88	9(8)V9(2)	[10 <sup>3</sup> m <sup>3</sup> ]	
3	Possible	IGP-POSS	98	9(8)V9(2)	[10 <sup>3</sup> m <sup>3</sup> ]	



(3) PFA03, "Condensate and Gas" (2/3)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
8-	Gas reserves	GAS-RESERVES		#2		
1-	Proven	GR-PROV	2	9 (7) V9 (2)	[10 <sup>6</sup> m <sup>3</sup> ]	
1	Primary recovery	GRPV-PRCOV	108	9 (7) V9 (2)	[10 <sup>6</sup> m <sup>3</sup> ]	
2	Secondary recovery	GRPV-SRECOV	117	9 (7) V9 (2)	[10 <sup>6</sup> m <sup>3</sup> ]	
3	Tertiary recovery	GRPV-TRECOV	126	9 (7) V9 (2)		
2-	Probable	GR-PROB	3	9 (7) V9 (2)	[10 <sup>6</sup> m <sup>3</sup> ]	
1	Primary recovery	GRPB-PRCOV	7	9 (7) V9 (2)	[10 <sup>6</sup> m <sup>3</sup> ]	
2	Secondary recovery	GRPB-SRECOV	16	9 (7) V9 (2)	[10 <sup>6</sup> m <sup>3</sup> ]	
3	Tertiary recovery	GRPB-TRECOV	25	9 (7) V9 (2)	[10 <sup>6</sup> m <sup>3</sup> ]	
3-	Possible	GR-POSS	34	9 (7) V9 (2)	[10 <sup>6</sup> m <sup>3</sup> ]	
1	Primary recovery	GRPS-PRCOV	43	9 (7) V9 (2)	[10 <sup>6</sup> m <sup>3</sup> ]	
2	Secondary recovery	GRPS-SRECOV	52	9 (7) V9 (2)	[10 <sup>6</sup> m <sup>3</sup> ]	
3	Tertiary recovery	GRPS-TRECOV				
9-	Reservoir parameter for gas cap zone of gas reservoir	RESPARA-CGZ-CR				
1-	Areal extend	AREAL-EXT	4	9 (5) V9 (1)	[ha]	
1	Proven	RPAE-PROV	14	9 (5) V9 (1)	[ha]	
2	Probable	RPAB-PROB	20	9 (5) V9 (1)	[ha]	
3	Possible	RPAC-POSS	26	9 (5) V9 (1)	[ha]	
2-	Average effective thickness	AV-EFTTHICK				
1	Proven	AET-PROV	32	9 (3) V9 (1)		
2	Probable	AET-PROB	36	9 (3) V9 (1)		
3	Possible	AET-POSS	40	9 (3) V9 (1)		
3-	Net bulk rock volume	NBUL-ROCK-VOL				
1	Proven	NRV-PROV	44	9 (5) V9 (1)	[10 <sup>6</sup> m <sup>3</sup> ]	
2	Probable	NRV-PROB	50	9 (5) V9 (1)	[10 <sup>6</sup> m <sup>3</sup> ]	
3	Possible	NRV-POSS	56	9 (5) V9 (1)	[10 <sup>6</sup> m <sup>3</sup> ]	

## (3) PFA03, "Condensate and Gas" (3/3)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
9-4-	Weighted average porosity	WT-AV-POROS				
1	Proven	WAP-PROV	62	V9 (3)	(Fraction)	
2	Probable	WAP-PROB	65	V9 (3)	(Fraction)	
3	Possible	WAP-POSS	68	V9 (3)	(Fraction)	
5-	Weighted average water saturation	WT-AV-WAT-SAT				
1	Proven	WAW-PROV	71	V9 (3)	[m <sup>3</sup> /m <sup>3</sup> ]	
2	Probable	WAW-PROB	74	V9 (3)	[m <sup>3</sup> /m <sup>3</sup> ]	
3	Possible	WAW-POSS	77	V9 (3)	[m <sup>3</sup> /m <sup>3</sup> ]	
6-	Weighted average gas oil ratio	WT-AV-CO-RAT				
1	Proven	WAG-PROV	80	9 (6)	[m <sup>3</sup> /m <sup>3</sup> ]	
2	Probable	WAG-PROB	86	9 (6)	[m <sup>3</sup> /m <sup>3</sup> ]	
3	Possible	WAG-POSS	92	9 (6)	[m <sup>3</sup> /m <sup>3</sup> ]	
7-	Expansion factor	EXPA-FACT				
1	Initial	EF-INIT	98	9 (4) V9 (2)	[m <sup>3</sup> /m <sup>3</sup> ]	
2	Abandon condition (High pressure)	EPI-ABCON-HPRESS	104	9 (4) V9 (2)	[m <sup>3</sup> /m <sup>3</sup> ]	
3	Abandon condition (Low pressure)	EPI-ABCON-LPRESS	110	9 (4) V9 (2)	[m <sup>3</sup> /m <sup>3</sup> ]	
8-	Fractional gas	FRACT-GAS	116	V9 (4)		
10-	Reference report	REF-REP	120	X (100) X (50)		4-2
1	Title	REP-TL				
2	Date	REP-DT	6	X (6)	Ex. "DDMMYY"	
3	Reference number	REP-REF-NO	20	X (20)		
4	Author	REP-AUTHOR	40	X (30)		
5	Organization of author	REP-AUTH-ORG	70	X (50)		
6	Map date	REP-MAP-DT	120	X (6)	Ex. "DDMMYY"	
11	Filler	FILLER	126	X (127)		
12	Batch No.	BATCH-NO	7	X (4)		

**i-17 PGAWELTS, "Well Test and Stimulation"**

<b>(1)</b>	<b>PGA01, "Well Test and Stimulation"</b>	<b>AV-118</b>
<b>(2)</b>	<b>PGA02, "Production Test"</b>	<b>AV-119</b>
<b>(3)</b>	<b>PGA03, "Flow Rate by Choke Size"</b>	<b>AV-122</b>
<b>(4)</b>	<b>PGA04, "Injection Test"</b>	<b>AV-123</b>
<b>(5)</b>	<b>PGA05, "Subsurface Pressure Survey"</b>	<b>AV-125</b>
<b>(6)</b>	<b>PGA06, "Production Log"</b>	<b>AV-127</b>
<b>(7)</b>	<b>PGA07, "Well Stimulation"</b>	<b>AV-128</b>

(1) PGA01, "Well Test and Stimulation"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)	"PGA01"	
2	Transaction code	TRANS-CD	2	X(15)		
3	Well test and stimulation [KEY-1] Code	WEL-TEST-STIM-CD	7	X(13)	Refer to APPENDIX IV EX. "021M001PT0170"	
4	Workover number	WKOV-NO	20	9(2)	Refer to APPENDIX IV	
5	String code	STRING-CD	22	9(1)	Refer to APPENDIX IV	
6	Kind of completed zone	COMPL-ZN-KD	23	9(1)	Refer to APPENDIX IV	
7	Well status	WELL-ST	24	X(3)	Refer to APPENDIX IV	
8	Formation code	FORMATION-CD	27	9(2)	Refer to APPENDIX IV	
9	Reservoir unit code	RESERV-CD	29	X(4)*10	Refer to APPENDIX IV	
10	Layer code	LAYER-CD	69	X(3)*20	Refer to APPENDIX IV	
11	Test or stimulation period	TEST-STIM-PD	1	X(6)*2	EX. "DDMMYY"	
12	Surveyor or service contractor	SURV-SERV-CONTRACTOR	2	X(30)		
13	Filler	FILLER	43	X(82)		
14	Batch No.	BATCH-NO	125	X(4)		

