

Annual Report



Petroleum Retention Licences (PRLs)

PRL 14 – Flax

PRL 17 – Yarrow and Juniper

PRL 18 – Juniper

PRL 180, 181 and 182

12 March 2021 – 11 March 2022



This report has been prepared in accordance with the requirements of the *Petroleum and Geothermal Energy Act 2000* and the *Petroleum and Geothermal Energy Regulations 2013*.

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1 Introduction

This Annual Report details the work conducted in Petroleum Retention Licences (PRLs) 14, 17, 18, 180, 181 and 182 in the South Australian Cooper Basin during the period 12 March 2021 to 11 March 2022. This report is prepared in accordance with Regulation 33 of the *Petroleum and Geothermal Energy Act 2000*.

2 Permit Summary

During the reporting period, licensees for PRLs 14, 17, 18, 180, 181 and 182 were:

- Santos QNT Pty Ltd 80%
- Red Sky Energy (NT) Pty Limited 20%

The Group Subject Area encompasses PRLs 14, 17, 18, 180, 181 and 182. The minimum work program commitment for the grouping requires the licensee carry out Eligible Activity (as defined in the PRL licence instrument) commensurate to expenditure of \$12.33 per square kilometre of the Group Subject Area per day. This is calculated as an aggregate required amount at the end of the Expenditure Period (five year period as defined in the PRL licence instrument), or such other lesser aggregate required amount as may be agreed by the Minister.

In addition to the Overall Expenditure Target defined above, the Licensee is required to drill one well or acquire 35 square kilometre of 3D seismic in PRL 17 or 18 prior to their expiry.

On 14 July 2020, the group was placed in suspension for the period 19 May 2020 to 18 May 2021 inclusive.

On 28 April 2022, a twelve-month suspension of licence condition and extension of term in respect of petroleum retention licences PRLs 17 and 18 was approved.

The impact on expiry dates is below:

- PRL 14 expiry date is now determined to be 12 November 2023;
- PRL 17 & 18 expiry date determined to be 28 April 2023; and
- PRL 180, 181 and 182 expiry date determined to be 11 September 2022.

3 Regulated Activities

Pursuant to Regulation 33(3)(a) under the Act, an annual report must include:

“a summary of the regulated activities conducted under the licence during the [current reporting] year.”

This information relevant to current holders is detailed below in designated sections below.

Drilling and Related Activities

Regulated drilling and related activities were undertaken in the licence reporting period including surveys and preparatory work to drill the Yarrow 3 well. Civils required for the drilling of the Yarrow 3 well included road access works and lease preparation. Rig mobilisation to site commenced but was subsequently delayed due to rainfall and localised flooding preventing access to the lease.

Seismic Data Acquisition

No seismic data acquisition was undertaken in the licence reporting period.

Seismic Data Processing and Reprocessing

Seismic data reprocessing of the Yarrow 2D seismic data was undertaken in the licence reporting period.

Geochemical, Gravity, Magnetic and other surveys

No other survey activities were undertaken in the current licence reporting period on an individual survey basis.

Geological, Geophysical and Engineering studies

Studies included interpretation of existing and reprocessed seismic data, field mapping and planning for future drilling activities.

Production and Processing

No production and processing activities undertaken in the licence reporting period.

Pipeline Construction and Operation

No pipeline construction and operational activities undertaken in the licence reporting period.

4 Compliance

Pursuant to Regulations 33(3) (b) & (c), an annual report must include:

“a report for the year on compliance with the Act, these regulations, the licence and any relevant statement of environmental objectives;” and

“a statement concerning any action to rectify non compliance with obligations imposed by the Act, these regulations or the licence, and to minimise the likelihood of recurrence of any such non-compliances.”

Licence & Regulatory Compliance

The current holder of the PRLs complied with the Act, the Petroleum and Geothermal Energy Regulations 2013 and the licence conditions during the reporting period.

Compliance with Statement of Environmental Objectives

There were no instances of non-compliance with the SEO.

