

STANDARD DATA MANAGEMENT PLAN (DMP) WELLS

This Standard DMP covers the data submission requirements for the specified well.

Instructions

Please follow these instructions.

Section 1 General Information

- Complete all questions in Section 1.

Section 2 Data Management

- Carefully read Section 2. **Do not change Section 2.**
- If Section 2 is changed (ie. any additions, omissions or alterations) then the DMP is null and void.

Section 3 Holder's Agreement

- Complete Section 3. Suggested changes to Section 2 can be outlined in Section 3.
- The holder's agreement to the DMP, subject to any changes, is indicated in Section 3.
- Submit the DMP to the Designated Authority.

Section 4 Designated Authority's Agreement

- Do not fill in Section 4.
- The Designated Authority indicates acceptance in this section.
- If the Designated Authority is unable to accept this DMP, it will notify the holder in writing giving reasons for the decision.
- The DMP commences on the day the Designated Authority accepts it.
- A copy of the approved DMP will be supplied to the holder.

Thank you for your consideration and cooperation.

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SECTION 1 GENERAL INFORMATION

Instructions:

- **Complete all questions in Section 1.**

Holder(s):

Company responsible for the data (including submission of the data to the Designated Authority):

Contact Person (provide name, title and contact details):

Date:

Activity (describe each activity to which the DMP relates):

State:

Basin:

Permit:

Description of each location for each activity (or enclose map):

Period of the activity:

The persons undertaking the activity*:

The techniques and equipment used to collect, process and interpret the data*:

Nominated address(es) for securing and storage of data:

Any other information that is reasonably necessary to demonstrate that this DMP complies with the Petroleum (Submerged Lands) (Data Management) Regulations 2004 as amended by the Petroleum (Submerged Lands) (Data Management) Amendment Regulations 2007 (No.1):

* Please note: It is acceptable for the DMP to refer to other documents. Eg. "See drilling programme" or "See survey application". If these document have not yet been submitted it should be stated that they will be provided in the future. Eg. A drilling programme will be submitted closer to the well spud date and will refer to this DMP". Such documents should also refer back to the DMP. Eg. "This drilling programme contains data that was required by but could not be provided in the DMP". Acceptance of the DMP does not imply that these documents have also been accepted.

SECTION 2 DATA MANAGEMENT

Instructions:

- **Carefully read Section 2. Do not change Section 2.**

- If Section 2 is changed (ie. any additions, omissions or alterations) then the DMP is null and void.

PART 1 STATEMENTS

101 A description of each activity to which the DMP relates and each location at which each activity will be carried out is given in Section 1 of this document.

102 A description of the reports and information, relevant to the activity, that the holder will make is given in Section 2 Part 2 and Section 2 Part 3 of this document. None of these reports and information will be kept (that is, not submitted to the Designated Authority).

103 The holder will give all the information listed in Section 2 Part 2 and Section 2 Part 3 of this document to the Designated Authority without a request by the Designated Authority. The holder will only keep (that is, not submit to the Designated Authority) information not specified in these parts.

104 The media and formats in which information, cores, cuttings or samples will be held is described in Section 2 Part 2 and Section 2 Part 3 of this document.

105 The media and formats described in Section 2 Part 2 and Section 2 Part 3 of this document are in accordance with the Guidelines for data submission required under Western Australia and Commonwealth petroleum legislation: Version 2 (2006).

106 The holder undertakes to allow reasonable access to any data that is made publicly available under the Petroleum (Submerged Lands) Act 1967 or the Petroleum (Submerged Lands) (Data Management) Regulations 2004 as amended by the Petroleum (Submerged Lands) (Data Management) Amendment Regulations 2007 (No.1). The holder will allow access to the data upon notification by the Designated Authority.

107 The holder will make arrangements to ensure that information is stored and preserved according to good archival practice. The storage of data will meet archival principles as stated in the Guidelines for data submission required under Western Australia and Commonwealth petroleum legislation: Version 2 (2006) and as recommended by the Australian Archives.

108 The holder will give reports and information in accordance with the timetables proposed in Section 2 Part 2 and Section 2 Part 3 of this document.

