

# **Annual Report**

## **Petroleum Retention Licences (PRLs)**

### **231 – 233 and 237**

**19 January 2018 – 18 January 2019**  
**Licence Year 1 (Term 1)**

**Document Number**  
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## REVISION HISTORY

Revision	Revision Date	Document Status	Revision Comments	Author	Approved by
0	15/03/2019	Issued for Use	Submit to DEM	KM	SP

## 1 INTRODUCTION

Petroleum Retention Licences (PRL) 231 - 233 and 237 were granted on 19 January 2018. The licences are located in the Cooper / Eromanga Basin, South Australia. This report details the work conducted during Licence Year 1 of the licences (19 January 2018 to 18 January 2019 inclusive), in accordance with Regulation 33 under the *Petroleum and Geothermal Energy Act 2000*.

### Associated Activities Licence

Associated Activities Licence (AAL) 265, adjunct to PRL 231, 232 and 233 was granted on 30 November 2018 to carry out the Westeros 3D Seismic Survey. The licence is due to expire on 29 November 2019.

## 2 PERMIT SUMMARY

Petroleum Retention Licences (PRL) 231 – 233 and 237 were awarded to:

- Stuart Petroleum Pty Ltd 70%
- Cooper Energy Limited 30%

The work commitments associated with PRLs 231 – 233 and 237 can be seen in Table 1.

**Table 1 Work commitments by licence year**

Licence Year	Licence Dates	Minimum Work Program
Year 1	19 January 2018 – 18 January 2019	Subject Area Expenditure Target: Eligible Activity expenditure of \$12.33 per km <sup>2</sup> of Group Subject Area per day, calculated as an aggregate required amount at the end of the Licence Term.
Year 2	19 January 2019 – 18 January 2020	
Year 3	19 January 2020 – 18 January 2021	
Year 4	19 January 2021 – 18 January 2022	
Year 5	19 January 2022 – 18 January 2023	

Licence Year 1 concluded on 18 January 2019. The following table displays the minimum work program and the actual work completed up until the end of the current licence period.

**Table 2** Final work program and work completed (as of end of current reporting period) by licence year

Licence Year	Minimum Work Program	Actual Work
Year 1	Subject Area Expenditure Target: Eligible Activity expenditure of \$12.33 per km <sup>2</sup> of Group Subject Area per day, calculated as an aggregate required amount at the end of the Licence Term.	Geological and Geophysical Studies  Line clearing for acquisition of Westeros 3D Seismic Survey

## 2.1 Suspensions

No suspensions have been requested since this licence was granted.

## 3 REGULATED ACTIVITIES

Pursuant to Regulation 33(3) (a)

### 3.1 Drilling and Related Activities

No regulated activities undertaken during the licence reporting period.

### 3.2 Seismic Data Acquisition

Survey: Westeros 3D Seismic Survey (Line Clearing)  
Area: Approximately 72.1 km<sup>2</sup> over PRL 231, 232 and 233  
Dates: 15 January 2019 – 18 January 2019 (ongoing)  
Contractor: Terrex

### 3.3 Seismic Data Processing and Reprocessing

No regulated activities undertaken during the licence reporting period.

### 3.4 Geochemical, Gravity, Magnetic and other surveys

No regulated activities undertaken during the licence reporting period.

### 3.5 Production and Processing

No regulated activities undertaken during the licence reporting period.

### 3.6 Pipeline/ Flowline Construction and Operation

No regulated activities undertaken during the licence reporting period.

### 3.7 Preliminary Survey Activities

No regulated activities undertaken during the licence reporting period.

## 4 COMPLIANCE ISSUES

### Licence and Regulatory Compliance

Pursuant to Regulations 33(3) (b) & (c)

There were no instances of non-compliance with the *Petroleum and Geothermal Energy Act 2000*, the *Petroleum and Geothermal Energy Regulations 2013*, any Statement of Environmental Objectives, or the Licence Conditions of PRLs 231 - 233 and 237 during the licence reporting period.

#### 4.1 Compliance with Statement of Environmental Objectives

There were no Statement of Environmental Objectives non-compliances identified for PRLs 231 - 233 and 237 in the reporting period.

Seismic activities in PRL 231, 232 and 233 have been assessed against the Statement of Environmental Objectives (SEO) for Geophysical Activities in the Cooper Basin, South Australia (DSD, 2014).

**Table 3 SEO for Geophysical Activities in the Cooper Basin, South Australia (DSD, 2014)**

Objective	Assessment Criteria	Compliant/Non-Compliant	Comments
Minimise the visual impact of operations.	Campsite and survey line preparation Proposed survey lines and campsites have been appropriately located and prepared to minimise the visual impact. The attainment of 0, +1 or +2 GAS criteria for 'visual impact' objective listed in Appendix A.	Compliant	Location of and preparation techniques for survey lines are key factors in determining visual impact.
Minimise disturbance and avoid contamination to soil.	<u>Campsite and survey line preparation</u> Attainment of 0, +1 or +2 GAS criteria for 'disturbance to land surface' objective, as listed in Appendix A. Proposed survey lines and campsites have been appropriately located and prepared to minimise the disturbance to soil resources.  <u>Fuel and Chemical Storage and Management</u> No re-fuelling outside designated refuelling / service areas. Spills or leaks are immediately reported and clean up actions initiated. Records of spill events and corrective actions are maintained in accordance with company procedures. Appropriate spill response equipment is available on site. Fuel storage appropriately contained (e.g. double skin tanker with safety valves) or bunded. Appropriate containment bunding for site drum storage protection is implemented.	Compliant	No leaks or spills during reporting period.
Minimise disturbance to native vegetation and fauna.	<u>Campsite and Survey Line Preparation</u> 0, +1 or +2 GAS criteria attained for goals related to this objective listed in (Appendix A) No mature trees removed. Existing tracks or old seismic lines to be used when possible to gain access into the program areas.	Compliant	

	<p>Vehicle access to survey lines is to be via existing access tracks or pre-existing survey lines, except where they have been rehabilitated. Other temporary access tracks may be utilised</p> <p><u>Fuel and Chemical Storage and Management</u></p> <p>Refer to assessment criteria for Objective 2.</p> <p><u>Waste Management</u></p> <p>Refer to assessment criteria for Objective 8.</p> <p><u>Fire Danger Restrictions and Education</u></p> <p>All personnel are fully informed on the fire danger season and associated restrictions.</p> <p>Fire- fighting equipment is available on site and crews are trained in its use.</p>		
Avoid disturbance to sites of cultural and heritage significance	<p>Appropriately trained and experienced cultural/heritage advisors have scouted proposed survey line locations and access tracks</p> <p>Any cultural heritage sites identified have been flagged and subsequently avoided.</p> <p>The company has a mechanism in place to appropriately report and respond to any sites discovered during survey activities.</p> <p>Any sites identified have been flagged and subsequently avoided.</p> <p>The EIR details this possible procedure.</p>	Compliant	
Minimise disturbance to livestock, pastoral infrastructure, and landholders.	<p>The attainment of 0, +1 or +2 GAS criteria for 'Impact on Infrastructure' objective listed in Appendix A.</p> <p>No reasonable concerns raised by stakeholders are left unresolved.</p> <p>The relevant sections of the Act and Regulations have been followed and implemented and in particular in relation to landowner liaison and notification</p>	Compliant	No stakeholder complaints have been received
Avoid the introduction or spread of pest plants, pest animals and pathogens and implement control measures as necessary.	<p>Containment and control of biosecurity issues, including no new outbreak or spread of weeds, pest animals or pathogens as a result of geophysical activities</p>	Compliant	
Minimise disturbance to drainage patterns and avoid contamination of surface waters and shallow groundwater resources.	<p><u>Campsite and survey line preparation</u></p> <p>Campsites and survey lines/traverses are located and constructed to avoid diversion of water flows.</p> <p>0, +1 or +2 GAS criteria are attained for 'disturbance to land surfaces' objective as listed in Appendix A.</p> <p>No uncontrolled flows to surface from aquifers intersected in upholes / shallow boreholes.</p> <p>No impediment or unnecessary interference with natural drainage features.</p> <p><u>Fuel and Chemical Storage, Handling and Management</u></p>	Compliant	

	<p>Fuel storage appropriately contained (e.g. double skin tanker with safety valves) or banded.</p> <p>Appropriate containment bunding for site drum storage protection is implemented.</p> <p>No spills occur outside designated refuelling / service areas.</p> <p>Refuelling occurs at least 1 km from watercourses or sensitive ecological environments (e.g. Ramsar wetlands).</p> <p>Appropriate spill response equipment is available on site.</p> <p>Spills and leaks are immediately reported and clean-up actions initiated promptly</p>		
Minimise waste generation and maximise reuse and recycling.	<p>Wastes are segregated and transported to an EPA approved recycling or waste disposal facility.</p> <p>0, +1 or +2 GAS criteria are attained for 'Negligible survey markers and rubbish in situ' objective listed in Appendix A.</p> <p>Wastewater management practices conform to Public Health (Wastewater) Regulations 2013, SA Health On-site Wastewater Systems Code or to the satisfaction of the Department for Health and Ageing</p>	Compliant	
Remediate and rehabilitate operational areas to agreed standards.	<p><u>Campsite and survey line preparation</u></p> <p>Refer to assessment criteria for Objectives 1, 2, 3, and 7 and 8.</p> <p>0, +1 or +2 GAS criteria are attained for 'minimise the visual impact' and 'revegetation of indigenous species' as listed in Appendix A.</p>	Compliant	

## 4.2 Management System Audits

Pursuant to Regulation 33(3) (d)

No management system audits undertaken. Senex's HSE Management System was revised and updated in line with industry best practice during the reporting period.

## 4.3 Report and Data Submissions

Pursuant to Regulation 33(3) (e)

**Table 4** List of report and data submissions during current licence reporting year

Description of Report/Data	Date Due	Date Submitted	Compliant / Non-Compliant
Initial Activity Notification - Westeros 3D Seismic Survey	-	17/10/2018	Compliant
Initial Activity Notification - Westeros 3D Seismic Survey (addendum)	-	22/11/2018	Compliant



Description of Report/Data	Date Due	Date Submitted	Compliant / Non-Compliant
Westeros 3D Seismic Survey - Camp update	-	8/01/2019	Compliant
Westeros 3D Seismic Weekly Report (1)	-	18/01/2019	Compliant

#### **4.4 Incidents**

Pursuant to Regulation 33(3) (f)

No reportable incidents during the licence reporting period.

#### **4.5 Threat Prevention**

Pursuant to Regulation 33(3) (g)

No foreseeable threats identified during the licence reporting period.

#### **4.6 Future Work Program**

Pursuant to Regulation 33(3) (h)

Future work planned for PRLs 231 - 233 and 237 during Licence Year 2 consists of complete line clearing, acquisition and processing of 250.9 km<sup>2</sup> of PRL231, 232 and 233 for the Westeros 3D Seismic Survey as well as Geological & Geophysical Studies.

## **5 EXPENDITURE STATEMENT**

Pursuant to Regulation 33(4)

Please refer to Appendix 1 for the expenditure statement for the current reporting period.