



**11 February 2003**

Primary Industries & Resources SA  
101 Grenfell Street  
ADELAIDE SA 5000

**Attention:** B Goldstein

Dear Barry

**SPECULATIVE SURVEY LICENCE 1 ANNUAL REPORT**

Please find attached annual report for Speculative Survey Licence 1 for the period 16 March 2001 to 15 March 2002.

Yours sincerely

A handwritten signature in dark ink, appearing to read "J Bauer", on a light blue background.

**Jenny Bauer**  
Manager Exploration Eastern Australia

**Speculative Survey Licence 1**

**Onshore Otway Basin**

**South Australia**

**Annual Report**

**For the Period**

**16 March 2001 to 15 March 2002**

Prepared by:  
Origin Energy Resources Ltd

January 2003

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## 1 Introduction

Speculative Survey Licence 1 ("SSL 1") is located in the onshore portion of the Otway Basin, South Australia. This report covers the work performed by Origin Energy Resources Ltd as Licencee of SSL 1 *in accordance with requirements of Section 33 of the Petroleum Regulations 2000*. The licence period is 16 March 2001 to 15 March 2002.

## 2 Administration

Speculative Survey Licence 1 was granted on 16 March 2001 to enable lines from the Nampara Seismic Survey to be extended from PEL 27 into vacant area to the north. The licence expired on 15 March 2002.

The working interest in the licence is as follows:

Origin Energy Resources Ltd	100%
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## 3 Regulated Activities

*Section 33.(2) (a) a summary of the regulated activities conducted under the licence during the year:*

### 3.1 Drilling

No drilling was conducted in SSL 1.

### 3.2 Seismic Data Acquisition

The Nampara Seismic Survey was recorded by Trace Energy Services Pty Ltd of Perth between 25 April 2001 and 3 May 2001 in PEL 27.

Seven lines were extended into Speculative Survey Licence 1. A total of 15.8 km of seismic data was acquired in SSL 1. Full details of the seismic acquisition operations can be found in the Origin Energy Resources Ltd acquisition report<sup>1</sup>.

### 3.3 Seismic Data Processing/Reprocessing

Western Geco conducted the processing of the Nampara Seismic Survey in their Adelaide office. Full details of the processing are provided in the Nampara seismic processing report<sup>2</sup>.

### 3.4 Geological and Geophysical Studies

Geological and geophysical studies included the interpretation of the Nampara Seismic Survey data. Full details are given in the Origin Energy Resources Ltd seismic interpretation report<sup>3</sup>.

## 4 Compliance Issues

### 4.1 Regulatory Compliance

*Section 33.(2) (b) a report for the year on compliance with the Act, these regulations, the licence and any relevant statement of environmental objectives.*

The Licence is operated as per the requirements of the "Statement of Environmental Objectives for Seismic Operations in the Otway Basin, South Australia"<sup>4</sup>, and a report issued by PIRSA entitled "The Environmental Management of Seismic Operations in the South East of South Australia"<sup>5</sup>.

No environmental incidents were reported.

The seismic operations report for the Nampara Seismic Survey was submitted approximately 2 months after the due date.

The processed seismic data for the Nampara Seismic Survey were submitted approximately 8 months after the due date (see comment below).

The Nampara interpretation report was initially submitted by the due date, however a subsequent request for the digital report to be "book-marked" is understood to mean that the initial submission was non-compliant.

### 4.2 Rectification of Non-Compliance

*Section 33.(2) (c) a statement concerning any action to rectify non-compliance with obligations imposed by the Act, these regulations or the licence, and to minimize the likelihood of the recurrence of any such non-compliance.*

To ensure compliance in regard to report and data submission, Origin has developed a computer database called the Permits and Lands Management System designed to track critical dates and provide prompts for impending reports and data submissions.

Processed data for the Nampara Seismic Survey were not received from the processing contractor until more than 6 months after acquisition of the data, hence compliance with the requirement to submit processed data within 6 months of acquisition of the data was not possible.

### 4.3 Management System Audits

*Section 33.(2) (d) a summary of any management system audits undertaken during the relevant licence year, including information on any failure or deficiency identified by the audit and any corrective action that has, or will be, taken.*

An environmental field audit was undertaken to assess the impact of the Nampara Seismic Survey. A detailed report is included in the final Acquisition Report<sup>1</sup>.

#### 4.4 Data Submissions

*Section 33.(3). (e) a list of all reports and data relevant to the operation of the Act generated by the licensee during the relevant licence year.*

- Seismic operations report for Nampara Seismic Survey (submitted 3 January 2002, followed by a CD on 8 April 2002)
- Seismic data processing report for Nampara Seismic Survey (submitted 2 January 2002)
- Seismic interpretation report for Nampara Seismic Survey (submitted after end of licence period on 17 June 2002, re-submitted on 28 June 2002)
- Processed data for the Nampara Seismic Survey (submitted on 5 July 2002)

#### 4.5 Safety

*Section 33.(2) f in relation to any incidents reported to the Minister under the Act and these regulations during the relevant licensing year-*

*Section 33.(2) f (i) an overall assessment and analysis of the incidents, including the identification and analysis of any trends that have emerged.*

*Section 33.(2) f (ii) an overall assessment of the effectiveness of any action taken to rectify non-compliance with obligations imposed by the Act, these regulations or the licence, or to minimize the risk of recurrence of any such non-compliance.*

The Nampara Seismic Survey was completed without any lost time injuries. No reportable incidents occurred during the reporting period.

#### 4.6 Threat Prevention

*Section 33.(2) (g) a report on any reasonably foreseeable threats (other than threats previously reported on) that reasonably present, or may present, a hazard to facilities or activities under the licence, and a report on any corrective action that has, or will be, taken.*

There were no perceived threats, and no action taken.

#### 4.7 Licence Conditions and Future Work Program

*Section 33.(2) (h) unless the relevant licence year is the last year in which the licence is to remain in force a statement outlining operations proposed for the ensuing year.*

Not applicable.

## 5. Expenditure Statement

*Section 33.(3) An annual report must be accompanied by a statement of expenditure on regulated activities conducted under the licence for the relevant licence year.*

# COMMERCIAL IN CONFIDENCE

## 6. References

1. WS Thirlwell, 2002. "PEL 27, Otway Basin South Australia, Nampara Seismic Survey 2001, Final Report Part A: Acquisition". Origin Energy Resources Ltd .
2. Western Geco. 2001. "Seismic Data Processing Report For Origin Energy 2001 Nampara Seismic Survey".
3. "PEL 27 Onshore Otway Basin South Australia, Interpretation and Structural Mapping incorporating the 2001 Nampara Seismic Survey". Origin Energy Resources Ltd.
4. CD Cockshell and KR Langley, 2001. "Statement of Environmental Objectives for Seismic Operations in the Otway Basin, South Australia". Primary Industries and Resources SA, Report Book 2001/020.
5. "The Environmental Management of Seismic Operations in the South East of South Australia", 4<sup>th</sup> edition 1996. Issued by the Department of Primary Industries and Resources Petroleum Division (formerly MESA).