5 Management System Audits

Pursuant to Regulation 33(3) (d) under the Act, an annual report must include:

“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 actions that has, or will be taken”.

There were no management system audits specific to the group conducted in the reporting period by the current holders.

6 Report and Data Submissions

Pursuant to Regulation 33(3) (e) under the Act, an annual report must include:

“a list of all reports and data relevant to the operation of the Act generated by the licensee during the licence year”.

Table 1 List of report and data submissions during current licence reporting year by the current holders

Description of Report/Data	Date Due	Date Submitted	Compliant / Non-Compliant
Annual Report	11 May 2021	11 May 2021	Compliant by way of timing.
Yarrow 2D Seismic Interpretation Report		16 August 2021	

7 Incidents

Pursuant to Regulation 33(3) (f), an annual report must include:

“in relation to any incidents reported to the Minister under the Act and these Regulations during the relevant licence year –

- (i) an overall assessment and analysis of the incidents, including the identification and analysis of any trends that have emerged; and*
- (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 minimise the risk of recurrence of any such non-compliance”.*

There were no reportable or serious incidents during the reporting period within the permits by the current holders, in accordance with the definitions provided in Section 85(1) and Regulation 32(1) of the Act.

8 Threat Prevention

Pursuant to Regulation 33(3) (g) under the Act, an annual report must include:

“a report on any reasonably foreseeable threats (other than threats previously reported on) that reasonably presents, 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 are no new threats to report by the current holders.

9 Future Work Program

Pursuant to Regulation 33(3) (h) under the Act, an annual report must include:

“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”.

Below is a brief description of each of the regulated activities planned for the following reporting year (subject to change) within the Group Subject Area now encompassing PRLs 14, 17, 18, 180, 181 and 182:

- The Yarrow 3 appraisal well is planned to be drilled in PRL 18 in the second quarter of 2022, however, current Cooper Creek flooding may impact access to the lease; and
- Studies and planning for a potential drill in Flax field in 2023.

10 Expenditure Statement

Pursuant to Regulation 33(4) under the Act, an annual report must contain:

“An annual report must be accompanied by a statement of expenditure on regulated activities conducted under the licence for the relevant licence year, showing expenditure under each of the following headings:

- a) drilling activities;*
- b) seismic activities;*
- c) technical evaluation and analysis;*
- d) other surveys;*
- e) facility construction and modification;*
- f) operating and administration expenses (not already covered under another heading)”.*

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

APPENDIX 1 Expenditure Statement

Confidential

Drilling and Well Operations SEO (2021) – Review of 2021 Performance against Environmental Objectives.

Environmental Objective	Assessment Criteria	Compliance Status	Performance
Objective 1: No injuries, deaths or health impacts to the public or third parties from regulated activities that could have been reasonably prevented by the operator.	All reasonable measures implemented to ensure no injuries to the public or third parties.	Achieved	There were no injuries to the public or any third parties arising from Drilling and Well operations during the reporting period. Signs are installed at strategic locations in the operating area to deter the public from accessing drilling and production areas and when potentially hazardous tasks are undertaken. Emergency Response Plans and procedures are in place. These procedures are regularly exercised with identified improvements included into the ERPs. Communication of potentially hazardous or unusual tasks is made to affected parties prior to being undertaken e.g. rig moves around the Cooper Basin are communicated via Moomba Comms.
	Investigation conducted by a relevant government authority into any injury or death does not result in a prohibition notice pursuant to Section 195 of the <i>Work Health and Safety Act 2012</i> .	Achieved	There were no investigations conducted by a relevant government authority into any injury or death during the reporting period.
	Compliance with the relevant legislation or approvals regarding noise and air quality.	Achieved	There were no reports of noise and air quality non-compliances during the reporting period
	No unnecessary venting during well operations.	Achieved	There was no unnecessary venting during well operations.
	Sewage and grey water to be managed in accordance with the South Australian Public Health (Wastewater) Regulations 2013 or to the satisfaction of the Department of Health and ageing.	Achieved	Wastewater was managed in accordance with current regulations or to the Department of Health's satisfaction during the reporting period. Domestic wastes were disposed of in accordance with EPA License Requirements.
Objective 2: Minimise impacts to native flora and fauna (terrestrial and aquatic) due to	Any escape of petroleum, processed substance, chemical or fuel is either immediately contained and removed or assessed in	Achieved	Escapes of petroleum, processed substance, chemical or fuel relating to drilling, completions or well operations during the reporting period were immediately contained and