109 The data management performance objectives against which performance by the holder in managing the data is to be measured is that all data will be stored and submitted to the Designated Authority according to the conditions set out in this DMP. The measurement criteria that defines those objectives is that the environmental conditions of the archives will be monitored and the submission of data will be recorded.

110 The measurement criteria will confirm that the performance objectives are being met because monitoring environmental conditions will show that archival conditions meet archival principles as stated in the Guidelines for data submission required under Western Australia and Commonwealth petroleum legislation: Version 2 (2006) and as recommended by the Australian Archives. The data submission records will demonstrate abidance with the timetables in Section 2 Part 2 and Section 2 Part 3 of this document.

111 All documents and records will be stored in secure storage areas at the address(es) nominated in Section 1 of this document. The documents and records will be secured and maintained according to the archival principles as stated in the Guidelines for data submission required under Western Australia and Commonwealth petroleum legislation: Version 2 (2006) and as recommended by the Australian Archives so that retrieval of documents and other records is reasonably practicable.

112 The holder is responsible for the collection, storage and submission of information, cores, cuttings and samples obtained during the activity, until all the information, cores, cuttings and samples are submitted to the Designated Authority.

113 Any other information that is reasonable necessary to demonstrate that the DMP complies with the Petroleum (Submerged Lands) (Data Management) Regulations 2004 as amended by the Petroleum (Submerged Lands) (Data Management) Amendment Regulations 2007 (No.1) is given in Section 1 of this document.

PART 2 PROGRESS REPORTS

201 Daily report (Wells)

A report will be given about drilling operations carried out on a day.

The report will include:

- (a) the name of the well; and
- (b) the drilled depth; and
- (c) the work carried out; and
- (d) the lithology of formations penetrated; and
- (e) any indication of petroleum; and
- (f) a summary of material usage; and
- (g) a leak off test summary; and
- (h) hole geometry; and
- (i) results of surveys made in the well bore; and
- (j) estimated daily and cumulative well costs.

One report in each week will include a rig inspection report.

A daily report will be given not later than midday on the day after the day to which the report relates.

2 copies of the report will be given to the Designated Authority.

The media, format and the address(es) used for the submission of these copies will be in accordance to any instructions given by the Designated Authority.

PART 3 DATA SUBMISSION TABLES

TABLE 1: WELL DATA

DATA REQUIRED	REPORT TYPE	FORMAT	DATA FOR STATE GOVT. (DA)	DATA FOR FEDERAL GOVT. (GA)	DATE FOR SUBMISSION (prior to or by)	REMARKS
Field and processed digital data						
Edited* field data and processed data for all wireline logs, MWD or LWD tools. Includes well test raw data.	Documentary	LIS, DLIS, LAS	One copy	Data to be forwarded to GA by DA	6 months after completion of the well	With verification listing of the data supplied. The data shall include full header information.
Edited* field and processed data for borehole deviation surveys.	Documentary	LIS, DLIS, ASCII, LAS, XLS	One copy	Data to be forwarded to GA by DA	6 months after completion of the well	The data shall include full header information.
Interpretative log analysis	Derivative	LIS, DLIS, ASCII, LAS, XLS	One copy	One copy	6 months after completion of the well	The data shall include full header information.
Mud logging data	Documentary	ASCII, LAS	One copy	Data to be forwarded to GA by DA	6 months after completion of the well	With a header giving field names, curve names and units of measure.
Velocity surveys -raw -processed -checkshot and time/depth analysis	Documentary	DLIS, SEGY, ASCII (Checkshot data)	One copy	Data to be forwarded to GA by DA	6 months after completion of the well	To include verification header file.
Core, side wall core natural light photography - UV light to be done in fluorescent sections	Documentary	JPEG, PNG, TIF	One copy	One copy	6 months after completion of the well	Provide minimum 300 DPI image in 24-bit colour. High-resolution images able to be magnified (zoom in) without pixilation.
Samples						
Ditch cuttings	Petroleum Mineral Sample		One set	One set	6 months after completion of the well	A minimum of 200g dry weight per sample interval set and thoroughly cleaned, dried and suitably packaged with indelible printing of well name and depth ranges.
Full hole conventional cores (if cut)	Petroleum Mineral Sample		2/3 slab	1/3 slab	2/3 slab to DA: 12 months after completion of the well or as agreed 1/3 slab to GA: 6 months after completion of the well	Fresh core slabbled vertically.