(2) PGA02 - "Production Test" (1/3)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)		
3	Well test and stimulation code	WEL-TEST-STIM-CD	7	X(13)	"PGA02"	
4	Kind of production test	PROP-TEST-KD	20	9(1)	Refer to APPENDIX IV Ex. "02IM001PT0170"	
5	Type of production test	PROP-TEST-TY	21	9(1)	Refer to APPENDIX IV	
6	Bottomhole pressure survey	BHOLE-PSURVEY	22	9(1)	Refer to APPENDIX IV	
7	Test interval	TEST-IV	23	9(4)V9(1) *2	[m]	
8-	Test record	TEST-REC				
1	Bottomhole sampling	TR-BHOLE-SAMPL	33	9(1)	Refer to APPENDIX IV	
2	Bottomhole shut-in pressure (Max.)	BHOLE-SIN-PRESS	34	9(3)V9(1)	[kg/cm <sup>2</sup> ]	
3	Bottomhole flowing pressure	BHOLE-FLO-PRESS	38	9(3)V9(1)	[kg/cm <sup>2</sup> ]	
4	Average pressure gradient in tubing	AV-PCRAD-TUBE	2	9(1)V9(3)	[kg/cm <sup>2</sup> /10m]	
5	Bottomhole temperature	BHOLE-TEMP	46	9(3)V9(2)	[°C]	
9-	Fluid analysis (surface sampling fluid)	FLUID-ANAL				
1	API oil gravity	API-OIL-GRAV	51	9(2)V9(2)	[°API]	
2	API pour point	API-POUR-PNT	55	9(2)V9(2)	[°C]	
3	Water salinity	WAT-SALIN	59	9(6)	[ppm]	
4	Gas gravity	GAS-GRAV	65	9(1)V9(2)	[AIR=1]	
5-	Gas main component	GAS-MCOMP				
1	H2S	GMC-H2S	68	9(2)V9(2)	[% VOL]	
2	CO2	GMC-CO2	72	9(2)V9(2)	[% VOL]	
3	O2	GMC-O2	76	9(2)V9(2)	[% VOL]	
4	N2	GMC-N2	80	9(2)V9(2)	[% VOL]	

(2) PGA02, "Production Test" (2/3)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
9-5-5	C1	GMC-C1	2	84 9(2)V9(2)	[% vol]	
6	C2	GMC-C2	88	9(2)V9(2)	[% vol]	
7	C3	GMC-C3	92	9(2)V9(2)	[% vol]	
8	C4	GMC-C4	96	9(2)V9(2)	[% vol]	
9	C5+	GMC-C5P	100	9(2)V9(2)	[% vol]	
10	Other components	GMC-OTH-COMP	104	9(2)V9(2)	[% vol]	
10-	Test analysis result	TEST-ANAL-RESUL				
1	P*	TAR-PAST	108	9(3)V9(2)	(kg/cm <sup>2</sup> )	
2	Flow capacity (Kh)	TAR-FCAPAC	113	9(6)V9(2)	[millidarcy*m]	
3	Permeability (K)	TAR-PERMB	121	9(4)V9(2)	[millidarcy]	
4	Skin factor (S)	TAR-SFACT	127	S9(3)V9(2)		
5	Damage ratio (DR)	TAR-DAM-RAT	4	9(2)V9(2)	[%]	
6-	Productivity index (PI)	TAR-PRODV-IX	3			
1	Ideal	TRAPI-IDEAL	8	9(3)V9(2)	In case of oil [m <sup>3</sup> /d/kg/cm <sup>2</sup> ]	
2	Actual	TRAPI-ACTUAL	13	9(3)V9(2)	In case of gas [10 <sup>3</sup> m <sup>3</sup> /d/kg/cm <sup>2</sup> ]	
7	Flow efficiency	TRA-EFFTC	18	9(1)V9(3)	In case of oil [m <sup>3</sup> /d/kg/cm <sup>2</sup> ]	
8	Q max	TRA-QMAX	22	9(5)V9(1)	In case of gas [10 <sup>3</sup> m <sup>3</sup> /d/kg/cm <sup>2</sup> ]	
9	Absolute open flow potential	TRA-PPNT	28	9(5)V9(1)	In case of oil [m <sup>3</sup> /d/kg/cm <sup>2</sup> ]	
11-	Reference report	REF-REP			In case of gas [10 <sup>3</sup> m <sup>3</sup> /d/kg/cm <sup>2</sup> ]	
1-	Flow test report	FTEST-REP			(fraction)	
1	Title	FTR-TL	34	X(150)	[m <sup>3</sup> /d]	
2	Date	FTR-DT	4	X(6)		
3	Reference no.	FTR-REF-NO	62	X(20)		
4	Author	FTR-AUTHOR	82	X(30)		
5	Organization of author	FTR-AUTH-ORG	112	X(50)		

(2) PQA02, "Production Test" (3/3)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
11-2-	Fluid analysis report	FLUID-ANAL-RDP				
1	Title	FTAR-TL	5 34	X(150)		
2	Date	FTAR-DT	6 56	X(6)	Ex. "DDMMYY"	
3	Reference no.	FTAR-REF-NO	62	X(20)		
4	Author	FTAR-AUTHOR	82	X(30)		
5	Organization of author	FTAR-AUTH-ORG	112	X(50)		
3-	Flow test analysis report	FTAR-ANAL-RDP				
1	Title	FTAR-TL	7 34	X(150)		
2	Date	FTAR-DT	8 56	X(6)		
3	Reference no.	FTAR-REF-NO	62	X(20)	Ex. "DDMMYY"	
4	Author	FTAR-AUTHOR	82	X(30)		
5	Organization of author	FTAR-AUTH-ORG	112	X(50)		
12	Filler	FILLER	9 34	X(91)		
13	Batch No.	BATCH-NO	125	X(4)		

(3) PGA03, "Flow Rate by Choke Size"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)		
3	Well test and stimulation [KEY-1] code	WEL-TEST-STIM-CD	7	X(13)	"PGA03"	
4	Flowing method for test [KEY-3]	FMTM-TEST	20	9(1)	Refer to APPENDIX IV	
5	Choke size [KEY-3]	CHOKE-SZ	21	9(9)	Refer to APPENDIX IV	
6-	Flow rate	FRATE			(mm)	
1	Oil	FR-OIL	24	9(4)V9(1)	(m <sup>3</sup> /d)	
2-	Gas	FR-GAS				
1	High pressure gas	FRG-HIP-GAS	29	9(4)V9(1)	(10 <sup>3</sup> m <sup>3</sup> /d)	
2	Medium pressure gas	FRG-MDP-GAS	34	9(4)V9(1)	(10 <sup>3</sup> m <sup>3</sup> /d)	
3	Low pressure gas	FRG-LOP-GAS	39	9(4)V9(1)	(10 <sup>3</sup> m <sup>3</sup> /d)	
3	Water cut	FR-WATCUT	44	9(2)V9(2)	(%)	
7	Tubing pressure	TUB-PRESS	48	9(3)V9(1)	(kg/cm <sup>2</sup> )	
8	Casing pressure	CASING-PRESS	52	9(3)V9(1)	(kg/cm <sup>2</sup> )	
9	Flow line pressure	FLINE-PRESS	56	9(3)V9(1)	(kg/cm <sup>2</sup> )	
10-	Separator pressure	SEP-PRESS				
1	High pressure	SP-HPRESS	60	9(3)V9(1)	(kg/cm <sup>2</sup> )	
2	Medium pressure	SP-MPRESS	64	9(3)V9(1)	(kg/cm <sup>2</sup> )	
3	Low pressure	SP-LPRESS	68	9(3)V9(1)	(kg/cm <sup>2</sup> )	
11	Gas lift gas	GAS-LIFT-GAS	72	9(4)V9(1)	(10 <sup>3</sup> m <sup>3</sup> /d)	
12	FILLER	FILLER	77	X(48)		
13	Batch No.	BATCH-NO	125	X(4)		



