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Petroleum Development

19 SEP 2006

**Data Management Plan for
2005 2D Seismic Reprocessing**

VIC/P41(v), Offshore Otway Basin, Australia

Prepared by: M. N. Lonergan, Principal Geophysicist, Origin Energy

June 2006

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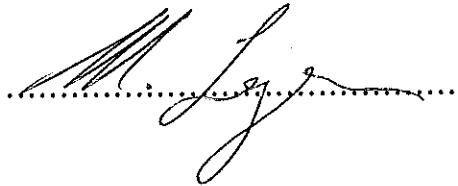
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Signed for and on behalf of
Origin Energy Resources Ltd

By Origin Energy Resources Ltd

Per:



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Date: 24/07/2006

Version: 1.0

Designated Authority acceptance:

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1.0 INTRODUCTION

1.1 PERMIT INFORMATION

PERMIT: VIC/P41(v)
AREA: 255 km² (12 graticular blocks)
STATE: Victoria
BASIN: Otway Basin (offshore)
AWARDED: 08 February 2005
EXPIRY DATE: 07 February 2011
OPERATOR: Origin Energy Resources Ltd
 ABN 007 845 338
 GPO Box 148
 Brisbane QLD 4001
ACT: *Victorian State Petroleum (Submerged Lands) Act 1984 (State)*

1.2 DESCRIPTION OF ACTIVITY

This data management plan relates to the planned reprocessing of 2D seismic data between November 2005 and February 2006 in exploration permit VIC/P41(v), approximately 320 km west-southwest of Melbourne. The reprocessing programme is designed to fulfil the Year 1 commitment of 177km of 2D seismic reprocessing. The data will be reprocessed by Velseis Processing in Brisbane utilising Promax processing software, with the final processed data to be interpreted by Origin Energy Resources Ltd using Schlumberger's IESX software.

This data management plan is compiled and submitted by Origin Energy Resources Ltd, as operator of VIC/P41(v). Origin is also the sole interest holder in VIC/P41(v) as summarised in Table 1.

Name	Interest Holder %	Description
Origin Energy Resources Ltd.	100%	Operator

Table 1: VIC/P41(v) interest holders

2.0 SPECIFIC REQUIREMENTS OF DMP PER VICTORIAN STATE SCHEDULE 4

Item	Regulatory Provisions	Application to this DMP
101	Description of: a. each activity to which DMP relates; b. each location where activity will be carried out.	This DMP is designed to be a "cradle to grave" plan for all foreseeable activities to be undertaken within the title area. However, if the Guidelines for reporting and submission of petroleum data are updated then this DMP will be revised. For other activities not covered in detail in this plan (or in the DMP Guidelines) the company responsible for the data shall specifically detail information on that activity, as it arises. Should a change in title type or Guidelines occur, the company shall review this DMP and resubmit a DMP for approval.
102	Description of reports & information, relevant to the activity, that will be made and kept.	As detailed throughout this document, relating to the specific activity.
103	Explanation of: a. data to be given to the Designated Authority without request by the Designated Authority; b. information to be kept.	a. Data to be submitted - refer to body of document, as pertinent to the associated activity. b. Data withheld - refer to body of document, as pertinent to the associated activity.
104	Description of media and formats for information, cores, cuttings or samples held.	The information and reports will be submitted in the format and on the media outlined in within the body of the document, as pertinent to the associated activity.
105	Explanation of how media and formats in item 104: a. are appropriate for type & volume of data collected; b. comply with Designated Authority requirements; c. comply with good industry practice.	Data medias and formats are described within the body of the document and these all comply with the P(SL)A Guidelines for Data Submission version 5 (the Guidelines) in respect of the <i>Victorian State Petroleum (Submerged Lands) (Data Management) Regulations 2004 (State) (the Regulations)</i> .
106	Undertake to allow access to data that is publicly available and explain how access will be allowed	The operator acknowledges that, upon notification by the Designated Authority, it will allow reasonable access to any publicly available information or samples under its control.
107	Describe arrangements that ensure information is preserved according to good archive practice.	Data preservation will be ensured via contracts covering data services in addition to in-house data management practice.
108	Issue a statement that reports & information will be given according to: a. the timetable outlined in Part 2 of the Schedule; or b. a timetable proposed in the DMP.	The timing of submission of data that will be made/collected during the period of the DMP is outlined within the body of the document, as pertinent to the associated activity.
109	Summary of: a. data management performance objectives against which performance will be measured; & b. measurement criteria that define the objectives.	Data and reports will be submitted on time and in accordance with Guidelines (see item 105). Archival and Environment conditions will comply with the Guidelines (see item 105).

Item	Regulatory Provisions	Application to this DMP
110	Explain how the measurement criteria will confirm that the performance objectives have been met.	Submissions timetable will be monitored in-house. Storage handling conditions will be controlled via contracts for data services.
111	Summary of arrangements for: a. secure storage of documents and records at a nominated address b. maintenance of documents and records in a way that makes retrieval of documents etc practicable.	Information and reports will be stored at the nominated address in a secure data storage room prior to being submitted to the Designated Authority as per timetable above. The storage of data will meet the good digital archival principles as set out in the "Guidelines for reporting and submission of petroleum data" and recommended by the Australian Archives.
112	Acknowledge responsibility for collection, storage, and submission of information, cores, cuttings & samples obtained until all have been submitted to the Designated Authority.	The Operator acknowledges responsibility for collection, storage, and submission of information, cores, cuttings & samples obtained until all have been submitted to the Designated Authority.
113	Any other information that is necessary to demonstrate that the DMP complies with the Regulations.	As required, for specific instances.

3.0 2005 SEISMIC REPROCESSING DATA SUBMISSION

Data submission details for the 2005 Seismic Reprocessing in VIC/P41 (v) are summarised in Table 2 below.

Data to be submitted	Copy required by States/Territory	Copy required by Commonwealth	Format	Media	Data due date	Remarks
Stacking Velocity data	YES	YES	ASCII	CD-ROM or DVD	3 months after completion of processing of data	Include line number, shotpoint, Time versus RMS pairs for both stacked and migrated velocities
SP/CDP relationship data	YES	YES	ASCII	CD-ROM or DVD	3 months after completion of processing of data	Sufficient SP/CDP data for workstation interpretation, including SOL and EOL relationships for each line and a listing of equivalent CDP/SP pairs for each line
Field tape transcription log	YES	YES	ASCII	CD-ROM or DVD	3 months after completion of processing of data	All tapes borrowed from Geoscience Australia were transcribed onto 3590 format tape and sent back to GA with originals
Seismic field tape copies	YES	YES	SEG	DVD, DLT or EXABYTE	3 months after completion of processing of data	As above
Raw stacked data - if generated as part of the processing sequence	YES	NO	SEGY	DVD, DLT or EXABYTE	3 months after completion of processing of data	
Raw and final migrated data	YES	NO	SEGY	DVD, DLT or EXABYTE	3 months after completion of processing of data	
Itemised process tape listing	YES	NO	ASCII	CD-ROM or DVD	3 months after completion of processing of data	
Final reprocessing report	YES	NO	PDF, Word	CD-ROM or DVD	3 months after completion of processing of data	

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Final interpretation report	YES	NO	PDF, Word	CD-ROM or DVD	18 months after completion of the processing of data	
Digital images of interpretation maps	YES	NO	PDF, Word	CD-ROM or DVD	18 months after completion of the processing of data	

Table 2. Data Submission and Reporting