regulated activities or escape of petroleum, processed substance, chemical or fuel.	accordance with NEPM guidelines and remediated in accordance with relevant guidelines in a timely manner.		removed or treated in situ. Remedial actions for specific incidents have been provided in the quarterly reports.
	No impact to rare, vulnerable or endangered flora and/or fauna, or important vegetation due to an escape of petroleum, processed substance, chemical or fuel.	Achieved	There was no known impact to rare, vulnerable or endangered flora and/or fauna or important vegetation relating to Drilling, completions and well operations reported during the reporting period,
	No overflow, spill or seepage of completions fluids from temporary holding ponds	Achieved	No overflow, spill or seepage of completions fluid from a temporary holding pond was recorded during the reporting period.
	No native fauna casualties that could have been reasonably prevented	Achieved	There were no known native fauna casualties that could have reasonably been prevented relating to Drilling, Completions and Well Operations, were reported during the reporting period.
	The attainment of 0, +1 or +2 GAS criteria under well site construction (Table A1) for: <ul style="list-style-type: none"> ○ minimising impact to soil ○ minimising impact on native vegetation and native fauna 	Achieved	No new disturbance was undertaken during this reporting period.
	The attainment of 0, +1 or +2 GAS criteria under borrow pit construction (Table A3) for: <ul style="list-style-type: none"> ○ minimising impacts on soil ○ minimising impacts on vegetation. 	Achieved	No new disturbance was undertaken during this reporting period.
	The attainment of 0, +1 or +2 GAS criteria under borrow pit management (Table A3) for: <ul style="list-style-type: none"> ○ minimising water retention in the pit ○ minimising impacts to soil ○ minimising impacts on vegetation 	Achieved	No new disturbance was undertaken during this reporting period.

	Solid wastes and foreign material to remain contained onsite within the well lease/operational area boundaries until disposed of at an EPA licensed facility, with the exception of drilling and completions benign solids to be disposed of in drilling sump.	Achieved	Wastes were disposed of in accordance with license requirements.
	No uncontrolled fires resulting from regulated activities.	Achieved	There were no fires resulting from Drilling, Completions and Well Operations during the reporting period.
	The extent of soil erosion is consistent or less than surrounding land For well site restoration and borrow pit rehabilitation GAS criteria refer to Objective 8	Achieved	There were no reports of soil erosion into the natural environment related to Drilling, Completions and Well operations, during the reporting period. Minor erosion noted from DEM site inspections was rectified as per correspondence with DEM.
<u>Objective 3:</u> Minimise disturbance to drainage patterns and avoid contamination of surface waters	The attainment of 0, +1 or +2 GAS criteria under well site construction for minimising disturbance to drainage patterns (Table A1).	Achieved	Sites are selected to identify and address potential risks and avoid drainage lines prior to construction as required. Site construction GAS scores recorded were 0 or better during the reporting period.
	No new water affecting activities as defined under the NRM Act undertaken unless relevant permits have been obtained.	Achieved	There were no new water affecting activities in the relevant tenures in the reporting period.
	No unauthorised discharge of water (or other liquids) or solid wastes to surface waters	Achieved	There were no unauthorised discharges to surface waters recorded during the reporting period.
<u>Objective 4:</u> No introduction of new species of weed, plant, pathogen or pests (feral animal) and prevent the spread of existing species, as necessary.	Presence/absence and abundance of pest plants and animals are consistent with pre-existing conditions and/or adjacent land or where pest plants and animals are identified on operational areas, management plan is implemented immediately.	Achieved	No records of increased presence/abundance of pest plants and animals in Drilling, Completion and Well Operations areas during the reporting period.
	Declared plants /animals are reported and managed in accordance with relevant regulations.	Achieved	No declared plants/animals were reported relating to Drilling, Completions and Well Operations area during the reporting period.

	The attainment of 0, +1 or +2 GAS criteria under management and rehabilitation of borrow pits for minimise impacts on vegetation (Weeds) (Table A3).	Achieved	No scores for management and rehabilitation of borrow pits recorded during the reporting period.
Objective 5: Avoid damage, disturbance or interference to sites objects or remains of Aboriginal and/or non-Aboriginal heritage	Aboriginal heritage surveys undertaken and sites are identified and avoided	Achieved	Cultural heritage surveys are completed as part of the internal approval for new land disturbances. Sites identified are recorded on the internal GIS and the information is used to avoid sites.
	Avoid damage, disturbance or interference to Aboriginal sites, objects or remains ("Aboriginal heritage") as required by the Aboriginal Heritage Act 1988 (SA) ("AHA").	Achieved	There were no reports of damage, disturbance or interference to Aboriginal sites, objects or remains during the reporting period.
	Where damage, disturbance or interference to Aboriginal heritage is unavoidable then application for authorisation in accordance with section 23 of the AHA will be sought and appropriate consultation with Aboriginal parties as required by section 13 of the AHA*. (*in appropriate circumstances, a 'risk management' approach may be undertaken (see DSD-AAR Risk Management Guidelines) in which case a section 23 application is not necessary.)	Achieved	There were no reports of damage/disturbance to Aboriginal heritage sites during this reporting period..
	Avoid damage/ disturbance to non-aboriginal sites where practicable	Achieved	There were no reports of damage/disturbance to non-aboriginal sites during the reporting period.
	0, +1 or +2 GAS criteria are attained under construction of	Achieved	Borrow pits are constructed and managed using the Santos Borrow Pit Construction Guidelines which are

	borrow pits to protect sites of natural scientific or heritage significance.		set out to meet the GAS criteria. No GAS scores were recorded for borrow pit management and rehabilitation during the reporting period.
Objective 6: Minimise loss of aquifer pressure and avoid aquifer contamination.	No uncontrolled flow to surface (e.g. blow out).	Achieved	No uncontrolled flow to surface incidents occurred during this reporting period.
	Effective barriers exist to prevent crossflow between separate aquifer systems or hydrocarbon reservoirs..	Achieved	Effective barriers exist to prevent crossflow in accordance with the Drilling and Completions Managements System. Well integrity is managed throughout the life of the well.
	No change in the capacity of third-party groundwater users to undertake their respective activities	Achieved	No change in capacity of third-party groundwater users due to drilling, completions or well operations on the relevant tenures.
	No unauthorised discharge or escape of any liquids (including water, petroleum, processed substance, chemical or fuel), or solid wastes to groundwater	Achieved	There were no cases of unauthorised discharge or escape of any liquids or solid wastes to groundwater during the reporting period as a result of drilling and well operations.
	Any escape of petroleum, processed substance, chemical or fuel is either immediately contained and removed or assessed in accordance with NEPM guidelines and remediated in accordance with relevant guidelines in a timely manner.	Achieved	Escapes of petroleum, processed substance, chemical or fuel relating to drilling, completions or well operations during the reporting period were immediately contained and removed or treated in situ. Specific remedial actions were provided in the quarterly reports.
	Relevant government approval obtained for abandonment of radioactive tools if left downhole.	Achieved	There were no radioactive tools left downhole. No approvals for abandonment of radioactive tools to be left downhole were required during the reporting period.
	No impact on groundwater dependant ecosystems as a result of groundwater extraction or contamination* (i.e. aquifers that may provide base flow to	Achieved	During the reporting period, there were no known impacts to groundwater dependent ecosystems as a result of drilling, completions and well operations on the relevant tenures recorded.

	nearby waterholes). o Definition of contamination – as per section 5B of the Environment Protection Act 1993.		
Objective 7: Maintain stakeholder relationships and minimise disturbance to landowners and/or associated infrastructure.	No unresolved reasonable stakeholder complaints.	Achieved	During the reporting period, there were no unresolved stakeholder complaints received.
	No disturbance to landholder activities as a result of regulated activities unless by prior arrangement	Achieved	There were no unresolved landholder related matters reported during the reporting period.
	Where disturbance is unavoidable or accidental, infrastructure or land use is restored to the satisfaction of the landholder. For well site restoration and borrow pit rehabilitation GAS criteria refer to Obj. 8	Achieved	There was minimal disturbance to landholder activities or infrastructure during the reporting period.
Objective 8: Rehabilitate land affected by regulated activities to agreed standards.	The attainment of 0, +1 or +2 GAS criteria under well site and access track restoration (Table A2) for: o minimising visual impact o revegetation of indigenous species o site left in a clean tidy condition.	Achieved	Rehabilitation activities are managed to meet this requirement
	The attainment of 0, +1 or +2 GAS criteria under rehabilitation of borrow pits (Table A3) for o minimising water retention in pit o minimise impacts to soil	Achieved	Rehabilitation activities are managed to meet this requirement

	<ul style="list-style-type: none"> o minimise impacts on vegetation o minimise visual impacts o site to be left in a clean and tidy condition. 		
	No unresolved reasonable stakeholder complaints	Achieved	During the reporting period, there were no stakeholder complaints received regarding rehabilitated land.

Production and Processing Operations SEO (2017) Review of 2021 Performance against Environmental Objectives

Environmental Objectives	Assessment Criteria	Compliance Status	Performance
<p>Objective 1:</p> <p>No injuries, deaths or adverse health impacts to the public or third parties from regulated activities that could have been reasonably prevented by the operator.</p>	<p>No imminent risk to the health and safety of the public or third parties occurs as a result of failure to identify or maintain a physical or procedural barrier, so far as is reasonably practicable.</p> <p>Investigation conducted by a relevant government authority into any injury or death does not result in a prohibition notice pursuant to Section 195 of the <i>Work Health and Safety Act 2012</i>.</p> <p>Compliance with the applicable legislation or approvals regarding noise and air quality.</p> <p>Sewage and grey water to be managed in accordance with the South Australian <i>Public Health (Wastewater) Regulations 2013</i> or to the satisfaction of the Department of Health and aging.</p>	Achieved	<p>There were no injuries to the public or any third parties arising from Production and Processing operations during the reporting period.</p> <p>Signs are installed at strategic locations in the operating area to deter the public from accessing production areas and when potentially hazardous tasks are undertaken.</p> <p>Communication of potentially hazardous or unusual tasks is made to affected parties prior to being undertaken e.g. rig moves around the Cooper Basin are communicated via Moomba Comms.</p>
<p>Objective 2:</p> <p>Minimise impacts to native flora and fauna due to regulated activities.</p>	<p><u>Construction and Operational Activities</u></p> <ul style="list-style-type: none"> • No native fauna casualties that could have been reasonably prevented. • No impacts to important native vegetation as a result of regulated activities. • No uncontrolled fires resulting from regulated activities. • No production activities undertaken on salt lakes or steep tableland slopes. • Works are restricted to approved/cleared areas. • Unauthorised off-road driving is not permitted. • Where a significant (-2) or minor (-1) shortfall with the GAS criteria for Borrow Pit Construction (Soil, Vegetation, Visual 	Achieved.	<p>There were no known native fauna casualties that could have reasonably been prevented relating to Production and Processing Operations, reported during the reporting period.</p> <p>No production activities were undertaken on salt lakes or steep tableland slopes</p> <p>There were no records of unauthorised off-road driving during the reporting period.</p> <p>Soil disturbance is minimised wherever possible.</p> <p>During the clear and grade process, vegetation and topsoil is stockpiled separately to the subsoil</p>

Environmental Objectives	Assessment Criteria	Compliance Status	Performance
	<p>Impacts) and Management (Soil, Water Retention) is identified, a management strategy will be implemented as soon as practicable, which will include remedial actions, to meet the GAS Expected Goal (0) or Goal Exceeded (+1 or +2).</p> <ul style="list-style-type: none"> • Where a significant (-2) or minor (-1) shortfall with the GAS criteria for Produced Formation Water Facilities – Field Inspection is identified, a management strategy will be implemented as soon as practicable, which will include remedial actions, to meet the GAS Expected Goal (0) or Goal Exceeded (+1 or +2). • Following pipeline right of way (ROW) reinstatement activities, the following applies: <ul style="list-style-type: none"> - No evidence of significant subsoil on surface (colour) on ROW - No subsidence is evident over pipeline trench - No visual evidence of soil compaction following remediation of the pipeline easement. - The extent of erosion on the ROW is consistent with surrounding land. 		<p>excavated from the flowline trench, and the subsoil is placed back into the trench prior to the respread of topsoil and vegetation. As a result, the potential for soil inversion is considerably reduced.</p> <p>No records of significant subsoil, subsidence, compaction or erosion inconsistent with surrounding land reported along pipeline right of way during the reporting period.</p> <p>No GAS scores were recorded for borrow pit construction and management during the reporting period.</p>
	<p><u>Native Vegetation Act SEB</u></p> <ul style="list-style-type: none"> • Significant Environmental Benefit (SEB) for native vegetation clearance approved by the relevant delegated authority and SEB Offset obligation implemented. 	Achieved	The significant environmental benefit obligation will be met through the Santos Offset Project.
	<p><u>Water Affecting Activities</u></p> <ul style="list-style-type: none"> • No new water affecting activities as defined under the Natural Resources Management Act 2004 (NRM Act) undertaken unless applicable permits have been obtained. 	Achieved	<p>There were no new water affecting activities in the relevant tenures in the reporting period.</p> <p>There were no known unauthorised impedances of surface water flow that resulted in adverse</p>

Environmental Objectives	Assessment Criteria	Compliance Status	Performance
	<ul style="list-style-type: none"> No unauthorised impedance of surface water flow that results in adverse impacts to native flora or fauna and groundwater dependent ecosystems. 		impacts to native flora or fauna and groundwater dependent ecosystems due to Production and Processing Operations during the reporting period.
	<p><u>Loss of Containment</u></p> <ul style="list-style-type: none"> Following an escape of petroleum, processed substance, chemical or fuel outside an area designed to contain it, an initial assessment will be undertaken to determine the nature and extent of the escape and identify environmental risks in a timely manner. An escape of petroleum, processed substance, chemical or fuel that cannot be immediately contained or remediated will be assessed and managed in accordance with the requirements of the National Environment Protection (Assessment of Site Contamination) Measure 1999, amended 2013 (NEPM), and where required, remediated in line with relevant guidelines. No impact to rare, vulnerable or endangered flora and/or fauna, or important vegetation (as defined under Table A3) due to an escape of petroleum, processed substance, chemical or fuel. No phase-separated hydrocarbons visible on water surface in freeform or final-stage evaporation pond. 	Achieved	<p>There were no instances of escapes of substances outside areas designed to contain them during the reporting period.</p> <p>Where required, impacted sites underwent a detailed site assessment, subsequent to the initial site assessment at the time of the incident. Remedial actions for specific incidents is provided in the quarterly reports.</p> <p>Contaminated site remediation works during the reporting period included transport of soil to landfills for ongoing treatment, with the remainder of incidents either being actively treated or naturally attenuating <i>in situ</i>.</p> <p>There have been no incidents of phase separated hydrocarbons visible on the surface in the final stage evaporation ponds.</p>
	<p><u>Waste Management</u></p> <ul style="list-style-type: none"> Waste managed and contained on site, transported and disposed of in accordance with EPA Licence requirements. 	Achieved	Waste material was disposed of in accordance with EPA licensing requirements during the reporting period.
<p>Objective 3: No introduction of new species of weed, pathogen or pests (feral animal) and prevent the spread of existing species, as</p>	<ul style="list-style-type: none"> Where pest plants and animals are identified in operational areas, and the presence and abundance is not consistent with pre-existing conditions and/or surrounding land, a management plan is implemented as soon as reasonably practicable. Declared plants/animals are reported and managed in 	Achieved	<p>There was no evidence of feral animals being introduced to or spreading as a result of production and processing operations during the reporting period.</p> <p>If new weed infestations are identified, site-specific management strategies and controls would be</p>

Environmental Objectives	Assessment Criteria	Compliance Status	Performance
necessary.	<p>accordance with applicable regulations.</p> <ul style="list-style-type: none"> Where a significant (-2) or minor (-1) shortfall with the GAS criteria for Borrow Pit Management (Vegetation) is identified, a management strategy will be implemented as soon as practicable, which will include remedial actions, to meet the GAS Expected Goal (0) or Goal Exceeded (+2). 		<p>initiated, e.g. pre-work toolbox information sessions and weed-spraying events.</p> <p>Pest plants and animals were managed in accordance with Santos' Environment, Health and Safety Management System/ Santos Management System, and the Cooper Basin Pest Plants and Animals Management Plant (PPAMP).</p> <p>Borrow pits are constructed using the Santos Borrow Pit Construction Guidelines which are set out to meet the GAS criteria. No GAS scores were recorded for borrow pit Management</p>
<p>Objective 4:</p> <p>Avoid adverse impacts to surface water and groundwater quality and minimise impacts to third party users.</p>	<p><u>Producing, Injection and Inactive Wells</u></p> <ul style="list-style-type: none"> No uncontrolled flow to surface. 	Not Achieved	<p>There was no uncontrolled flow to surface incidents occurred during this reporting period.</p>
	<p><u>Surface Water and Groundwater Quality and Use</u></p> <ul style="list-style-type: none"> No unauthorised discharge or escape of any liquid (including wastewater, petroleum, processed substance, chemical or fuel) or solid wastes to surface and/or groundwater. No reduction in the capacity of third-party surface water or groundwater users to undertake their respective activities, as a result of regulated activities. No unauthorised extraction of water (or other liquids) from waterways. 	Achieved	<p>No unauthorised discharge or escape of any liquids of solid wastes to surface water occurred during the reporting period</p> <p>There were no incidences of an unauthorised discharge or escape of any liquids of solid wastes to groundwater that occurred during the reporting period.</p> <p>There was no known change in capacity of third-party groundwater users due to production and processing operations on the relevant tenures. Water was extracted from approved locations only</p>

Environmental Objectives	Assessment Criteria	Compliance Status	Performance
	<u>Enhanced Oil Recovery</u> <ul style="list-style-type: none"> Enhanced oil recovery (EOR) schemes are undertaken in accordance with applicable regulatory requirements. 	Achieved	All enhanced oil recovery schemes undertaken have been undertaken in accordance with applicable regulatory requirements.
	<u>Water Affecting Activities</u> <ul style="list-style-type: none"> No new water affecting activities as defined under the NRM Act undertaken unless applicable permits have been obtained. No unauthorised impedance of surface water flow that results in adverse impacts to native flora or fauna and groundwater dependent ecosystems. 	Achieved	<p>There were no new water affecting activities in the relevant tenures in the reporting period.</p> <p>There were no known unauthorised impedances of surface water flow that resulted in adverse impacts to native flora or fauna and groundwater dependent ecosystems.</p>
<u>Objective 5:</u> Avoid damage, disturbance or interference to sites, objects or remains of Aboriginal and/or non-Aboriginal heritage.	<ul style="list-style-type: none"> Aboriginal heritage surveys undertaken and sites are identified. Avoid damage, disturbance or interference to Aboriginal sites, objects or remains ("Aboriginal Heritage") as required by the SA Aboriginal Heritage Act 1988 (AHA). Where damage, disturbance or interference to Aboriginal heritage is unavoidable then application for authorisation in accordance with section 23 of the AHA will be sought and appropriate consultation with Aboriginal parties, as required by section 13 of the AHA*. <p>(*in appropriate circumstances, a 'risk management' approach may be undertaken prior to works commencing.)</p> <ul style="list-style-type: none"> Avoid damage/disturbance to non-aboriginal heritage sites where practicable. 0, +1 or +2 GAS criteria are attained under construction of borrow pits to protect sites of natural, scientific or heritage significance. 	Achieved	<p>Sites identified are recorded on the internal GIS and avoided.</p> <p>Cultural heritage surveys are completed as part of the internal approval for new land disturbances. This information is used to avoid disturbance of interference to aboriginal sites objects or remains.</p> <p>No records of damage, disturbance or interference to Aboriginal sites, objects or remains during the reporting period.</p> <p>No scores were recorded for construction of borrow pits to protect sites of natural, scientific or heritage significance during the reporting period.</p>
<u>Objective 6:</u> Maintain stakeholder	<ul style="list-style-type: none"> No imminent risk of prejudice to security of natural gas supply as a result of failure to identify or maintain 	Achieved	There were no interruptions to natural gas supply, that caused significant social disruption,

Environmental Objectives	Assessment Criteria	Compliance Status	Performance
relationships and minimise disturbance to landowners and/or associated infrastructure.	<p>a physical or procedural barrier, so far as is reasonably practicable.</p> <ul style="list-style-type: none"> On-going fitness-for-purpose of facilities, plant, equipment, machinery or other infrastructure, and management systems, is assessed to ensure security of supply of natural gas. No unresolved reasonable stakeholder complaints. No disruption to landholder activities as a result of regulated activities unless by prior arrangement. Where disturbance is unavoidable or accidental, infrastructure or land use is restored to the satisfaction of the landholder, or as otherwise agreed. 		<p>during the reporting period.</p> <p>During the reporting period, there were no unresolved reasonable stakeholder complaints and minimal disruption to landholder activities unless by prior arrangement.</p> <p>There were no unresolved issues with landholders during the reporting period.</p> <p>Relevant stakeholders are notified of and consulted regarding projects and are provided with information and maps, in accordance with Notice of Entry requirements.</p>
<p>Objective 7:</p> <p>Rehabilitate land affected by regulated activities to agreed standards.</p>	<p>During decommissioning or rehabilitation activities the following applies:</p> <ul style="list-style-type: none"> Where a significant (-2) or minor (-1) shortfall with the Gas Criteria for Rehabilitation of Borrow Pits (Soil, Vegetation, Water Retention, Visual Impacts, Clean and Tidy) is identified, a management strategy will be implemented as soon as practicable, which will include remedial actions, to meet the GAS Expected Goal (0) or Goal Exceeded (+1 or +2). Where a significant (-2) or minor (-1) shortfall with the GAS criteria for Assessing the Rehabilitation of Decommissioned Facilities is identified, a management strategy will be implemented as soon as practicable, which will include remedial actions, to meet the GAS Expected Goal (0) or Goal Exceeded (+1 or +2). Redundant surface plant, equipment and/or ancillary infrastructure to be removed from site and associated area reinstated and rehabilitated. No evidence of waste, redundant equipment/infrastructure or signs and markers on pipeline right of way 		<p>No production facilities were abandoned during the reporting period.</p> <p>During final abandonment flowlines would be abandoned in accordance with the SEO and the requirements of AS2885.</p> <p>The ROW for buried flowlines is restored immediately after construction with the exception of an access track required for flowline monitoring.</p> <p>Lease areas are progressively rehabilitated through a backfill program as detailed in Appendix 1.</p> <p>No scores have been reported for GAS criteria for rehabilitation of borrow pits or Assessing the Rehabilitation of Decommissioned Facilities.</p>

Environmental Objectives	Assessment Criteria	Compliance Status	Performance
	<ul style="list-style-type: none"> • Reinstatement and rehabilitation is progressively undertaken, where appropriate. • Rehabilitation undertaken to the satisfaction of GAS Criteria unless agreement in place with landholder. <p>Note: Contaminated sites rehabilitated in accordance with Objective 2.</p>		