(4) PCA04. "Injection Test" (1/2)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)	"PCA04"	
2	Transaction code	TRANS-CD	2	X(5)	Refer to APPENDIX IV	
3	Well test and stimulation [KEY-1] code	WEL-TEST-STIM-CD	7	X(13)	Ex. "021M001PT0170"	
4	Kind of injection test	INJECT-TEST-KD	20	9(1)	Refer to APPENDIX IV	
5	Type of injection test	INJECT-TEST-TX	21	9(1)	Refer to APPENDIX IV	
6	Bottomhole pressure survey	BHOLE-PSURVEY	22	9(1)	Refer to APPENDIX IV	
7	Test interval	TEST-IV	23	9(4)V9(1)	[m]	
8	Kind of injection fluid	INJECT-FLUID-KD	28	9(1)	Refer to APPENDIX IV	
9-	Treatment for injection fluid	TREAT-INJECT-FLUID	29	9(1)	Refer to APPENDIX IV	
1	Filtration	FILTRATION	30	9(1)	Refer to APPENDIX IV	
2	Kind of additives	ADDITIVES-KD				
10-	Test record	TEST-REC				
1	Cumulative injection volume	TR-CUMINJ-VOL	31	9(6)V9(1)	In case of water [m <sup>3</sup> ]	
2	Average daily injection rate	TR-AVDLY-INJRT	38	9(4)V9(1)	In case of gas [10 <sup>3</sup> m <sup>3</sup> ]	
3	Maximum wellhead flowing pressure	TR-MAXWL-PRESS	43	9(3)V9(9)	In case of water [m <sup>3</sup> ]	
4	Maximum bottomhole flowing pressure	TR-MAXBHOLE-PRESS	55	9(4)V9(1)	[kg/cm <sup>2</sup> ]	
5	Bottomhole flowing pressure at stabilized condition	TR-BHOLE-STABCOND	60	9(4)V9(1)	[kg/cm <sup>2</sup> ]	
6	Bottomhole temperature	TR-BHOLE-TEMP	65	9(3)V9(2)	[°C]	
11-	Test results	TEST-RESUL				
1	P*	TRB-PSTA	70	9(3)V9(2)	[kg/cm <sup>2</sup> ]	
2	Flow capacity (Ka)	TRB-FCAPAC	75	9(6)V9(2)	[millidarcy* m]	
3	Permeability (K)	TRB-PERMB	83	9(4)V9(2)	[millidarcy]	
4	Skin factor (S)	TRB-SFACT	89	S9(3)V9(2)		
5	Damage ratio (DR)	TRB-DAM-RAT	94	9(2)V9(2)	[%]	

## (4) PGA04, "Injection Test" (2/2)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
11-6-1	Injectivity index (II) Ideal	TRE-INJECT-IDX	1	9 (3)V9 (2)	In case of water [m <sup>3</sup> /d/kg/cm <sup>2</sup> ]	
2	Actual	TREII-IDEAL	103	9 (3)V9 (2)	In case of gas [10 <sup>3</sup> m <sup>3</sup> /d/kg/cm <sup>2</sup> ]	
7	Flow efficiency	TREII-ACTUAL	108	9 (1)V9 (3)	In case of water [m <sup>3</sup> /d/kg/cm <sup>2</sup> ]	
12-	Reference report	TRE-EFFIC			In case of gas [10 <sup>3</sup> m <sup>3</sup> /d/kg/cm <sup>2</sup> ]	
1-	Injection test report	REF-REP			[Fraction]	
1	Title	INJECT-REP	112	X (150)		
2	Date	IR-TL	3	X (6)	Ex. "DDMMYY"	
3	Reference No.	IR-DT	12	X (20)		
4	Author	IR-REF-NO	32	X (30)		
5	Organization of author	IR-AUTHOR	62	X (50)		
2-	Injection test analysis report	IR-AUTH-ORG				
1	Title	ITA-REP	112	X (150)		
2	Date	IA-TL	5	X (6)	Ex. "DDMMYY"	
3	Reference No.	IA-DT	12	X (20)		
4	Author	IA-REF-NO	32	X (30)		
5	Organization of author	IA-AUTHOR	62	X (50)		
3-	Injection fluid treatment report	IA-AUTH-ORG				
1	Title	IFT-REP	112	X (150)		
2	Date	IT-TL	7	X (6)	Ex. "DDMMYY"	
3	Reference No.	IT-DT	12	X (20)		
4	Author	IT-REF-NO	32	X (30)		
5	Organization of author	IT-AUTHOR	62	X (50)		
13	FILLER	IT-AUTH-ORG	112	X (13)		
14	Batch No.	FILLER	125	X (4)		
		BATCH-NO				

(5) PCA05, "Subsurface Pressure Survey" (1/2)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)	"PCA05"	
2	Transaction code	TRANS-CD	2	X(5)	Refer to APPENDIX IV EX. "02IM001PT0170"	
3	Well test and stimulation code	WEL-TEST-STIM-CD	7	X(13)	Refer to APPENDIX IV	
4	Type of survey	SURVEY-TX	20	9(1)		
5-	Survey depth	SURVEY-DP	21	9(4)V9(1)	[m]	9-2
1	BDF	SD-BDF	26	9(4)V9(1)	[m]	
2	Subsea depth	SD-SUBSEA	31	9(4)V9(1)	[m]	
6	Datum plane depth	DAT-PL-DP	36	9(5)V9(1)	[hr]	
7-	Test record	TEST-REC	42	9(4)V9(1)	[kg/cm <sup>2</sup> /10m]	
1	Shut-in time	TR-SIN-TIME	47	9(4)V9(1)	[m]	
2	Bottomhole pressure	TR-BHOLE-PRESS	52	9(1)V9(3)	[kg/cm <sup>2</sup> /10m]	9-2
3	Liquid level in subsea depth	TR-QLV-SSDP	56	9(1)V9(2)	[kg/cm <sup>2</sup> /10m]	
4	Average pressure gradient for gas column	TR-APG-GAS	59	9(3)V9(1)	[kg/cm <sup>2</sup> ]	
5	Average pressure gradient for liquid column	TR-APG-LQD	63	9(4)V9(2)	[kg/cm <sup>2</sup> ]	
6	Wellhead pressure	TR-WHEAD-PRESS	69	9(6)V9(2)	[Millidarcy]*m]	
8-	Test analysis result	TEST-ANAL-RESUL	77	9(4)V9(2)	[Millidarcy]	
1	P*	TRE-PAST	83	S9(3)V9(2)	[Fraction]	
2	Flow capacity (Kh)	TRE-PCAPAC	92	9(3)V9(2)	In case of oil [m <sup>3</sup> /d/kg/cm <sup>2</sup> ]	
3	Permeability (K)	TRE-PERMB	97	9(3)V9(2)	In case of gas [10 <sup>3</sup> m <sup>3</sup> /d/kg/cm <sup>2</sup> ]	
4	Skin factor (S)	TRE-SFACT			In case of oil [m <sup>3</sup> /d/kg/cm <sup>2</sup> ]	
5	Damage ratio (DR)	TRE-DAM-RAT			In case of gas [10 <sup>3</sup> m <sup>3</sup> /d/kg/cm <sup>2</sup> ]	
6-	Productivity index	TRE-PRODTV-IX				
1	Ideal	TREPI-IDEAL				
2	Actual	TREPI-ACTUAL				

(5) PGA05, "Subsurface Pressure Survey" (2/2)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
8-7	Flow efficiency	TRE-FEFFIC	1 102	9 (1)V9 (3)	[Fraction]	
8	Q max	TRE-QMAX	106	9 (5)V9 (1)	[m <sup>2</sup> /d]	
9	Absolute open flow potential in case of gas	TRE-APFPG	112	9 (5)V9 (1)	[m <sup>2</sup> /d]	
9-	Pressure element	PRESS-ELEM				
1	Date of last calibration	PE-LCALIB-DT	118	X (6)	Ex. "DDMMYY"	
2	Pressure element number	PRESS-ELEM-NO	124	X (5)		
3	Type of pressure element	PRESS-ELEM-TY	2 1	X (7)		
10	Filler	FILLER	8	X (117)		
11	Batch No.	BATCH-NO	125	X (4)		

(6) PCA06, "Production Log"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)		
3	Well test and stimulation code [KEY-1]	WEL-TEST-STIM-CD	7	X(13)	"PCA06" Refer to APPENDIX IV Ex. "021M001PT0170"	
4	Run No.	RUN-NO	20	X(2)		
5	Log identification number	LOG-IDNO	22	X(10)		
6	Kind of production log	PROD-LOG-KD	32	9(1)*5	Refer to APPENDIX IV	
7	Test interval	TEST-IV	37	9(4)V9(2)	[m]	
8-	Reference report	REF-REP				
1	Title	REP-TL	43	X(100)		
2	Date	REP-DT	15	X(50)		
3	Reference No.	REP-REF-NO	65	X(6)	Ex. "DDMMYY"	
4	Author	REP-AUTHOR	71	X(20)		
5	Organization of author	REP-AUTH-ORG	91	X(30)		
9	Filler	FILLER	121	X(50)		
10	Batch No.	BATCH-NO	43	X(82)		
			125	X(4)		

(7) PCA07, "Well Stimulation"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)	"PCA07"	
2	Transaction code	TRANS-CD	2	X(5)	Refer to APPENDIX IV	
3	Well test and stimulation code [KEY-1]	WEL-TEST-STIM-CD	7	X(13)	Ex. "021M001P0170"	
4	Objective for stimulation	STIM-OB	20	9(1)	Refer to APPENDIX IV	g-3,4
5	Type of stimulation	STIM-TY	21	9(1)	Refer to APPENDIX IV	
6	Treatment interval	TREAT-IV	22	9(4)V9(1) *2		
7-	Treatment fluid	TREAT-FLUID				
1	Type	TF-TY	32	X(15)		g-3
2	Main additives	TF-MAIN-ADD	47	X(30)		
3	Volume	TF-VOL	77	9(3)V9(2)	[m <sup>3</sup> ]	
8	Summary of treatment	TREAT-SUM	82	X(20)		
9-	Well stimulation report	WELL-STIM-REP				
1	Title	WSR-TL	102	X(150)		g-3,4
2	Date	WSR-DT	2	124	X(6)	
3	Reference No.	WSR-REF-NO	3	2	X(20)	
4	Author	WSR-AUTHOR	22	X(30)	Ex. "DDMMYY"	
5	Organization of author	WSR-AUTH-ORG	52	X(50)		
6-	Production test code	PROD-TEST-CD				
1	Before	PTC-BEFORE	102	X(4)	Refer to APPENDIX IV	
2	After	PTC-AFTER	106	X(4)	Last 4 digit	
10	Filler	FILLER	110	X(15)		
12	Batch No.	BATCH-NO	125	X(14)		

1-18 PGBFLUID, "Field Laboratory Fluid Analysis"

(1)	PGB01, "Field Laboratory Fluid Analysis" .....	AV-130
(2)	PGB02, "Oil Analysis" .....	AV-131
(3)	PGB03, "Condensate Analysis" .....	AV-132
(4)	PGB04, "Gas Analysis" .....	AV-133
(5)	PGB05, "Water Analysis" .....	AV-134

(1) PCB01, "Field Laboratory Fluid Analysis"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)	"PBG01"	
2	Transaction code	TRANS-CD	2	X(5)	Refer to APPENDIX IV	
3	Analysis code [KEY-1]	ANAL-CD	7	X(6)	Ex. "OIL001"	
4	Province code	PROVINCE-CD	13	9(1)	Refer to APPENDIX IV	
5	Field code	FIELD-CD	14	X(3)	Refer to APPENDIX IV	
6	Station code	STATION-CD	17	X(6)	Refer to APPENDIX IV	
7	Well code	WELL-CD	23	X(7)	Refer to APPENDIX IV	
8	Workover number	WKOV-NO	30	9(2)		
9	Reservoir unit code	RESERV-CD	32	X(4)*10	Refer to APPENDIX IV	
10	Layer code	LAYER-CD	72	X(3)*20	Refer to APPENDIX IV	
11	Kind of sampling place	SAMPL-PLACE-KD	2	9(1)	Refer to APPENDIX IV	
12	Sampling date	SAMPL-DT	4	9(1)	Ex. "DDMMYY"	
13-	Sampling condition	SAMPL-COND	5	X(6)		
1	Pressure	SC-PRESS	11	9(4)V9(1)	[kg/cm <sup>2</sup> ]	
2	Temperature	SC-TEMP	16	9(3)V9(1)	[°]	
14	Analysis date	ANAL-DT	20	X(6)	Ex. "DDMMYY"	
15	Reference report	REF-REP				
1	Title	REP-TL	26	X(150)		
2	Date	REP-DT	3	X(6)	Ex. "DDMMYY"	
3	Reference No.	REP-REF-NO	54	X(20)		
4	Author	REP-AUTHOR	74	X(30)		
5	Organization of author	REP-AUTH-ORG	104	X(50)		
16	Filler	FILLER	4	X(99)		
17	Batch No.	BATCH-NO	125	X(4)		



(2) PCB02, "Oil Analysis"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-Id.	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)	"PCB02"	
3	Analysis code [KEY-1]	ANAL-CD	7	X(6)	Refer to APPENDIX IV Ex. "OIL001"	
4	API gravity	API-GRV	13	9(2)V9(2)	["API"]	9-5
5	API pour point	API-POUR-PNT	17	9(2)V9(2)	["°"]	"
6	Water and sediment	WAT-SEDI	21	9(3)V9(2)	["%"]	"
7	Water content	WAT-CONT	26	9(3)V9(2)	["%"]	"
8	Filler	FILLER	31	X(94)		
9	Batch No.	BATCH-NO	125	X(4)		

(2) FCD03, "Condensate Analysis"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)	"PCB03"	
3	Analysis code [KEY-1]	ANAL-CD	7	X(6)	Refer to APPENDIX IV EX. "OIL001"	
4	API gravity	API-GRV	13	9(2)V9(2)	[*API]	9-6
5	API pour point	API-POUR-PNT	17	9(2)V9(2)	(8)	"
6	Water and sediment	WAT-SEDI	21	9(3)V9(2)	(8)	"
7	Water content	WAT-CONT	26	9(3)V9(2)	(8)	"
8	Filler	FILLER	31	X(94)		
9	Batch	BATCH-NO	125	X(4)		

(4) PG304 "Gas Analysis"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)	"PG304"	
2	Transaction code	TRANS-CD	2	X(5)	Refer to APPENDIX IV	
3	Analysis code (KEY-1)	ANAL-CD	7	X(6)	EX. "OIL001"	
4	Specific gravity	SPEC-GRV	13	9(2)V9(2)	[AIR=1]	9-7
5-	Gas component	GAS-COMP				
1	H2S	GC-H2S	17	9(3)V9(2)	(% VOL)	
2	CO2	GC-CO2	22	9(3)V9(2)	(% VOL)	
3	O2	GC-O2	27	9(3)V9(2)	(% VOL)	
4	N2	GC-N2	32	9(3)V9(2)	(% VOL)	
5	Cl	GC-Cl	37	9(3)V9(2)	(% VOL)	
6	C2	GC-C2	42	9(3)V9(2)	(% VOL)	
7	C3	GC-C3	47	9(3)V9(2)	(% VOL)	
8	IC4	GC-IC4	52	9(3)V9(2)	(% VOL)	
9	nC4	GC-nC4	57	9(3)V9(2)	(% VOL)	
10	IC5	GC-IC5	62	9(3)V9(2)	(% VOL)	
11	nC5	GC-nC5	67	9(3)V9(2)	(% VOL)	
12	C6+	GC-C6+	72	9(3)V9(2)	(% VOL)	
13-	Other components	OTH-COMP		*3		
1	Name	OC-NAME	77	X(5)		
2	Percentage	OC-PERCNT	82	9(3)V9(2)	(% VOL)	
6	Gross heating value	GROS-HEATVAL	107	9(5)V9(2)	[Btu/scf]	
7	Net heating value	NET-HEATVAL	114	9(5)V9(2)	[Btu/scf]	
8	Net calorific value	NET-CALORVAL	121	9(5)V9(2)	(kg-cal/kg)	
9	Filler	FILLER	128	X(125)		
10	Batch No.	BATCH-NO	114	9(5)V9(2)	[Btu/scf]	

(5) PCB05, "Water Analysis"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)		
3	Analysis code [KEY-1]	ANAL-CD	7	X(6)	Refer to APPENDIX IV EX. "OIL001"	9-8
4-	Component	COMPONENT				
1	Na <sup>+</sup>	COM-NAP	13	9(4)V9(2)	[meq/L]	
2	K <sup>+</sup>	COM-KP	19	9(4)V9(2)	[meq/L]	
3	Ca <sup>++</sup>	COM-CAPP	25	9(4)V9(2)	[meq/L]	
4	Mg <sup>++</sup>	COM-MGPP	31	9(4)V9(2)	[meq/L]	
5	Ba <sup>++</sup>	COM-BAPP	37	9(4)V9(2)	[meq/L]	
6	Fe <sup>++</sup>	COM-FEPP	43	9(4)V9(2)	[meq/L]	
7	Cl <sup>-</sup>	COM-CLM	49	9(4)V9(2)	[meq/L]	
8	HCO <sub>3</sub> <sup>-</sup>	COM-HCO3M	55	9(4)V9(2)	[meq/L]	
9	SO <sub>4</sub> <sup>=</sup>	COM-SO4E	61	9(4)V9(2)	[meq/L]	
10	CO <sub>3</sub> <sup>=</sup>	COM-CO3E	67	9(4)V9(2)	[meq/L]	
5	Salinity	SALINITY	73	9(6)	[gm]	9-8
6	Resistivity	RESIST	79	9(2)V9(2)		"
7	PH	PH	83	9(3)V9(2)	[ppm]	"
8	Scaling Index	SCALING-IX	88	9(3)V9(2)	[ppm <sup>2</sup> ]	"
9	Suspended solid	SUSP-SOL	93	9(6)		
10	Dissolved solid	DISSOL-SOL	99	9(6)		
11	Filler	FILLER	105	X(20)		
12	Batch No.	BATCH-NO	125	X(4)		

PAGE

1-19 PHASTATN, "Station"

(1)	PHA01, "Station" .....	AV-136
(2)	PHA02, "Station Modification" .....	AV-138
(3)	PHA03, "Equipment in Station" .....	AV-139
(4)	PHA04, "Station Reference" .....	AV-140
(5)	PHA05, "Well Reference" .....	AV-141

(1) PHA01, "Station" (1/2)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Undate-id	UID	1	X(1)	"PHA01"	
2	Transaction code	TRANS-CD	7	X(5)	Refer to APPENDIX IV	
3	Station code [KEY-1]	STATION-CD	7	X(6)	Refer to APPENDIX IV	
4	Province code	PROVINCE-CD	13	9(1)	Refer to APPENDIX IV	
5	Field office	FLDOFFICE-CD	14	9(1)	Refer to APPENDIX IV	
6	Date of station delivery	STA-DLV-DT	15	X(4)	Ex. "MMYY"	
7	Date of operation start-up	OPSTUP-DT	19	X(4)	Ex. "MMYY"	
8	Location name	LOCATION-NM	23	X(50)		
9-	Function and capacity	FUNG-CAPAC		*5		
1	Main function	MAIN-FUNC	73	9(2)		
2	Design capacity	DESIGN-CAPAC	75	9(8)*3		
10-	Document	DOCMT		*5	Meaning of index	
1	Title	DO-TL	75	X(60)	1. Flow diagram	
2	Date	DO-DT	7	X(6)	2. Plot plan	
3	Indent No.	DO-IDNO	13	X(9)	3. Drawing of piping	
11-	Station cost	STATION-CT		*9	4. Order document	
					5. Invoice	
					Meaning of index	
					(1-4 ... PERTAMINA cost	
					Sv9 ... Contractor cost)	
					1. Materials	
					2. Wages	
					3. Rental	
					4. Sundries	
					5. Materials	

(1) PHAOL, "Station" (2/2)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
11-1 2	Rp USS	STATION-RP-CT STATION-US-CT	5 66 76	9(10) 9(8)	6. Construction 7. Mobilization 8. Engineering 9. Sundries [Rp] [USS]	
12 13	FILLER Batch No.	FILLER BATCH-NO	6 100 125	X(25) X(4)		

(2) PHA02, "Station Modification"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)	"PHA02"	
2	Transaction code	TRANS-CD	2	X(5)	Refer to APPENDIX IV	
3	Station code	STATION-CD	7	X(6)		
4	Modification No. [KEY-1]	MOD-NO	13	9(3)		
5	Modification No. [KEY-2]	MOD-NO	16	X(12)	Ex. "DDMMYYDDMMYY"	
6-	Modification period	MOD-PP				
	Executor	EXECUTOR				
1	Kind of organization	EX-ORG-XD	28	9(1)*2		
2	Name of organization	EX-ORG-NM	30	X(30)		
7-	Modification cost	MOD-CT				
1	Rp	MOD-RP-CT	60	9(10)	[Rp]	
2	US\$	MOD-US-CT	70	9(8)	[US\$]	
8-	Document	DOCUM		*3	Meaning of index	
					1. Invoice	
					2. Order document	
					3. Report	
1	Title	DOCUM-TL	78	X(60)		
2	Date	DOCUM-DT	2	10	X(6)	
3	Indent No.	DOCUM-IDNO	16	X(9)		
9	Filler	FILLER	3	47	X(78)	
10	Batch No.	BATCH-NO	125	X(4)	Ex. "DDMMYY"	



(3) PHA03, "Equipment in Station"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-Id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)		
3	Station code [KEY-1]	STATION-CD	7	X(6)		
4	Equipment code [KEY-2]	EQU-CD	13	X(5)*20	Refer to APPENDIX IV	
5	Filler	FILLER	113	X(12)	Refer to APPENDIX IV	
6	Batch No.	BATCH-NO	125	X(4)		

(4) PHA04, "Station Reference"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)		
3	Station code (KEY-1)	STATION-CD	7	X(6)	"PHA04"	
4-	Station information	STATION-INF		*10	Refer to APPENDIX IV	
1	Station code (KEY-2)	SI-STATION-CD	13	X(6)	Refer to APPENDIX IV	
5	Filler	FILLER	73	X(52)		
6	Batch No.	BATCH-NO	125	X(4)		

(5) PHA05, "Well Reference"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)		
2	Transaction code	TRANS-CD	2	X(5)		
3	Station code	STATION-CD	7	X(6)	"PHA05" Refer to APPENDIX IV	
4-	Well information	WELL-INF		*10		
1	Well code	WI-WELL-CD	13	X(7)	Refer to APPENDIX IV	
5	Filler	FILLER	89	X(42)		
6	Batch No.	BATCH-NO	125	X(4)		

1-20 PHBEQUIP, "Equipment"

(1)	PHB01, "Equipment" .....	AV-143
(2)	PHB02, "Equipment Maintenance" .....	AV-152

(1) PHB01, "Equipment" (1/9)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)	"PHB01"	
2	Transaction code	TRANS-CD	2	X(5)	Refer to APPENDIX IV	
3	Equipment code (KEY-1)	EQU-CD	7	X(5)	EX. "SPOOL"	
4	Province code	PROVINCE-CD	12	9(1)	Refer to APPENDIX IV	
5	Field office code	FLDOFFICE-CD	13	9(1)	Refer to APPENDIX IV	
6	Station code	STAT-CD	14	X(6)	Refer to APPENDIX IV	
7	System code	SYSTEM-CD	20	X(2)	Refer to APPENDIX IV	
8	Equipment popular name	EQU-POP-NM	22	X(20)		
9	Equipment object No.	EQU-OBNO	42	X(7)		
10	Manufacturer code	MANUFAC-CD	49	X(5)	Refer to APPENDIX IV	
11	Date of installation	INST-DT	54	X(4)	EX. "MMYY"	
12	Date of writing-off	WRIT-OFF-DT	58	X(4)	EX. "MMYY"	
13	Code of equipment associated	EQU-ASS-CD	62	X(5)		
14-	Equipment cost	EQU-CF				
1	Rp	EQU-RP-CT	67	9(10)		
2	USS	EQU-US-CT	77	9(8)		
15-	Document	DOCUM		*3	Meaning of index 1. Invoice 2. Order document 3. Drawing	
1	Title	DOCUM-TL	85	X(60)		
2	Date	DOCUM-DT	2	X(6)	EX. "DDMMYY"	
3	Indent No.	DOCUM-IDNO	23	X(9)		
16-	Specification in case of separator					
1	Type of vessel	TY-KD	3	9(1)	Refer to APPENDIX IV	
2	Model name	MODEL-NM	55	X(20)		
3	Name of fluid treated	FLUID-NM	75	X(30)		
4	Volume of vessel	VOL	105	9(3)V9(1)	[m <sup>3</sup> ]	

(1) PNB01, "Equipment" (2/9)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
16-5-	Flow rate of fluid	FLUIDR-FRATE				
1	Liquid	FRR-LOD	3	9(4)V9(1)	[m <sup>3</sup> /d]	
2	Gas	FRR-GAS	114	9(8)	(std m <sup>3</sup> /d)	
6	Design pressure	DES-PRESS	122	9(3)V9(1)	(kg/cm <sup>2</sup> G)	
7	Dimension	DIMEN	126	X(40)	OD x S-S x WT	
17-	Specification in case of vessel tank					
1	Type of vessel	TY-XD	54	9(1)	Refer to APPENDIX IV	
2	Model name	MODEL-NM	55	X(20)		
3	Name of fluid stored	FLUID-NM	75	X(30)		
4	Volume of vessel	VOL	105	9(3)V9(1)	[m <sup>3</sup> ]	
5	Design pressure	DES-PRESS	109	9(3)V9(1)	(kg/cm <sup>2</sup> G)	
6	Dimension	DIMEN	113	X(40)	OD x S-S x WT	
18-	Specification in case of absorber					
1	Kind of absorber	TY-XD	54	9(1)	Refer to APPENDIX IV	
2	Model name	MODEL-NM	55	X(20)		
3	Name of fluid treated *1	FLUID-NM	75	X(30)	*1: Fluid treated for sweetening or dehydration	
4	Flow rate of fluid treated *1	FLUIDR-FRATE	105	9(8)	[kg/h]	
5-	Flow rate of matter absorbed	MATTERA-FRATE				
1	H <sub>2</sub> S	FR-H2S	113	9(5)	[kg/h]	
2	CO <sub>2</sub>	FR-CO2	118	9(5)	[kg/h]	
3	H <sub>2</sub> O	FR-H2O	123	9(5)	[kg/h]	
6	Flow rate of absorbent solution	ABSOL-FRATE	128	9(5)	[L/min]	
7	Design pressure	DES-PRESS	4	5	9(3)V9(1)	(kg/cm <sup>2</sup> G)
8	Dimension	DIMEN	9	X(40)		

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
19-	Specification in case of stripper					
1	Kind of adsorbent	TY-KD	54	9(1)	Refer to APPENDIX IV	
2	Model name	MODEL-NM	55	X(20)		
3	Name of fluid treated *1	FLUID-NM	75	X(30)		
4	Flow rate of fluid treated *1	FLUIDT-FRATE	105	9(8)		
5-	Flow rate of fluid stripped	FLUIDS-FRATE				
1	H <sub>2</sub> S	FR-H2S	113	9(5)	(kg/h)	
2	CO <sub>2</sub>	FR-CO2	118	9(5)	(kg/h)	
3	H <sub>2</sub> O	FR-H2O	123	9(5)	(kg/h)	
6	Flow rate of absorbent solution	ABSOL-FRATE	128	9(5)	[ $\frac{1}{2}$ /min]	
7	Design pressure	DES-PRESS	4	5	[kg/cm <sup>2</sup> G]	
8	Dimension	DIMEN	9	X(40)	OD X S-S X WT	
20-	Specification in case of filter					
1	Type of filter	TY-KD	54	9(1)	Refer to APPENDIX IV	
2	Model name	MODEL-NM	55	X(20)		
3	Name of fluid treated	FLUID-NM	75	X(30)		
4-	Flow rate of fluid treated	FLUIDT-FRATE				
1	Liquid	FFR-LQD	105	9(6)	(m <sup>3</sup> /d)	
2	Gas	FFR-GAS	111	9(8)	[std m <sup>3</sup> /d]	
5	Solid name and solid concentration	SOLID-NM	119	X(40)		
6	Design pressure	DES-PRESS	4	31	[kg/cm <sup>2</sup> G]	
7	Dimension	DIMEN	35	X(40)	OD X S-S X WT	
21-	Specification in case of adsorber					
1	Kind of adsorbent	TY-KD	54	9(1)	Refer to APPENDIX IV	
2	Model name	MODEL-NM	55	X(20)		
3	Name of fluid treated	FLUID-NM	75	X(30)		
4	Flow rate of fluid treated	FLUIDT-FRATE	105	9(8)		

(1) PHB01, "Equipment" (4/9)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
21-S-	Flow rate of fluid adsorbed	FLUIDA-FRATE				
1	H <sub>2</sub> S	FR-H2S	3 113	9(5)	[kg/h]	
2	CO <sub>2</sub>	FR-CO2	118	9(5)	[kg/h]	
6	Design pressure	DES-PRESS	123	9(3)V9(1)	[kg/cm <sup>2</sup> G]	
7	Dimension	DIMEN	127	X(40)	OD x S-S x WT	
22-	Specification in case of storage tank					
1	Type of storage tank	TY-KD	3 54	9(1)	Refer to APPENDIX IV	
2	Method of plate combination	PLCOMB-METH	55	9(1)	Refer to APPENDIX IV	
3	Model name	MODEL-NM	56	X(20)		
4	Name of fluid stored	FLUID-NM	76	X(30)		
5	Volume of tank	VOL	106	9(6)V9(1)	[m <sup>3</sup> ]	
6	Design pressure	DES-PRESS	113	9(3)V9(1)	[cm H <sub>2</sub> O]	
7	Dimension	DIMEN	117	X(40)	OD x S-S x WT	
23-	Specification in case of heat exchanger					
1	Type of heat exchanger	TY-DX	3 54	9(1)	Refer to APPENDIX IV	
2	Model name	MODEL-NM	55	X(20)		
3-	Design of two fluid sides	TFSIDE-DES		*2	Meaning of indexed: 1. High temperature side 2. Low temperature side	
1	Name of fluid exchanged heat	FLUID-NM	75	X(20)		
2	Design flow rate	DES-FRATE	95	9(5)	[m <sup>3</sup> /h]	
3	Design pressure	DES-PRESS	100	9(3)V9(1)	[kg/cm <sup>2</sup> G]	
4	Thermal duty	THERM-DUTY	4 5	9(8)	[kcal/h]	
5	Heating surface area	HSUF-AREA	13	9(4)V9(1)	[m <sup>2</sup> ]	
6	Dimension	DIMEN	18	X(40)	OD x S-S x WT	
24-	Specification in case of fired heater					
1	Type of fired heater	TY-KD	3 54	9(1)	Refer to APPENDIX IV	



(1) PHS01. "Equipment" (5/9)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
24-2	Model name	MODEL-NM	3	X(20)		
3	Name of fluid heated	FLUID-NM	55	X(30)		
4	Design flow rate	DES-FRATE	105	9(5)	[m <sup>3</sup> /h]	
5	Design pressure	DES-PRESS	110	9(3)V9(1)	[kg/cm <sup>2</sup> G]	
6	Thermal duty	THERM-DUTY	114	9(8)	[kcal/h]	
7	Heating surface area	HSUF-AREA	122	9(4)V9(1)	[m <sup>2</sup> ]	
8	Name of fuel	FUEL-NM	127	X(30)		
9	Dimension	DIMEN	4	29	X(40)	width x length x height
25-	Specification in case of refrigerator					
1	Type of refrigerator	TY-KD	3	54	9(1)	Refer to APPENDIX IV
2	Model name	MODEL-NM	55	X(20)		
3	Name of fluid chilled	FLUID-NM	75	X(30)		
4	Design flow rate (brine)	DES-FRATE	105	9(3)V9(1)	[m <sup>3</sup> /h]	
5	Design pressure	DES-PRESS	109	9(3)V9(1)	[kg/cm <sup>2</sup> G]	
6	Thermal duty	THERM-DUTY	113	9(8)	[kcal/h]	
7	Name of refrigerant	REFRI-NM	121	X(30)		
8	Total power	POWER	4	23	9(4)V9(1)	[kW] (of all machinery)
9	Installation area size	INST-AREA-S2	28	X(30)	(width x length)	
26-	Specification in case of pump					
1	Type of pump	TY-KD	3	54	9(1)	Refer to APPENDIX IV
2	Model name	MODEL-NM	55	X(20)		
3	Name of fluid pumped	FLUID-NM	75	X(30)		
4	Flow rate	FRATE	105	9(5)V9(3)	[m <sup>3</sup> /h]	
5	Total difference heat	TDIFF	113	9(3)V9(1)	[kg/cm <sup>2</sup> ]	
6	Power	POWER	117	9(4)V9(1)	[kW]	[rpm] or [spm]
7	Speed	SPEED	122	9(5)		width x length x height
8	Dimension	DIMEN	127	X(40)		

(1) PUB01, "Equipment" (6/9)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
27-	Specification in case of compressor					
1	Type of compressor	TY-KD	3 54	9(1)	Refer to APPENDIX IV	
2	Model name	MODEL-NM	55	X(20)		
3	Name of fluid compressed	FLUID-NM	75	X(30)		
4	Flow rate	FRATE	105	9(7)	[std m <sup>3</sup> /h]	
5	Total difference pressure	TDIFF	112	9(3)V9(1)	[kg/cm <sup>2</sup> ]	
6	Power	POWER	116	9(4)V9(1)	[KW]	
7	Speed	SPEED	121	9(5)	[rpm] or [spm]	
8	Dimension	DIMEN	126	X(40)	width x length x height	
28-	Specification in case of generator					
1	Type of generator	TY-KD	3 54	9(1)	Refer to APPENDIX IV	
2	Model name	MODEL-NM	55	X(20)		
3	Object of service	SERV-OB	75	X(30)		
4	Output capacity	POWER	105	9(5)	[KVA]	
5	Voltage	VOLTAGE	110	9(4)	[V]	
6	Phase	PHASE	114	9(1)		
7	Frequency	FREQ	115	9(2)	[Hz]	
8	Dimension	DIMEN	117	X(40)	width x length x height	
29-	Specification in case of fan or blower					
1	Type of fan of blower	TY-KD	3 54	9(1)	Refer to APPENDIX IV	
2	Model name	MODEL-NM	55	X(20)		
3	Name of fluid blown	FLUID-NM	75	X(30)		
4	Flow rate	FRATE	105	9(7)	[std m <sup>3</sup> /h]	
5	Total difference head	TOTAL-DIFF-HEAD	112	9(4)V9(1)	[cm H <sub>2</sub> O]	

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
29-5	Power	POWER	3	9(4)V9(1)	[kW]	
7	Speed	SPEED	122	9(5)	[rpm]	
8	Dimension	DIMEN	127	X(40)	width x length x height	
30-	Specification in case of agitator					
1	Type of agitator	TY-KD	54	9(1)	Refer to APPENDIX IV	
2	Model name	MODEL-NM	55	X(20)		
3	Name of fluid mixed	FLUID-NM	75	X(30)		
4	Volume of vessel or tank/ each agitator	VOL	105	9(5)	[m <sup>3</sup> /each]	
5	Power	POWER	110	9(3)	[kW]	
6	Speed	SPEED	113	9(5)	[rpm]	
7	Dimension	DIMEN	118	X(40)	(agitator dia x shaft length)	
31-	Specification in case of electric motor					
1	Type of motor	TY-KD	54	9(1)	Refer to APPENDIX IV	
2	Model name	MODEL-NM	55	X(20)		
3	Object of service	SERV-OB	75	X(30)		
4	Power	POWER	105	9(5)	[kW]	
5	Speed	SPEED	110	9(5)	[rpm]	
6	Voltage	VOLTAGE	115	9(4)	[V]	
7	Phase	PHASE	119	9(1)		
8	Frequency	FREQ	120	9(2)	[Hz]	
9	Insulation	INSL	122	X(30)		
10	Dimension	DIMEN	4	24	X(40)	width x length x height
32-	Specification in case of ignition engine					
1	Type of engine	TY-KD	3	54	9(1)	Refer to APPENDIX IV

(1) PHB01, "Equipment" (8/9)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
32-2	Model name	MODEL-NM	3	55 X(20)		
3	Object of service	SERV-OB	75	X(30)		
4	Power	POWER	105	9(4)V9(1)	[kW]	
5	Speed	SPEED	110	9(5)	[rpm]	
6	Name of fuel	FUEL-NM	115	X(30)		
7	Dimension	DIMEN	17	X(40)	width x length x height	
33-	Specification in case of steam engine					
1	Type	TY-KD	3	54 9(1)	No. of cylinder	
2	Model name	MODEL-NM	55	X(20)		
3	Object of service	SERV-OB	75	X(30)		
4	Power	POWER	105	9(4)V9(1)	[kW]	
5	Speed	SPEED	110	9(5)	[rpm] or [spm]	
6	Steam pressure	STEAM-PRESS	115	X(30)		
7	Dimension	DIMEN	17	X(40)	width x length x height	
34-	Specification in case of gas turbine					
1	Type of gas turbine	TY-KD	3	54 9(1)	Refer to APPENDIX IV	
2	Model name	MODEL-NM	55	X(20)		
3	Object of service	SERV-OB	75	X(30)		
4	Power	POWER	105	9(5)	[kW]	
5	Speed	SPEED	110	9(5)	[rpm]	
6	Name of fuel	FUEL-NM	115	X(30)		
7	Dimension	DIMEN	17	X(40)	width x length x height	
35-	Specification in case of steam turbine					
1	Type of steam turbine	TY-KD	3	54 9(1)	Refer to APPENDIX IV	
2	Model name	MODEL-NM	55	X(20)		

(1) PHS01, "Equipment" (9/9)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
35-3	Objective of service	SERV-OB	3	X(30)		
4	Power	POWER	75	X(30)	[kw]	
5	Speed	SPEED	105	9(6)	[rpm]	
6	Steam pressure	STEAM-PRESS	111	9(5)		
7	Dimension	DIMEN	116	X(30)	width x length x height	
36-	Specification in case of fire fighting system		18	X(40)		
1	Type of fire fighting system	TY-KD	54	9(1)	Refer to APPENDIX IV	
2	Model name	MODEL-NM	55	X(20)		
3-	Object of fire fighting	FFIGHT-OB				
1	Kind of fire	FIRE-KD	75	X(30)		
2	Area	AREA	105	X(100)		
4	Justification	JUSTIFIC	77	X(30)		
5	Fire fighting media	FFIGHT-MEDIA	107	X(40)		
6	Discharge nozzle or connection	DNOZZLE-CONNECT	19	X(80)	Ex. Air foam chamber, foam generator and foam hydrant	
7-	Design flow rate/system	DES-TRATE-SYS				
1	Liquid	DS-LQD	99	9(5)	[l/min]	In case of from extinguishing system, use flow rate of solution
2	Power or gas	DS-POW-GAS	104	9(5)	[kg/min]	
8	Duration of discharge corresponding to design flow rate	DDCS-DES-FRATE	109	9(3)V9(2)	[min]	
37	Filler	FILLER	114	X(11)		
38	Batch No.	BATCH-NO	125	X(4)		

(2) PHB02, "Equipment Maintenance"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID-	1	X(1)	"PHB02"	
2	Transaction code	TRANS-CD	2	X(5)	Refer to APPENDIX IV	
3	Equipment code [KEY-1]	EQU-CD	7	X(5)	Ex. "DDMMYYDDMMYY"	
4	Maintenance No. [KEY-2]	MAINT-NO	12	9(3)		
5	Work period	WK-PP	15	X(12)		
6-	Executor	EXECUTOR				
1	Kind of organization	EX-ORG-KD	27	9(1)*2	Refer to APPENDIX IV	
2	Name of organization	EX-ORG-NM	29	X(30)		
7-	Kind of work	WK-KD				
1	Kind of inspection	WK-INSPEC-KD	59	9(2)*3	Refer to APPENDIX IV	
2	Kind of repair	WK-REPAIR-KD	65	9(1)	Refer to APPENDIX IV	
8	Result of inspection	INSPEC-RESUL	66	9(1)	Refer to APPENDIX IV	
9-	Maintenance cost	MAINT-CT				
1	Rp	MAINT-RP-CT	67	9(10)	[Rp]	
2	USS	MAINT-US-CT	7	9(8)	[USS]	
10-	Report	REP				
1	Title	REP-TL	85	X(60)		
2	Date	REP-DT	2	17	X(6)	Ex. "DDMMYY"
3	Ident No.	REP-IDNO	23	X(9)		

1-21 PIAPIPLN, "Pipeline"

- (1) PIA01, "Pipeline" ..... AV-154
- (2) PIA02, "Pipeline Maintenance" ..... AV-156

(1) PIA01, "Pipeline" (1/2)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID-	1	X(1)	"PIA01"	
2	Transaction code	TRANS-CD	2	X(5)	Refer to APPENDIX IV	
3	Pipeline code	PIP-CD	7	X(8)	Refer to APPENDIX IV	
4	Province code	PROVINCE-CD	15	9(1)	Refer to APPENDIX IV	
5	Field office code	FLDOFFICE-CD	16	9(1)	Refer to APPENDIX IV	
6-	Starting point	START-PNT				
1	Station code	SP-STATION-CD	16	X(6)	Refer to APPENDIX IV	
2	Well code	SP-WELL-CD	23	X(7)	Refer to APPENDIX IV	
7	Date of installation	INST-DT	30	X(4)	Ex. "MMYY"	
8	Date of writing-off	WRIT-OFF-DT	34	X(4)	Ex. "MMYY"	
9	Objective at installation	INST-OB	38	9(1)	Refer to APPENDIX IV	
10-	Major data of pipeline	PIP-MAJDATA				
1	Nominal size	PMD-NOM-SZ	39	9(2)V9(3)	[in]	
2	Length of pipeline	PMD-PIPLN	44	9(6)	[m]	
3	Design Pressure	PMD-DES-PRESS	50	9(4)V9(1)	[kg/cm <sup>2</sup> G]	
11-	Line pipe	LINE-PIP				
1	Kind of linepipe	LP-KD	55	9(2)	Refer to APPENDIX IV	
2	Specification	LP-SPEC	57	X(30)		
12	Type of connection	CONNECT-TY	87	9(1)*2	Refer to APPENDIX IV	
13	Type of valve	VALVE-TY	89	9(2)*3	Refer to APPENDIX IV	
14-	Document	DOCUM		*3	Meaning of index	
					1. Drawing	
					2. Invoice	
					3. Order document	
1	Title	DOCUM-TL	95	X(60)		
2	Date	DOCUM-DT	27	X(6)	Ex. "DDMMYY"	
3	Ident. No.	DOCUM-IDNO	33	X(9)		



(1) PIA01, "Pipeline" (2/2)

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
15-	Executor	EXECUTOR				
1	Kind of organization	EX-ORG-KD	3 64	9(1)*2	Refer to APPENDIX IV	
2	Name of organization	EX-ORG-NM	66	X(30)	Meaning of index	
16-	Pipeline cost	PIP-CT		*9	(1 ~ 4 ... PERTAMINA Cost 5 ~ 9 ... Contractor Cost)	
					1. Material	
					2. Wages	
					3. Rental	
					4. Sundries	
					5. Material	
					6. Construction	
					7. Mobilization	
					8. Engineering	
					9. Sundries	
1	RP	PIP-RP-CT	96	9(10)	[Rp]	
2	US\$	PIP-US-CT	106	9(8)	[US\$]	
17	FILLER	FILLER	5	X(123)		
18	Batch No.	BATCH-NO	125	X(14)		

(2) PIA02, "Pipeline Maintenance"

Item No.	Item Name	Field name	Position	Properties	Remarks	Source Document
1	Update-id	UID	1	X(1)	"PIA02"	
2	Segment-id	SID	2	X(5)	Refer to APPENDIX IV	
3	Pipeline code	PIP-CD	7	X(8)	Refer to APPENDIX IV	
4	Maintenance No.	MAINT-NO	15	9(2)	Ex. "DDMMYYDDMMYY"	
5	Work period	WK-PP	17	X(12)		
6-	Kind of work	WK-KD				
1	Kind of inspection	WK-INSPEC-KD	29	9(2)*3	Refer to APPENDIX IV	
2	Kind of repair	WK-REPAIR-KD	35	9(1)	Refer to APPENDIX IV	
7-	Excutor	EXCUTOR				
1	Kind of organization	EX-ORG-KD	36	9(1)*2	Refer to APPENDIX IV	
2	Name of organization	EX-ORG-NM	38	(30)		
8	Position of pipeline inspected and/or repaired	PIP-POSIT	68	X(100)		
9	Result of inspection	INSPEC-RESUL	2	9(1)	Refer to APPENDIX IV	
10-	Document	DOCUM	40	*3	Meaning of index	
					1. Report	
					2. Invoice	
					3. Order document	
1	Title	DOCUM-TL	41	X(60)		
2	Date	DOCUM-DT	101	X(6)		
3	Ident. No.	DOCUM-ID-NO	107	X(9)		
11-	Maintenance cost	MAINT-CT				
1	Material Rp	MCT-MRP	4	10	[Rp]	
2	Material USS	MCT-MUS	20	9(8)	[USS]	
3	Work Rp	MCT-WRP	28	9(10)	[Rp]	
4	Work USS	MCT-WUS	38	9(8)	[USS]	
12	Filter	FILLER	46	X(79)		
13	Batch No.	BATCH-NO	125	X(4)		