Gaseous hydrocarbon samples (in an API approved safety container)	Petroleum Mineral Sample		GA to advise DA of receipt	To be submitted to GA	On completion of test	If collected from wireline, drill stem or production tests. Consultation with GA recommended. (300 cc if available).
Fluid hydrocarbon samples (in an API approved safety container)	Petroleum Mineral Sample		GA to advise DA of receipt	To be submitted to GA	6 months after completion of the well or after collection of sample	If collected from wireline, drill stem or production tests. Consultation with GA recommended. (1ltr if available).
Sidewall core material (if recovered)	Petroleum Mineral Sample		One set	No	12 months after completion of the well	
Palynological slides and residues, Palaeontological material and Petrological slides	Petroleum Mineral Sample		One set	No	12 months after completion of the well	If prepared.
Reports and images						
Well Completion Report separated into: Documentary data		PDF	One copy	One copy	6 months after completion of the well	Basic and interpretive volumes must be separated. Security free. Image files included in reports also submitted as separate JPEG or TIF files. Security free. Image files included in reports also submitted as separate JPEG or TIF files.
Derivative data		PDF	One copy	One copy	12 months after completion of the well	
Log displays.	Documentary	PDS, META, PDF	One copy	Data to be forwarded to GA by DA	6 months after completion of the well	Software to be provided. Continuous page at a readable scale.
Mudlog	Documentary	TIF, PDF	One copy	One copy	6 months after completion of the well	Continuous page at a readable scale.
Well index sheet	Derivative	PDF	One copy	One copy	12 months after completion of the well	Example to be provided.
Petrophysical, geochemical or other sample analyses	Documentary	ASCII, XLS	One copy	One copy	12 months after completion of the well	As a tab delimited ASCII file with metadata included.
Composite well log	Derivative	TIF, JPEG	One copy	One copy	12 months after completion of the well	
Velocity log displays	Documentary	TIF, JPEG	One copy	One copy	6 months after completion of the well	
Special Study Submission Requirements						
Workover/re-entry report	Documentary	PDF	One copy	One copy	6 months after completion of the well	Documentary and derivative volumes Separated. Image files included in reports also submitted as separate JPEG or TIF files.

Reports on investigation, analysis, etc. of cuttings or cores and reports on any overseas investigation of cuttings or core plugs	Documentary/ Derivative	PDF	One copy	One copy	12 months after sampling or borrowing material	An annual report will be supplied for any cuttings or cores retained overseas for more than 12 months.
Data from on investigation, analysis, etc. of cuttings or cores	Documentary	ASCII, XLS	One copy	One copy	12 months after sampling or borrowing material	As a tab delimited ASCII file with metadata included and attached to the analysis report.

* Edited means removal of spurious or duplicated values only, all traces recorded shall be supplied on the field tape. Edited tapes shall be provided with an audit trail showing editing parameters.

SECTION 3 HOLDER'S AGREEMENT

Instructions:

- **Complete Section 3. Suggested changes to Section 2 can be outlined in Section 3.**
- **The holder's agreement to the DMP, subject to any changes, is indicated in Section 3.**
- **Submit the DMP to the Designated Authority.**

Changes (if any):

The holder's agreement to this DMP, subject to changes (if any):

Name:

Title:

Company:

Date:

Signature:

SECTION 4 DESIGNATED AUTHORITY'S AGREEMENT

Instructions:

- **Do not fill in Section 4.**
- **The Designated Authority indicates acceptance in this section.**
- **If the Designated Authority is unable to accept this DMP, it will notify the holder in writing giving reasons for the decision.**
- **The DMP commences on the day the Designated Authority accepts it.**
- **A copy of the approved DMP will be supplied to the holder.**

The Designated Authority's agreement to this DMP, subject to changes (if any):

Bill Tinapple

Director

Petroleum and Royalties Division

Department of Industry and Resources

Date:

Signature: