



Petroleum Lease 1094 Tanbar North E

Later Development Plan

Plan Period: 27 October 2021 – 26 October 2026
Holders: Origin Energy C6 Pty Limited 99% (Principal Holder & Operator)
Blue Energy (QLD) Pty Limited 1%
Legislation: *Petroleum Act 1923 (Qld)*

Published on Resources Disclosure Log
RTI Act 2009

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Legislative Requirement		Section
Section 53A(1)(a)	an overview of the activities proposed to be carried out under the PL during the remainder of its term or renewed term.	2
Section 53A(1)(b)	Section 53A(1)(b)(i) - the nature and extent of activities proposed to be carried out under the PL during the year;	2
	Section 53A(1)(b)(ii) - where the activities are proposed to be carried out;	2.1.2
	Section 53A(1)(b)(iii) - the estimated cost of the activities.	2
Section 53A(1)(c)	Section 53A(1)(c)(i) - the location and a verifiable estimate of the amount of petroleum remaining in the reservoir;	2.2.1
	Section 53A(1)(c)(ii) - the standards and procedures used to make the estimate;	2.2.2
	Section 53A(1)(c)(iii) - the rate and amount of production proposed from the reservoir; and Section 53A(1)(c)(v) – a schedule for the proposed production during the plan period;	2.2.3
	Section 53A(1)(c)(iv) - approximately when the proposed production is to start, [if it has not already started];	2.2.4
Section 53A(1)(e)	any other information relevant to the 'development plan criteria' mentioned in section 141 of the Petroleum and Gas (Production and Safety Act 2004 (and section 78 of the 1923 Act, if part 6F (overlapping provisions) of the 1923 Act applies to the PL). This includes whether petroleum production under the PL will be optimised in the best interests of the State, having regard to the public interest.	4
Section 53A(1)(f)	reasons why the plan is considered appropriate.	2.3

Pursuant to the Petroleum Act 1923, Origin Energy C6 Pty Limited (Origin) as Operator of Petroleum Lease 1094 (PL), hereby lodges this Proposed Later Development Plan (LDP) for the period 27 October 2021 to 26 October 2026.

1. Tenure background

The PL was granted to Origin (99%) and Blue Energy (QLD) Pty Ltd (1%) (Blue), the Permit Holders, on 27 October 2021 for a term of ten years (refer to Table 1).

Table 1: Permit Holders and interests relevant to the PL

Permit Holders	Interest
Blue Energy (Qld) Pty Ltd	1%
Origin Energy C6 Pty Limited (Operator)	99%*
Total	100%

* Authorised holder

A condition of the PL is from the date of grant, 27 October 2021 to 31 December 2026, the authorised activities are limited to exploration activities.

The PL covers an area of 80 sub-blocks in the Cooper-Eromanga Basin, southwest Queensland (Figure 1).

The PL is one of eleven Petroleum Leases in the Cooper-Eromanga Basin held by the Permit Holders (Figure 2). These eleven Petroleum Leases overly the Toolebuc Formation, a prospective, continuous unconventional shale play and the target of the exploration activities.

Figure 1: PL sub-blocks applicable to this Later Development Plan.

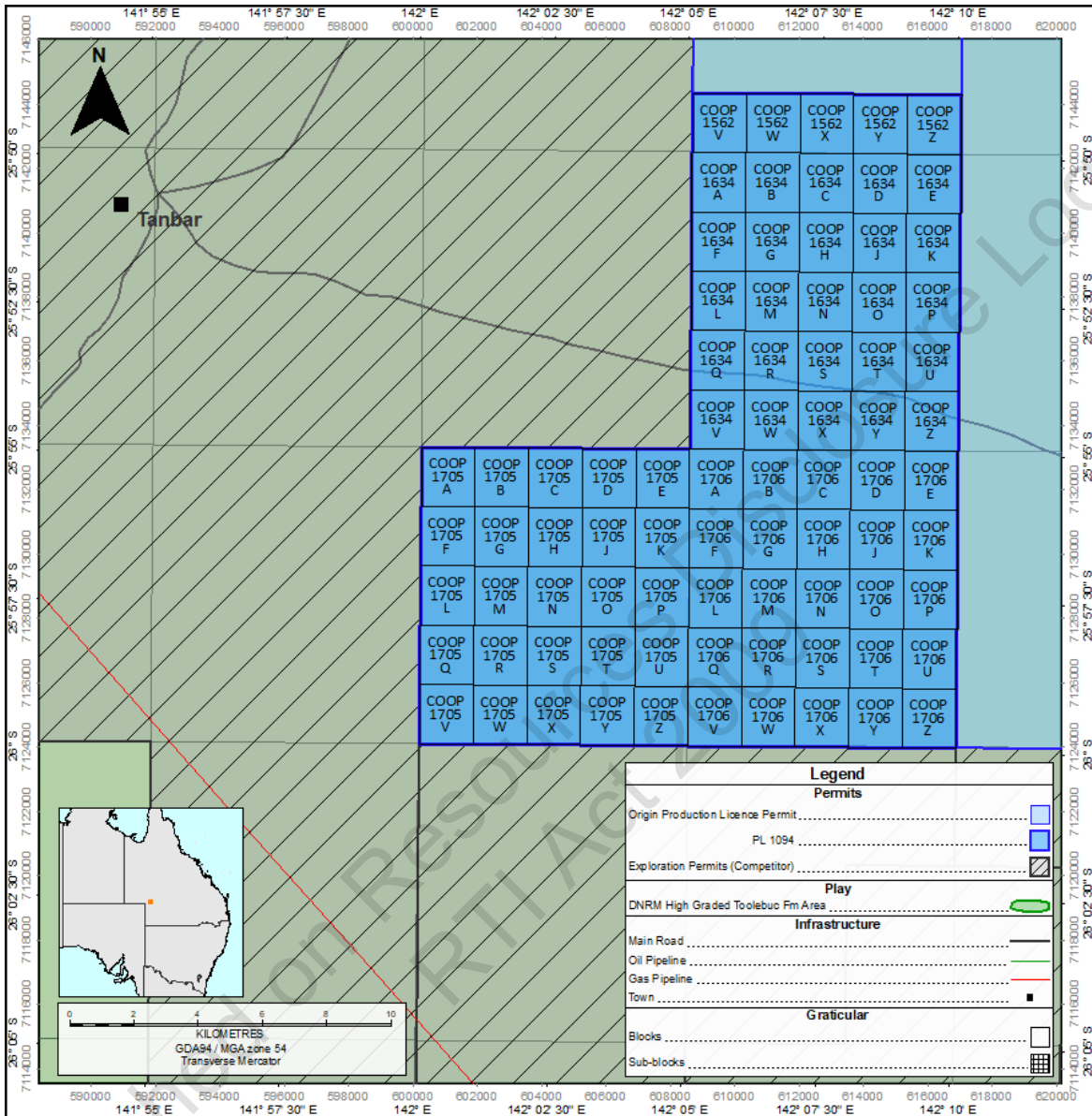
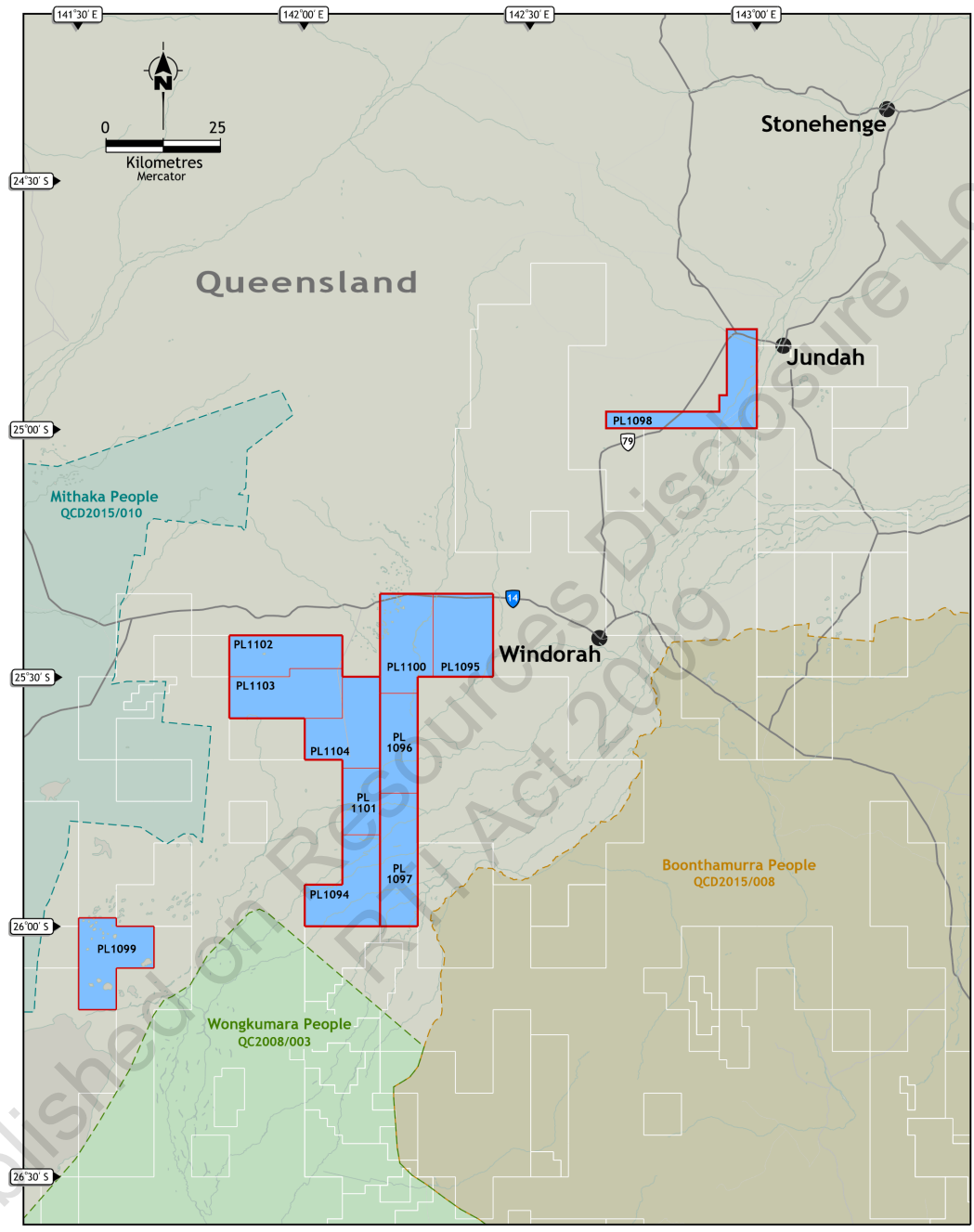


Figure 2: Location of the eleven Cooper-Eromanga Basin Petroleum Leases



Legend

Origin permit	Watercourse
Other permit	Native Title boundary
Town	
Road network	

Eromanga Basin
 Western Queensland

Location Map

2. Proposed Later Development Plan

Condition 8 of the PL - authorised activity is limited to exploration only until 31 December 2026. The following proposed Later Development Plan (LDP) is compliant with this condition.

2.1. Overview of activities proposed to be carried out under the lease

(s.53A(1)(a) Petroleum Act 1923)

This PL has a total of 80 sub-blocks, covering an area of approximately 247 km² (Table 2).

Table 2: Sub-blocks that make up the PL area

BIM	Block(s)	Sub-Block(s)	No. of Sub-blocks
COOP	1562	v, w, x, y and z	5
COOP	1634	ALL	25
COOP	1705	ALL	25
COOP	1706	ALL	25
Total			80

During the period of exploration only, activities will be focused on reducing subsurface uncertainty and refining knowledge to help inform on the nature and extent of the proposed development and production of the petroleum reserves from the PL. The exact location of activities may change during the term of the LDP including relocating activities to another of the eleven Petroleum Leases (see Figure 2). Factors that will be considered when determining the final location of activities include, but are not limited to the following:

- GG&E analysis results and interpretations
- Land access approvals
- Environmental approvals
- Outcomes of environmental scouting (i.e., ecology survey)
- Native Title Agreement implementation
- Cultural Heritage
- Traditional Owner engagement
- Surface conditions for construction (i.e., lease, access)

The period of the proposed LDP is for 5 years. During this 5-year plan term only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. As such, the activities in this LDP for the PL comply with this condition.

Table 3 summarises the activities to be undertaken over the 10-year PL term.

Table 3: Key milestones for the PL

Year	Key Milestones
1	- Planning, design and approvals - Seismic reprocessing - GG&E desktop studies
2	- Planning, design and approvals - GG&E desktop studies
3	- Planning, design and approvals - GG&E desktop studies
4	- Planning, design and approvals - GG&E desktop studies
5	- Planning, design and approvals - GG&E desktop studies
6-10	- Planning, design and approvals - GG&E desktop studies - Commencement & Continuation of Production Activities

2.1.1. Nature and extent of activities proposed to be carried out

(s.53A(1)(b) Petroleum Act 1923)

Table 4 summarise activities to be undertaken over the 5-year prior of this LDP.

2.1.1.1. Plan details

49-Sch4 - Business affairs

2.1.1.2. GG&E

49-Sch4 - Business affairs

2.1.1.3. Seismic

49-Sch4 - Business affairs

2.1.1.4. Wells

49-Sch4 - Business affairs

2.1.1.5. Approvals

Completion of the activities in the proposed LDP are subject to the required approvals being obtained. If the necessary external (to Origin) approvals are not received, then the activities in the proposed LDP may need to be amended and/or delayed into future years or future LDPs.

Land Access

Once activity locations have been identified, Origin will consult with all affected landholders. Origin will follow its Gain Access Core Process (GACP) that supports compliance with all local, state and federal legislation and manages access. The GACP allows Origin to identify land access requirements early and engage landholders well ahead of time as to what activities Origin plans to carry out and the potential impacts for each landholder. This enables Origin to begin discussions, early engagement and timely negotiations so that Origin fully understands each Landholders individual requirements for successful coexistence and operations on their land, and for better long-term sustainable relationships.

Origin will maintain ongoing consultation with all affected landholders from inception through to final site rehabilitation. Origin provides adequate prior notice of all activities to be undertaken as part of its operations, including but not limited to, site inspections, seismic acquisition, well locations, drilling activities, civil construction works and the progress of activities.

In strict accordance with legislative requirements, an entry notice is issue and a compensation agreement negotiated and signed prior to entry onto private and public land.

Native Title

An existing Section 31 agreement is in place for the PL.

A Conjunctive Ancillary Agreement is also in place for the PL which includes a Cultural Heritage Management Plan, Origin shall comply with the terms and conditions of the Ancillary Agreement, including the Cultural Heritage Management (CHMP) as required.

None of the PL is subject to a native title claim or determination. Once activity locations have been identified, Origin will determine whether the activity is within the area covered by either Ancillary Agreement with the Mithaka Aboriginal Corporation (Mithaka). If that is the case, the Cultural Heritage Management Plan in the Ancillary Agreement will be applied, as well as the other relevant terms of the Ancillary Agreement to guide Origin's cultural heritage protection and other exploration activity related engagement with the Mithaka.

If the activity location is outside the area covered by either Ancillary Agreement with the Mithaka, Origin will rely on consultation with Mithaka, Boonthamurra (both with nearby determined native title determinations) and searching the Aboriginal and Torres Strait Islander Cultural Heritage Database and Register to determine which Aboriginal groups to consult with regarding cultural heritage protection and exploration activity. This may require the negotiation of a new Cultural Heritage Management Agreement with the relevant group.

Origin will apply the applicable Cultural Heritage Management Agreement to inform the relevant Aboriginal party about proposed exploration activity and work with them to ensure the area is subject to a cultural heritage survey by Traditional Owners prior to undertaking any ground disturbing work.

Environmental

Origin seeks to operate responsibly and minimise impacts to the environment in which it operates.

Origin has a Health, Safety and Environmental Management System which describes how HSE aspects must be managed. This framework will be implemented during planning and operational periods.

An application for an Environmental Authority (EA) will be made to the Department of Environment and Science (DES). No works can occur on site until the Environmental Authority is granted.

Once the activity locations have been identified, Origin's internal processes will be applied to ensure compliance with Environmental Authority and legislative requirements. This includes conducting an Environmental Constraints Assessment/s and ecology scouting (if required) on the proposed locations to ensure harm to environmental values is minimised, EA compliance is maintained and any additional approvals (e.g. Regional Interests Development Approval) are identified.

2.1.2. Where the activities are proposed to be carried out

The Proposed Work Area of the PL is shown in Figure. Location of the Proposed Work Areas during the 5-year development plan term across the eleven Petroleum Leases is shown in Figure 4.

As noted in section 2.1, there are several factors and constraints that need to be considered when determining final locations; therefore, the exact location of the proposed activities may change during the 5-year development plan term, including relocation to another of the eleven Petroleum Leases.

Assessments and approvals to determine the final locations will take place across several years. Assessments will also take place to determine the location of activities and infrastructure in the second 5-year development plan term (year 6-10).

There are no planned activities to be undertaken on the PL during this 5-year development. Activities are expected to be limited to planning, design & approvals, GG&E and seismic reprocessing, refer to Figure 3

Figure 3: Nature and extent of activities proposed to be carried out on the PL



Figure 4: Nature, location and extent of the proposed 5-year plans



2.2. Underground reservoir in the area of the lease

(s.53A(1)(c) Petroleum Act 1923)

2.2.1. The location and a verifiable estimate of the amount of petroleum in the reservoir



49-Sch4 - Business affairs

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49-Sch4 - Business affairs

Published on Resources Disclosure Log
RTI Act 2009

49-Sch4 - Business affairs

2.2.3. The rate and amount of production proposed from the reservoir

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL.

The Production Commencement Date for the PL is 31 December 2027.

2.2.4. Approximately when the proposed production is to start

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL.

The Production Commencement Date for the PL is 31 December 2027.

2.2.5. A schedule for the proposed production during the plan period

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL.

The Production Commencement Date for the PL is 31 December 2027.

2.3. Reasons that the plan is considered appropriate

(s.53A(1)(f) Petroleum Act 1923)

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. As such this proposed development plan is considered appropriate for the carry out of Exploration Activities only.

3. Overlapping Tenures

For the area of the PL, there are no coal or oil shale mining tenements, Greenhouse Gas authorities or geothermal tenures.

4. Petroleum production will be optimised in the best interests of the State having regard to the public interest

(s. 53A(1)(e) Petroleum Act 1923)

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. During the term of this Development Plan for the PL petroleum production activities cannot occur.

The Holders believe that the proposed activities under the Later Development Plan have been designed using all available data and expert knowledge to optimise the proposed activities in a safe and efficient way.

The Holders are committed to respecting the rights and interests of stakeholders and communities in the area in which they operate. The final locations of the activities will be chosen primarily to optimise knowledge and limit landholder and environmental disturbance.

5. Endorsement

Endorsement of the following for PL 1094:

1. Later Development Plan for the period 27 October 2021 to 26 October 2026

<p>SIGNED for and on behalf of Origin Energy C6 Pty Ltd ABN 68 136 602 947 by its duly authorised representative:</p>	<p>SIGNED for and on behalf of Blue Energy (QLD) Pty Ltd ABN 90 111 757 905 by its duly authorised representative:</p>
<p>49-Sch4 - Personal Information</p>	
<p>Signature of authorised representative</p>	<p>Signature of authorised representative</p>
<p>Full Name: 73(2)Irrelevant</p>	<p>Full Name: 73(2)Irrelevant</p>
<p>Title: General Manager, Upstream Growth</p>	<p>Title: Managing Director/Chief Executive Officer</p>
<p>Date: 22 April 2022</p>	<p>Date: 22 April 2022</p>

4. Petroleum production will be optimised in the best interests of the State having regard to the public interest

(s. 53A(1)(e) Petroleum Act 1923)

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. During the term of this Development Plan for the PL petroleum production activities cannot occur.

The Holders believe that the proposed activities under the Later Development Plan have been designed using all available data and expert knowledge to optimise the proposed activities in a safe and efficient way.

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Endorsement of the following for PL 1094:

1. Later Development Plan for the period 27 October 2021 to 26 October 2026

SIGNED for and on behalf of Origin Energy C6 Pty Ltd ABN 68 136 602 947 by its duly authorised representative:	SIGNED for and on behalf of Blue Energy (QLD) Pty Ltd ABN 90 111 757 905 by its duly authorised representative:	
49-Sch4 - Personal Information	49-Sch4 - Personal Information	
Signature of authorised representative	Signature of authorised representative	
Full Name: 73(2)Irrelevant	Full Name: 73(2)Irrelevant	
Title: General Manager, Upstream Growth	Title: Managing Director/Chief Executive Officer	
Date: 22 April 2022	Date: 22 April 2022	



Petroleum Lease 1095 Windorah A

Later Development Plan

Plan Period: 27 October 2021 to 26 October 2026
Holders: Origin Energy C6 Pty Limited 99% (Principal Holder & Operator)
Blue Energy (QLD) Pty Limited 1%
Legislation: *Petroleum Act 1923 (Qld)*

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Section 53A(1)(b)	Section 53A(1)(b)(i) - the nature and extent of activities proposed to be carried out under the PL during the year;	2
	Section 53A(1)(b)(ii) - where the activities are proposed to be carried out;	2.1.2
	Section 53A(1)(b)(iii) - the estimated cost of the activities.	2
Section 53A(1)(c)	Section 53A(1)(c)(i) - the location and a verifiable estimate of the amount of petroleum remaining in the reservoir;	2.2.1
	Section 53A(1)(c)(ii) - the standards and procedures used to make the estimate;	2.2.2
	Section 53A(1)(c)(iii) - the rate and amount of production proposed from the reservoir; and Section 53A(1)(c)(v) – a schedule for the proposed production during the plan period;	2.2.3
	Section 53A(1)(c)(iv) - approximately when the proposed production is to start, [if it has not already started];	2.2.4
Section 53A(1)(e)	any other information relevant to the 'development plan criteria' mentioned in section 141 of the Petroleum and Gas (Production and Safety Act 2004 (and section 78 of the 1923 Act, if part 6F (overlapping provisions) of the 1923 Act applies to the PL). This includes whether petroleum production under the PL will be optimised in the best interests of the State, having regard to the public interest.	4
Section 53A(1)(f)	reasons why the plan is considered appropriate.	2.3

Pursuant to the Petroleum Act 1923, Origin Energy C6 Pty Limited (Origin) as Operator of Petroleum Lease 1095 (PL), hereby lodges this Proposed Later Development Plan (LDP) for the period 27 October 2021 to 26 October 2026.

1. Tenure background

The PL was granted to Origin (99%) and Blue Energy (QLD) Pty Ltd (1%) (Blue), the Permit Holders, on 27 October 2021 for a term of ten years (refer to Table 1).

Table 1: Permit Holders and interests relevant to the PL

Permit Holders	Interest
Blue Energy (Qld) Pty Ltd	1%
Origin Energy C6 Pty Limited (Operator)	99%*
Total	100%

* Authorised holder

A condition of the PL is from the date of grant, 27 October 2021 to 31 December 2026, the authorised activities are limited to exploration activities.

The PL covers an area of 80 sub-blocks in the Cooper-Eromanga Basin, southwest Queensland (Figure 1).

The PL is one of eleven Petroleum Leases in the Cooper-Eromanga Basin held by the Permit Holders (Figure 2). These eleven Petroleum Leases overly the Toolebuc Formation, a prospective, continuous unconventional shale play and the target of the exploration activities.

Figure 1: PL sub-blocks applicable to this Later Development Plan.

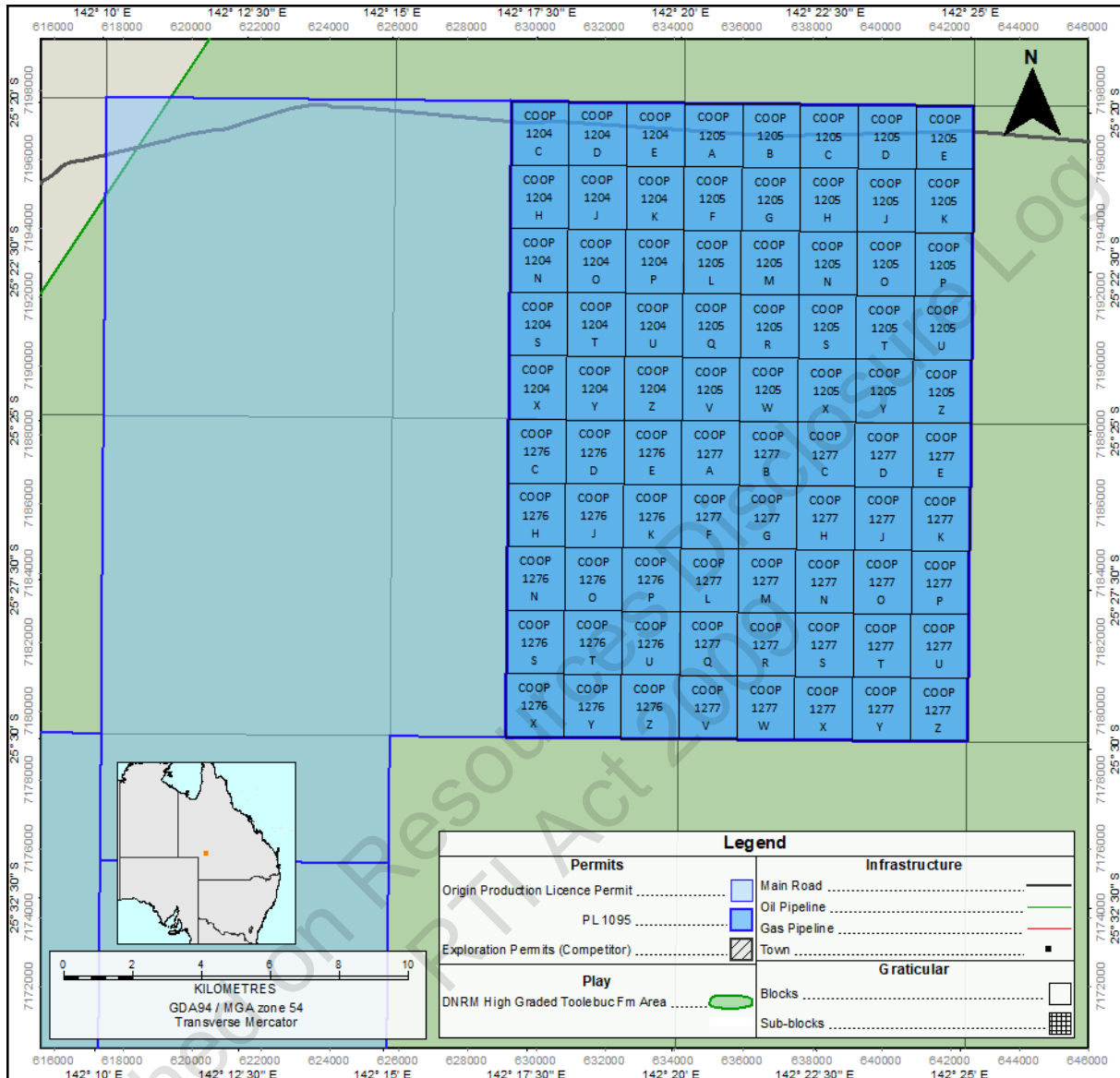
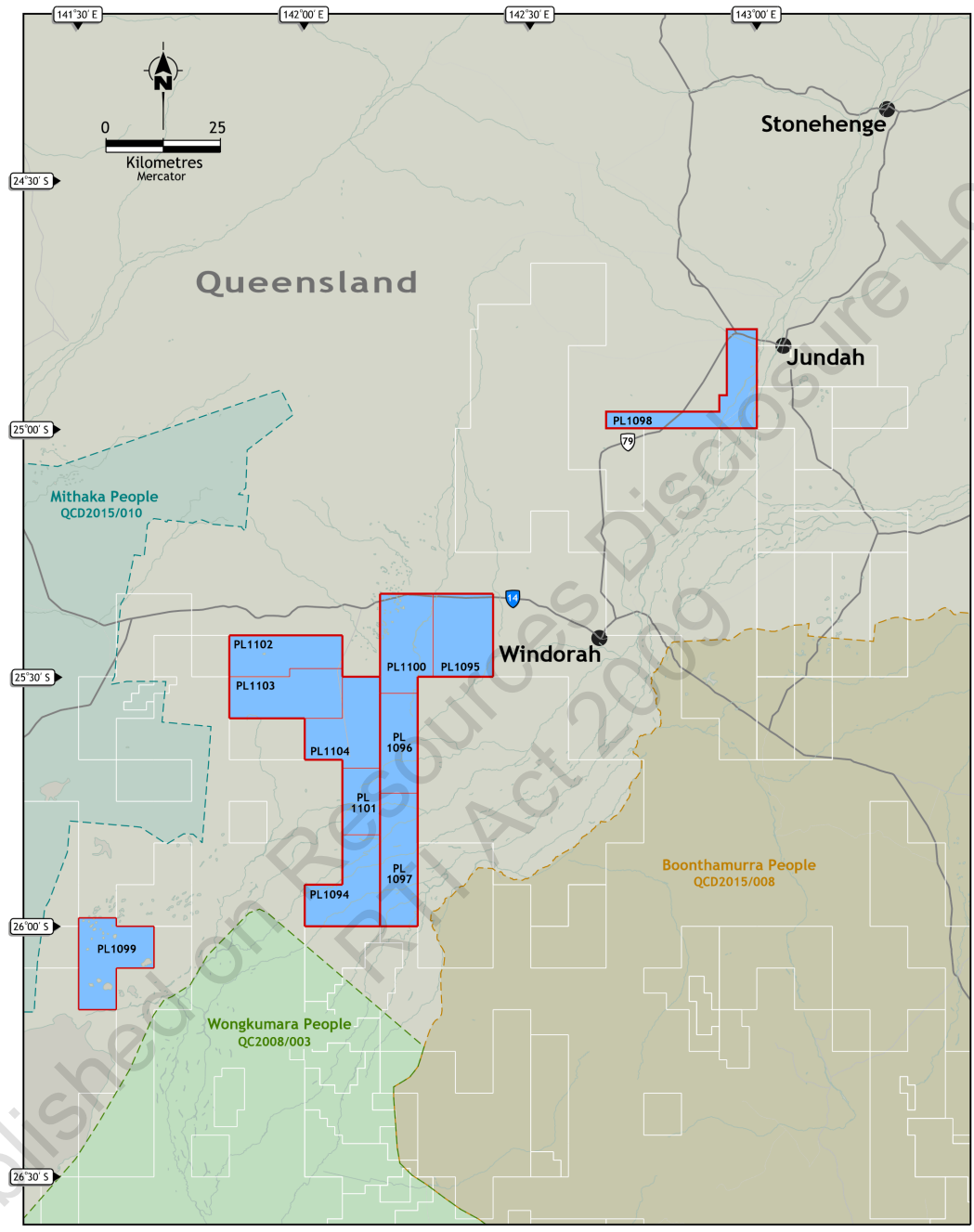


Figure 2: Location of the eleven Cooper-Eromanga Basin Petroleum Leases



Legend

Origin permit	Watercourse
Other permit	Native Title boundary
Town	
Road network	

Eromanga Basin
 Western Queensland

Location Map

2. Proposed Later Development Plan

Condition 8 of the PL - authorised activity is limited to exploration only to 31 December 2026. The following proposed Later Development Plan (LDP) is consistent with this condition.

2.1. Overview of activities proposed to be carried out under the lease

(s.53A(1)(a) Petroleum Act 1923)

This PL has a total of 80 sub-blocks, covering an area of approximately 248 km² (Table 2).

Table 2: Sub-blocks that make up the PL area

BIM	Block(s)	Sub-Block(s)	No. of Sub-blocks
COOP	1204	c, d, e, h, j, k, n, o, p, s, t, u, x, y and z	15
COOP	1205	ALL	25
COOP	1276	c, d, e, h, j, k, n, o, p, s, t, u, x, y and z	15
COOP	1277	ALL	25
Total			80

During the period of exploration only, activities will be focused on reducing subsurface uncertainty and refining knowledge to help inform on the nature and extent of the proposed development and production of the petroleum reserves from the PL. The exact location of activities may change during the term of the LDP including relocating activities to another of the eleven Petroleum Leases (see Figure 2). Factors that will be considered when determining the final location of activities include, but are not limited to the following:

- GG&E analysis results and interpretations
- Land access approvals
- Environmental approvals
- Outcomes of environmental scouting (i.e., ecology survey)
- Native Title Agreement implementation
- Cultural Heritage
- Traditional Owner engagement
- Surface conditions for construction (i.e., lease, access)

The period of the proposed LDP is for 5 years. During this 5-year plan term only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. As such, the activities in this LDP for the PL comply with this condition.

Table 3 summarises the activities to be undertaken over the 10-year PL term.

Table 3: Key milestones for the PL

Year	Key Milestones
1	- Planning, design and approvals - Seismic reprocessing - GG&E
2	- Planning, design and approvals - GG&E
3	- Planning, design and approvals - GG&E
4	- Planning, design and approvals - GG&E
5	- Planning, design and approvals - GG&E
6-10	- Planning, design and approvals - GG&E - Commencement & Continuation of Production Activities

2.1.1. Nature and extent of activities proposed to be carried out during the year

(s.53A(1)(b) Petroleum Act 1923)

Table 4 summarise activities to be undertaken over the 5-year prior of this LDP.

2.1.1.1. Plan Details

<p>49-Sch4 - Business affairs</p>

2.1.1.2. GG&E

49-Sch4 - Business affairs

2.1.1.3. Seismic

49-Sch4 - Business affairs

2.1.1.4. Wells

49-Sch4 - Business affairs

2.1.1.5. Approvals

Completion of the activities in the proposed LDP are subject to the required approvals being obtained. If the necessary external (to Origin) approvals are not received, then the activities in the proposed LDP may need to be amended and/or delayed into future years or future LDPs.

Land Access

Once activity locations have been identified, Origin will consult with all affected landholders. Origin will follow its Gain Access Core Process (GACP) that supports compliance with all local, state and federal legislation and manages access. The GACP allows Origin to identify land access requirements early and engage landholders well ahead of time as to what activities Origin plans to carry out and the potential impacts for each landholder. This enables Origin to begin discussions, early engagement and timely negotiations so that Origin fully understands each Landholders individual requirements for successful coexistence and operations on their land, and for better long-term sustainable relationships.

Origin will maintain ongoing consultation with all affected landholders from inception through to final site rehabilitation. Origin provides adequate prior notice of all activities to be undertaken as part of its operations, including but not limited to, site inspections, seismic acquisition, well locations, drilling activities, civil construction works and the progress of activities.

In strict accordance with legislative requirements, an entry notice is issue and a compensation agreement negotiated and signed prior to entry onto private and public land.

Native Title

An existing Section 31 agreement is in place for the PL.

A Conjunctive Ancillary Agreement is also in place for the PL which includes a Cultural Heritage Management Plan, Origin shall comply with the terms and conditions of the Ancillary Agreement, including the Cultural Heritage Management (CHMP) as required.

None of the PL is subject to a native title claim or determination. Once activity locations have been identified, Origin will determine whether the activity is within the area covered by either Ancillary Agreement with the Mithaka Aboriginal Corporation (Mithaka). If that is the case, the Cultural Heritage Management Plan in the Ancillary Agreement will be applied, as well as the other relevant terms of the Ancillary Agreement to guide Origin's cultural heritage protection and other exploration activity related engagement with the Mithaka.

If the activity location is outside the area covered by either Ancillary Agreement with the Mithaka, Origin will rely on consultation with Mithaka, Boonthamurra (both with nearby determined native title determinations) and searching the Aboriginal and Torres Strait Islander Cultural Heritage Database and Register to determine which Aboriginal groups to consult with regarding cultural heritage protection and exploration activity. This may require the negotiation of a new Cultural Heritage Management Agreement with the relevant group.

Origin will apply the applicable Cultural Heritage Management Agreement to inform the relevant Aboriginal party about proposed exploration activity and work with them to ensure the area is subject to a cultural heritage survey by Traditional Owners prior to undertaking any ground disturbing work.

Environmental

Origin seeks to operate responsibly and minimise impacts to the environment in which it operates.

Origin has a Health, Safety and Environmental Management System which describes how HSE aspects must be managed. This framework will be implemented during planning and operational periods.

An application for an Environmental Authority (EA) will be made to the Department of Environment and Science (DES). No works can occur on site until the Environmental Authority is granted.

Once the activity locations have been identified, Origin's internal processes will be applied to ensure compliance with Environmental Authority and legislative requirements. This includes conducting an Environmental Constraints Assessment/s and ecology scouting (if required) on the proposed locations to ensure harm to environmental values is minimised, EA compliance is maintained and any additional approvals (e.g., Regional Interests Development Approval) are identified.

2.1.2. Where the activities are proposed to be carried out

The Proposed Work Area of the PL is shown in Figure 3. Location of the Proposed Work Areas during the 5-year development plan term across the eleven Petroleum Leases is shown in Figure 4.

As noted in section 2.1, there are several factors and constraints that need to be considered when determining final locations; therefore, the exact location of the proposed activities may change during the 5-year development plan term, including relocation to another of the eleven Petroleum Leases.

Assessments and approvals to determine the final locations will take place across several years. Assessments will also take place to determine the location of activities and infrastructure in the second 5-year development plan term (year 6-10).

There are no planned activities to be undertaken on the PL during this 5-year development. Activities are expected to be limited to planning, design & approvals, GG&E and seismic reprocessing, refer to Figure 3.

Figure 3: Nature and extent of activities proposed to be carried out on the PL



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Figure 4: Nature, location and extent of the proposed 5-year plan



2.2. Underground reservoir in the area of the lease

(s.53A(1)(c) Petroleum Act)

2.2.1. The location and a verifiable estimate of the amount of petroleum in the reservoir



49-Sch4 - Business affairs

Published on Resources Disclosure Log
RTI Act 2009

49-Sch4 - Business affairs

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49-Sch4 - Business affairs

2.2.3. The rate and amount of production proposed from the reservoir

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL.

The Production Commencement Date for the PL is 31 December 2027.

2.2.4. Approximately when the proposed production is to start

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL.

The Production Commencement Date for the PL is 31 December 2027.

2.2.5. A schedule for the proposed production during the plan period

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL.

The Production Commencement Date for the PL is 31 December 2027.

2.3. Reasons that the plan is considered appropriate

(s.53A(1)(f) Petroleum Act 1923)

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. As such this proposed development plan is considered appropriate for the carry out of Exploration Activities only.

3. Overlapping Tenures

For the area of the PL, there are no coal or oil shale mining tenements, Greenhouse Gas authorities or geothermal tenures.

4. Petroleum production will be optimised in the best interests of the State having regard to the public interest

(s.53A(1)(e) Petroleum Act 1923)

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. During the term of this Development Plan for the PL petroleum production activities cannot occur.

The Holders believe that the proposed activities under the Later Development Plan have been designed using all available data and expert knowledge to optimise the proposed activities in a safe and efficient way.

The Holders are committed to respecting the rights and interests of stakeholders and communities in the area in which they operate. The final locations of the activities will be chosen primarily to optimise knowledge and limit landholder and environmental disturbance.

5. Endorsement

Endorsement of the following for PL 1095:

1. Later Development Plan for the period 27 October 2021 to 26 October 2026

<p>SIGNED for and on behalf of Origin Energy C6 Pty Ltd ABN 68 136 602 947 by its duly authorised representative:</p>	<p>SIGNED for and on behalf of Blue Energy (QLD) Pty Ltd ABN 90 111 757 905 by its duly authorised representative:</p>
<p>49-Sch4 - Personal Information</p>	
<p>Signature of authorised representative</p> <p>Full Name: 73(2)Irrelevant</p>	<p>Signature of authorised representative</p> <p>Full Name: 73(2)Irrelevant</p>
<p>Title: General Manager, Upstream Growth</p>	<p>Title: Managing Director/Chief Executive Officer</p>
<p>Date: 22 April 2022</p>	<p>Date: 22 April 2022</p>

4. Petroleum production will be optimised in the best interests of the State having regard to the public interest

(s.53A(1)(e) Petroleum Act 1923)

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. During the term of this Development Plan for the PL petroleum production activities cannot occur.

The Holders believe that the proposed activities under the Later Development Plan have been designed using all available data and expert knowledge to optimise the proposed activities in a safe and efficient way.

The Holders are committed to respecting the rights and interests of stakeholders and communities in the area in which they operate. The final locations of the activities will be chosen primarily to optimise knowledge and limit landholder and environmental disturbance.

5. Endorsement

Endorsement of the following for PL 1095:

1. Later Development Plan for the period 27 October 2021 to 26 October 2026

SIGNED for and on behalf of Origin Energy C6 Pty Ltd ABN 68 136 602 947 by its duly authorised representative:		SIGNED for and on behalf of Blue Energy (QLD) Pty Ltd ABN 90 111 757 905 by its duly authorised representative:	
49-Sch4 - Personal Information		49-Sch4 - Personal Information	
Signature of authorised representative		Signature of authorised representative	
Full Name: 73(2)Irrelevant		Full Name: 73(2)Irrelevant	
Title: General Manager, Upstream Growth		Title: Managing Director/Chief Executive Officer	
Date: 22 April 2022		Date: 22 April 2022	



Petroleum Lease 1096 Windorah C

Later Development plan

Plan Period: 27 October 2021 to 26 October 2026
Holders: Origin Energy C6 Pty Limited 99% (Principal Holder & Operator)
Blue Energy (QLD) Pty Limited 1%
Legislation: *Petroleum Act 1923 (Qld)*

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RTI Act 2009

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Section 53A(1)(b)	Section 53A(1)(b)(i) - the nature and extent of activities proposed to be carried out under the PL during the year;	2
	Section 53A(1)(b)(ii) - where the activities are proposed to be carried out;	2.1.2
	Section 53A(1)(b)(iii) - the estimated cost of the activities.	2
Section 53A(1)(c)	Section 53A(1)(c)(i) - the location and a verifiable estimate of the amount of petroleum remaining in the reservoir;	2.2.1
	Section 53A(1)(c)(ii) - the standards and procedures used to make the estimate;	2.2.2
	Section 53A(1)(c)(iii) - the rate and amount of production proposed from the reservoir; and Section 53A(1)(c)(v) – a schedule for the proposed production during the plan period;	2.2.3
	Section 53A(1)(c)(iv) - approximately when the proposed production is to start, [if it has not already started];	2.2.4
Section 53A(1)(e)	any other information relevant to the 'development plan criteria' mentioned in section 141 of the Petroleum and Gas (Production and Safety Act 2004 (and section 78 of the 1923 Act, if part 6F (overlapping provisions) of the 1923 Act applies to the PL). This includes whether petroleum production under the PL will be optimised in the best interests of the State, having regard to the public interest.	4
Section 53A(1)(f)	reasons why the plan is considered appropriate.	2.3

Pursuant to the Petroleum Act 1923, Origin Energy C6 Pty Limited (Origin) as Operator of Petroleum Lease 1096 (PL), hereby lodges this Proposed Later Development Plan (LDP) for the period 27 October 2021 to 26 October 2026.

1. Tenure background

The PL was granted to Origin (99%) and Blue Energy (QLD) Pty Ltd (1%) (Blue), the Permit Holders, on 27 October 2021 for a term of ten years (refer to Table 1).

Table 1: Permit Holders and interests relevant to the PL

Permit Holders	Interest
Blue Energy (Qld) Pty Ltd	1%
Origin Energy C6 Pty Limited (Operator)	99%*
Total	100%

* Authorised holder

A condition of the PL is from the date of grant, 27 October 2021 to 31 December 2026, the authorised activities are limited to exploration activities.

The PL covers an area of 60 sub-blocks in the Cooper-Eromanga Basin, southwest Queensland (Figure 1).

The PL is one of eleven Petroleum Leases in the Cooper-Eromanga Basin held by the Permit Holders (Figure 2). These eleven Petroleum Leases overly the Toolebuc Formation, a prospective, continuous unconventional shale play and the target of the exploration activities.

Figure 1: PL sub-blocks applicable to this Later Development Plan.

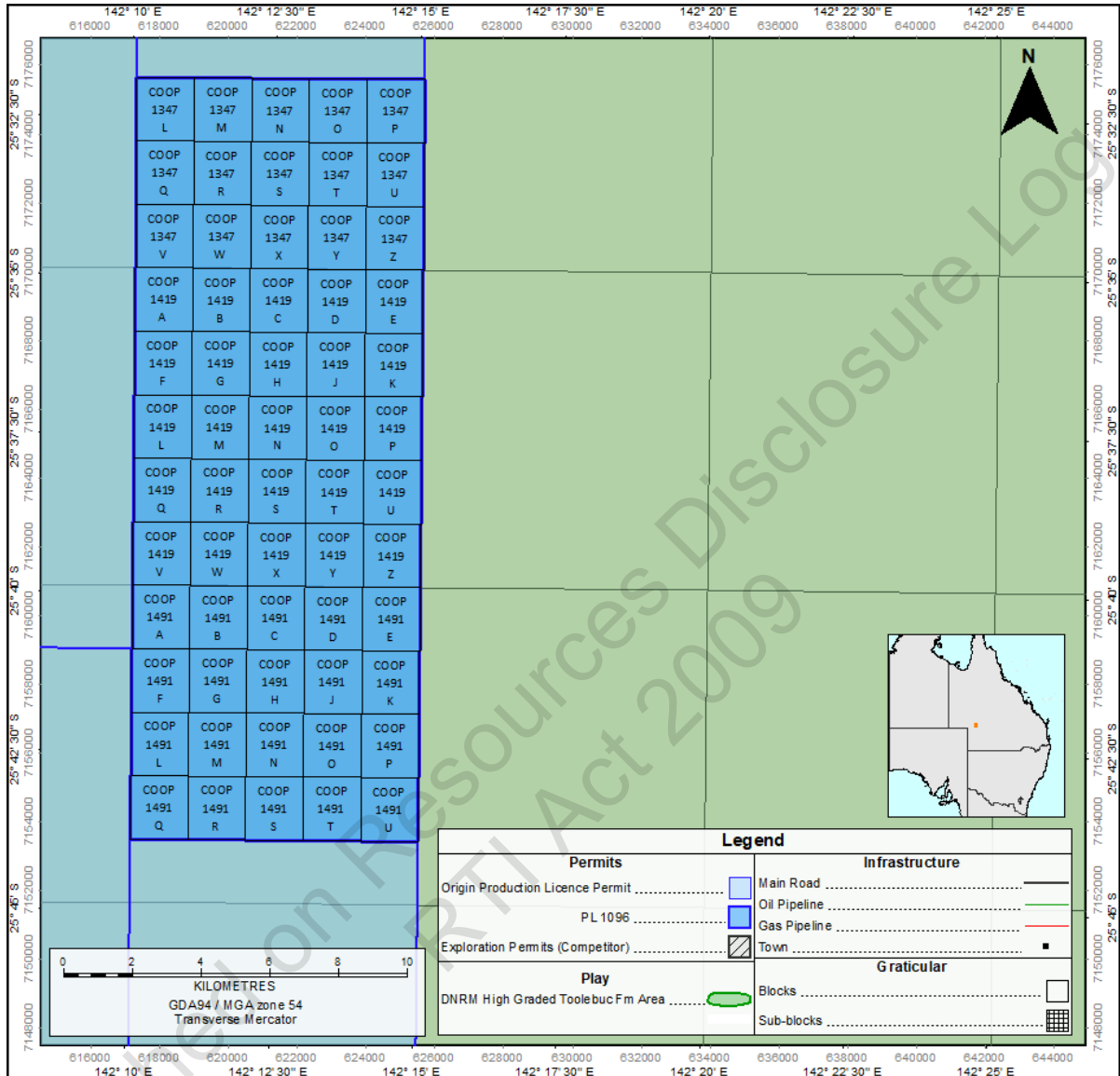
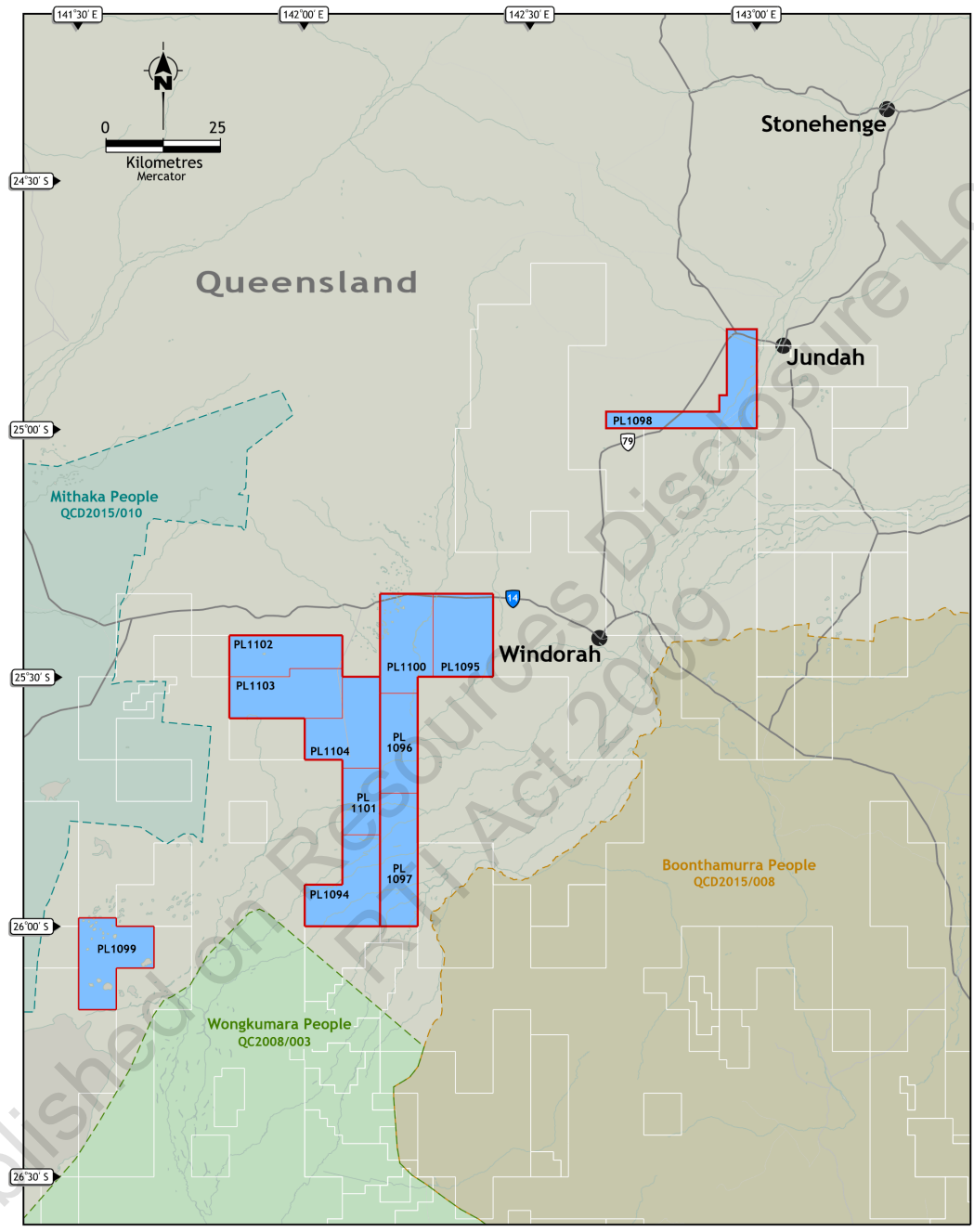








Figure 2: Location of the eleven Cooper-Eromanga Basin Petroleum Leases



Legend

 Origin permit	 Watercourse
 Other permit	 Native Title boundary
 Town	
 Road network	

 **Eromanga Basin**
 Western Queensland

Location Map

2. Proposed Later Development Plan

Condition 8 of the PL - authorised activity is limited to exploration only to 31 December 2026. The following proposed Later Development Plan (LDP) is consistent with this condition.

2.1. Overview of activities proposed to be carried out under the lease

(s.53A(1)(a) Petroleum Act 1923)

This PL has a total of 60 sub-blocks, covering an area of approximately 186 km² (Table 2).

Table 2: Sub-blocks that make up the PL area

BIM	Block(s)	Sub-Block(s)	No. of Sub-blocks
COOP	1347	l, m, n, o, p, q, r, s, t, u, v, w, x, y and z	15
COOP	1419	ALL	25
COOP	1491	a, b, c, d, e, f, g, h, j, k, l, m, n, o, p, q, r, s, t and u	20
Total			60

During the period of exploration only, activities will be focused on reducing subsurface uncertainty and refining knowledge to help inform on the nature and extent of the proposed development and production of the petroleum reserves from the PL. The exact location of activities may change during the term of the LDP including relocating activities to another of the eleven Petroleum Leases (see Figure 2). Factors that will be considered when determining the final location of activities include, but are not limited to the following:

- GG&E analysis results and interpretations
- Land access approvals
- Environmental approvals
- Outcomes of environmental scouting (i.e., ecology survey)
- Native Title Agreement implementation
- Cultural Heritage
- Traditional Owner engagement
- Surface conditions for construction (i.e., lease, access)

The period of the proposed LDP is for 5 years. During this 5-year plan term only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. As such, the activities in this LDP for the PL comply with this condition.

Table 3 summarises the activities to be undertaken over the 10-year PL term.

Table 3: Key milestones for the PL

Year	Key Milestones
1	- Planning, design and approvals - Seismic Reprocessing - GG&E
2	- Planning, design and approvals - GG&E
3	- Planning, design and approvals - GG&E
4	- Planning, design and approvals - GG&E
5	- Planning, design and approvals - GG&E
6-10	- Planning, design and approvals - GG&E - Commencement & Continuation of Production Activities

2.1.1. Nature and extent of activities proposed to be carried out during the year

(s.53A(1)(b) Petroleum Act 1923)

Table 4 summarise activities to be undertaken over the 5-year prior of this LDP.

2.1.1.1. Plan details

The exploration activities by year and estimated cost for the PL are shown in Table 4.

Table 4: Activities and estimated costs for each year of the 5-year development plan

49-Sch4 - Business affairs

2.1.1.2. GG&E

49-Sch4 - Business affairs

2.1.1.3. Seismic

49-Sch4 - Business affairs

2.1.1.4. Wells

49-Sch4 - Business affairs

2.1.1.5. Approvals

Completion of the activities in the proposed LDP are subject to the required approvals being obtained. If the necessary external (to Origin) approvals are not received, then the activities

in the proposed LDP may need to be amended and/or delayed into future years or future LDPs.

Land Access

Once activity locations have been identified, Origin will consult with all affected landholders. Origin will follow its Gain Access Core Process (GACP) that supports compliance with all local, state and federal legislation and manages access. The GACP allows Origin to identify land access requirements early and engage landholders well ahead of time as to what activities Origin plans to carry out and the potential impacts for each landholder. This enables Origin to begin discussions, early engagement and timely negotiations so that Origin fully understands each Landholders individual requirements for successful coexistence and operations on their land, and for better long-term sustainable relationships.

Origin will maintain ongoing consultation with all affected landholders from inception through to final site rehabilitation. Origin provides adequate prior notice of all activities to be undertaken as part of its operations, including but not limited to, site inspections, seismic acquisition, well locations, drilling activities, civil construction works and the progress of activities.

In strict accordance with legislative requirements, an entry notice is issue and a compensation agreement negotiated and signed prior to entry onto private and public land.

Native Title

An existing Section 31 agreement is in place for the PL.

A Conjunctive Ancillary Agreement is also in place for the PL which includes a Cultural Heritage Management Plan, Origin shall comply with the terms and conditions of the Ancillary Agreement, including the Cultural Heritage Management (CHMP) as required.

None of the PL is subject to a native title claim or determination. Once activity locations have been identified, Origin will determine whether the activity is within the area covered by either Ancillary Agreement with the Mithaka Aboriginal Corporation (Mithaka). If that is the case, the Cultural Heritage Management Plan in the Ancillary Agreement will be applied, as well as the other relevant terms of the Ancillary Agreement to guide Origin's cultural heritage protection and other exploration activity related engagement with the Mithaka.

If the activity location is outside the area covered by either Ancillary Agreement with the Mithaka, Origin will rely on consultation with Mithaka, Boonthamurra (both with nearby determined native title determinations) and searching the Aboriginal and Torres Strait Islander Cultural Heritage Database and Register to determine which Aboriginal groups to consult with regarding cultural heritage protection and exploration activity. This may require the negotiation of a new Cultural Heritage Management Agreement with the relevant group.

Origin will apply the applicable Cultural Heritage Management Agreement to inform the relevant Aboriginal party about proposed exploration activity and work with them to ensure the area is subject to a cultural heritage survey by Traditional Owners prior to undertaking any ground disturbing work.

Environmental

Origin seeks to operate responsibly and minimise impacts to the environment in which it operates.

Origin has a Health, Safety and Environmental Management System which describes how HSE aspects must be managed. This framework will be implemented during planning and operational periods.

An application for an Environmental Authority (EA) will be made to the Department of Environment and Science (DES). No works can occur on site until the Environmental Authority is granted.

Once the activity locations have been identified, Origin's internal processes will be applied to ensure compliance with Environmental Authority and legislative requirements. This includes conducting an Environmental Constraints Assessment/s and ecology scouting (if required) on the proposed locations to ensure harm to environmental values is minimised, EA compliance is maintained and any additional approvals (e.g., Regional Interests Development Approval) are identified.

2.1.2. Where the activities are proposed to be carried out

The proposed work area of the PL is shown in Figure 3. Location of the Proposed Work Areas during the 5-year development plan term across the eleven Petroleum Leases is shown in Figure 4.

As noted in section 2.1, there are several factors and constraints that need to be considered when determining final locations; therefore, the exact location of the proposed activities may change during the 5-year development plan term, including relocation to another of the eleven Petroleum Leases.

Assessments and approvals to determine the final locations will take place across several years. Assessments will also take place to determine the location of activities and infrastructure in the second 5-year development plan term (year 6-10).

There are no planned activities to be undertaken on the PL during this 5-year development. Activities are expected to be limited to planning, design & approvals, GG&E and seismic reprocessing, refer to Figure 3.

Figure 3: Nature and extent of activities proposed to be carried out on the PL



Figure 4: Nature, location and extent of the proposed 5-year plan



2.2. Underground reservoir in the area of the lease

(s.53A(1)(c) Petroleum Act)

2.2.1. The location and a verifiable estimate of the amount of petroleum in the reservoir



49-Sch4 - Business affairs

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49-Sch4 - Business affairs

49-Sch4 - Business affairs

2.2.3. The rate and amount of production proposed from the reservoir

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL.

The Production Commencement Date for the PL is 31 December 2027.

2.2.4. Approximately when the proposed production is to start

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL.

The Production Commencement Date for the PL is 31 December 2027.

2.2.5. A schedule for the proposed production during the plan period

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL.

The Production Commencement Date for the PL is 31 December 2027.

2.3. Reasons that the plan is considered appropriate

(s.53A(1)(f) Petroleum Act 1923)

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. As such this proposed development plan is considered appropriate for the carry out of Exploration Activities only.

3. Overlapping Tenures

For the area of the PL, there are no coal or oil shale mining tenements, Greenhouse Gas authorities or geothermal tenures.

4. Petroleum production will be optimised in the best interests of the State having regard to the public interest

(s.53A(1)(e) Petroleum Act 1923)

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. During the term of this Development Plan for the PL petroleum production activities cannot occur.

The Holders believe that the proposed activities under the Later Development Plan have been designed using all available data and expert knowledge to optimise the proposed activities in a safe and efficient way.

The Holders are committed to respecting the rights and interests of stakeholders and communities in the area in which they operate. The final locations of the activities will be chosen primarily to optimise knowledge and limit landholder and environmental disturbance.

5. Endorsement

Endorsement of the following for PL 1096:

1. Later Development Plan for the period 27 October 2021 to 26 October 2026

SIGNED for and on behalf of Origin Energy C6 Pty Ltd ABN 68 136 602 947 by its duly authorised representative:	SIGNED for and on behalf of Blue Energy (QLD) Pty Ltd ABN 90 111 757 905 by its duly authorised representative:
49-Sch4 - Personal Information	
Signature of authorised representative	Signature of authorised representative
Full Name: 73(2)Irrelevant	Full Name: 73(2)Irrelevant
Title: General Manager, Upstream Growth	Title: Managing Director/Chief Executive Officer
Date: 22 April 2022	Date: 22 April 2022

4. Petroleum production will be optimised in the best interests of the State having regard to the public interest

(s.53A(1)(e) Petroleum Act 1923)

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. During the term of this Development Plan for the PL petroleum production activities cannot occur.

The Holders believe that the proposed activities under the Later Development Plan have been designed using all available data and expert knowledge to optimise the proposed activities in a safe and efficient way.

The Holders are committed to respecting the rights and interests of stakeholders and communities in the area in which they operate. The final locations of the activities will be chosen primarily to optimise knowledge and limit landholder and environmental disturbance.

5. Endorsement

Endorsement of the following for PL 1096:

1. Later Development Plan for the period 27 October 2021 to 26 October 2026

SIGNED for and on behalf of Origin Energy C6 Pty Ltd ABN 68 136 602 947 by its duly authorised representative:		SIGNED for and on behalf of Blue Energy (QLD) Pty Ltd ABN 90 111 757 905 by its duly authorised representative:	
49-Sch4 - Personal Information		49-Sch4 - Personal Information	
Signature of authorised representative		Signature of authorised representative	
Full Name 73(2)Irrelevant		Full Name 73(2)Irrelevant	
Title: General Manager, Upstream Growth		Title: Managing Director/Chief Executive Officer	
Date: 22 April 2022		Date: 22 April 2022	



Petroleum Lease 1097 Windorah D

Later Development Plan

Plan Period: 27 October 2021 to 26 October 2026
Holders: Origin Energy C6 Pty Limited 99% (Principal Holder & Operator)
Blue Energy (QLD) Pty Limited 1%
Legislation: *Petroleum Act 1923 (Qld)*

Published on Resources Disclosure Log
RTI Act 2009

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Section 53A(1)(b)	Section 53A(1)(b)(i) - the nature and extent of activities proposed to be carried out under the PL during the year;	2
	Section 53A(1)(b)(ii) - where the activities are proposed to be carried out;	2.1.2
	Section 53A(1)(b)(iii) - the estimated cost of the activities.	2
Section 53A(1)(c)	Section 53A(1)(c)(i) - the location and a verifiable estimate of the amount of petroleum remaining in the reservoir;	2.2.1
	Section 53A(1)(c)(ii) - the standards and procedures used to make the estimate;	2.2.2
	Section 53A(1)(c)(iii) - the rate and amount of production proposed from the reservoir; and Section 53A(1)(c)(v) – a schedule for the proposed production during the plan period;	2.2.3
	Section 53A(1)(c)(iv) - approximately when the proposed production is to start, [if it has not already started];	2.2.4
Section 53A(1)(e)	any other information relevant to the 'development plan criteria' mentioned in section 141 of the Petroleum and Gas (Production and Safety Act 2004 (and section 78 of the 1923 Act, if part 6F (overlapping provisions) of the 1923 Act applies to the PL). This includes whether petroleum production under the PL will be optimised in the best interests of the State, having regard to the public interest.	4
Section 53A(1)(f)	reasons why the plan is considered appropriate.	2.3

Pursuant to the Petroleum Act 1923, Origin Energy C6 Pty Limited (Origin) as Operator of Petroleum Lease 1097 (PL), hereby lodges this Proposed Later Development Plan for the period 27 October 2021 to 26 October 2026.

1. Tenure background

The PL was granted to Origin (99%) and Blue Energy (QLD) Pty Ltd (1%) (Blue), the Permit Holders, on 27 October 2021 for a term of ten years (refer to Table 1).

Table 1: Permit Holders and interests relevant to the PL

Permit Holders	Interest
Blue Energy (Qld) Pty Ltd	1%
Origin Energy C6 Pty Limited (Operator)	99%*
Total	100%

* Authorised holder

A condition of the PL is from the date of grant, 27 October 2021 to 31 December 2026, the authorised activities are limited to exploration activities.

The PL covers an area of 80 sub-blocks in the Cooper-Eromanga Basin, southwest Queensland (Figure 1).

The PL is one of eleven Petroleum Leases in the Cooper-Eromanga Basin held by the Permit Holders (Figure 2). These eleven Petroleum Leases overly the Toolebuc Formation, a prospective, continuous unconventional shale play and the target of the exploration activities.

Figure 1: PL sub-blocks applicable to this Later Development Plan

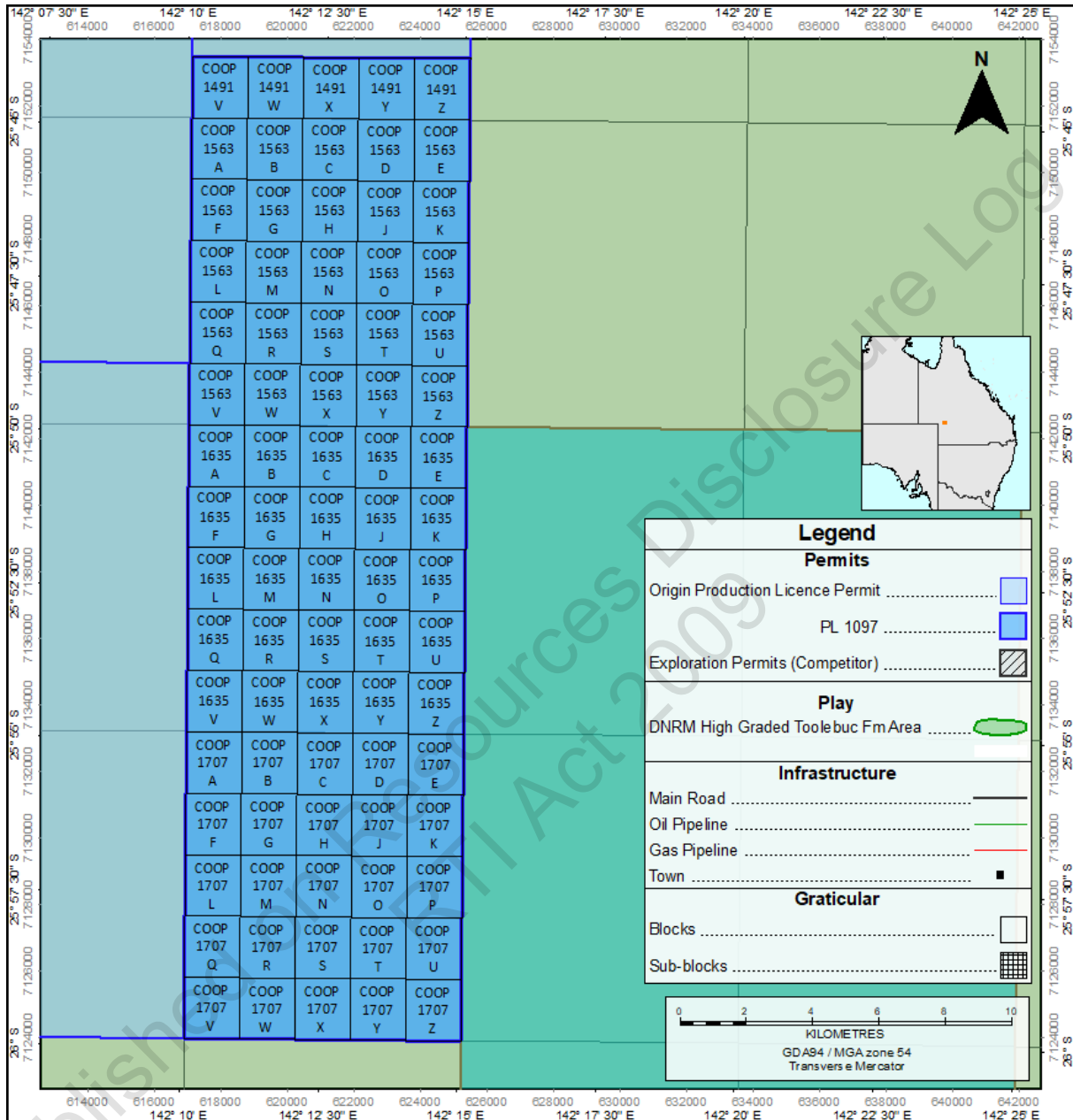
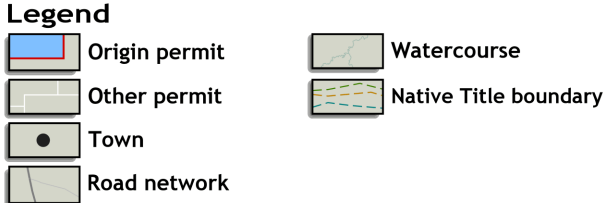
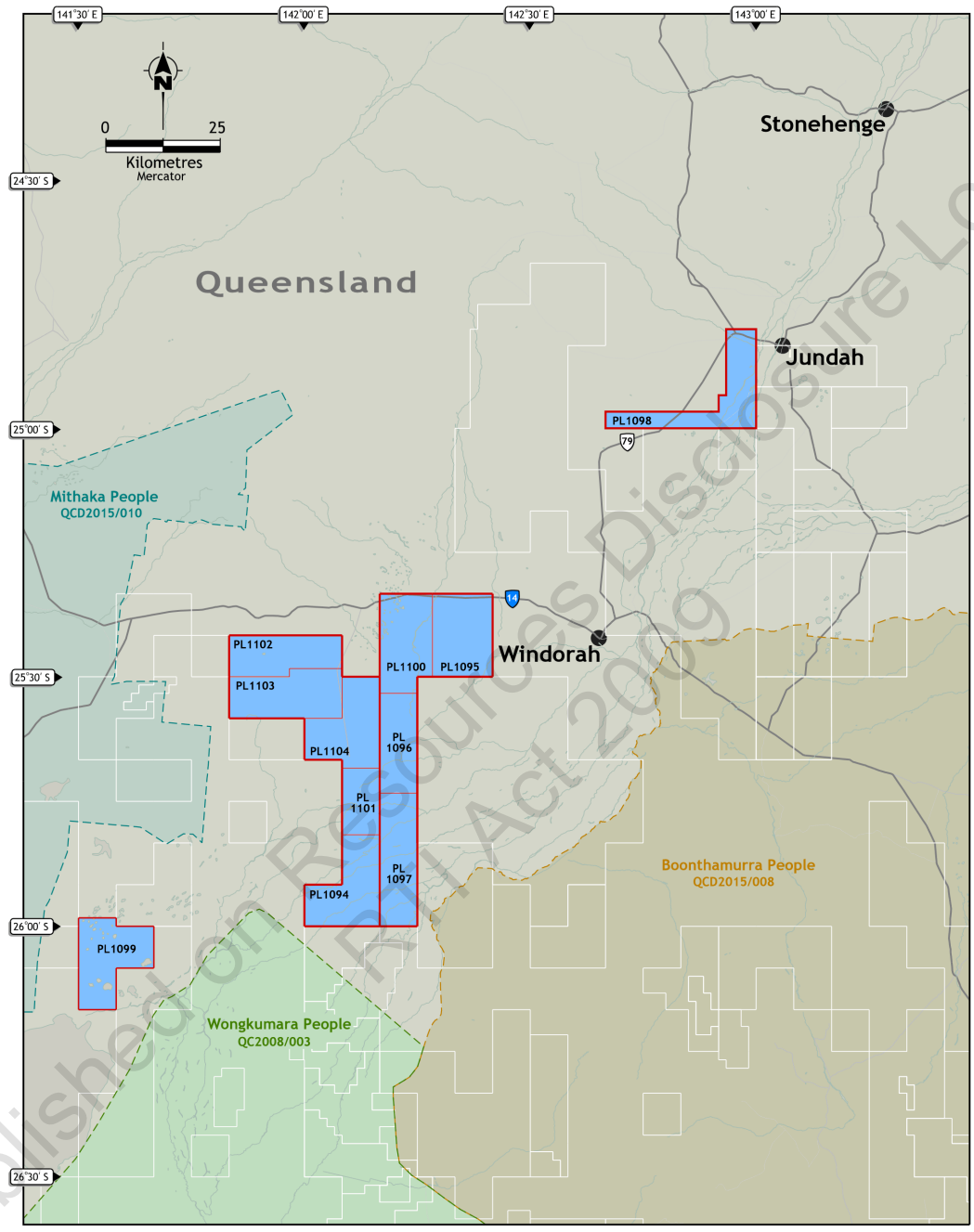


Figure 2: Location of the eleven Cooper-Eromanga Basin Petroleum Leases



Location Map

2. Proposed Later Development Plan

Condition 8 of the PL - authorised activity is limited to exploration only to 31 December 2026. The following proposed Later Development Plan (LDP) is consistent with this condition.

2.1. Overview of activities proposed to be carried out under the lease

(s.53A(1)(a) Petroleum Act 1923)

This PL has a total of 80 sub-blocks, covering an area of approximately 247 km² (Table 2).

Table 2: Sub-blocks that make up the PL area

BIM	Block(s)	Sub-Block(s)	No. of Sub-blocks
COOP	1491	v, w, x, y and z	5
COOP	1563	ALL	25
COOP	1635	ALL	25
COOP	1707	ALL	25
Total			80

During the period of exploration only, activities will be focused on reducing subsurface uncertainty and refining knowledge to help inform on the nature and extent of the proposed development and production of the petroleum reserves from the PL. The exact location of activities may change during the term of the LDP including relocating activities to another of the eleven Petroleum Leases (see Figure 2). Factors that will be considered when determining the final location of activities include, but are not limited to the following:

- GG&E analysis results and interpretations
- Land access approvals
- Environmental approvals
- Outcomes of environmental scouting (i.e., ecology survey)
- Native Title Agreement implementation
- Cultural Heritage
- Traditional Owner engagement
- Surface conditions for construction (i.e., lease, access)

The period of the proposed LDP is for 5 years. During this 5-year plan term only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. As such, the activities in this LDP for the PL comply with this condition.

Table 3 summarises the activities to be undertaken over the 10-year PL term.

Table 3: Key milestones for the PL

Year	Key Milestones
1	<ul style="list-style-type: none"> - Planning, design and approvals - Seismic reprocessing - GG&E desktop studies
2	<ul style="list-style-type: none"> - Planning, design and approvals - GG&E desktop studies
3	<ul style="list-style-type: none"> - Planning, design and approvals - GG&E desktop studies
4	<ul style="list-style-type: none"> - Planning, design and approvals - GG&E desktop studies
5	<ul style="list-style-type: none"> - Planning, design and approvals - Drill vertical well targeting Toolebuc Formation - Core acquisition and commencing core analysis - GG&E desktop studies
6-10	<ul style="list-style-type: none"> - Planning, design and approvals - Core analysis - GG&E desktop studies - Commencement & Continuation of Production Activities

2.1.1. Nature and extent of activities proposed to be carried out

(s.53A(1)(b) Petroleum Act 1923)

Table 4 summarise activities to be undertaken over the 5-year prior of this LDP.

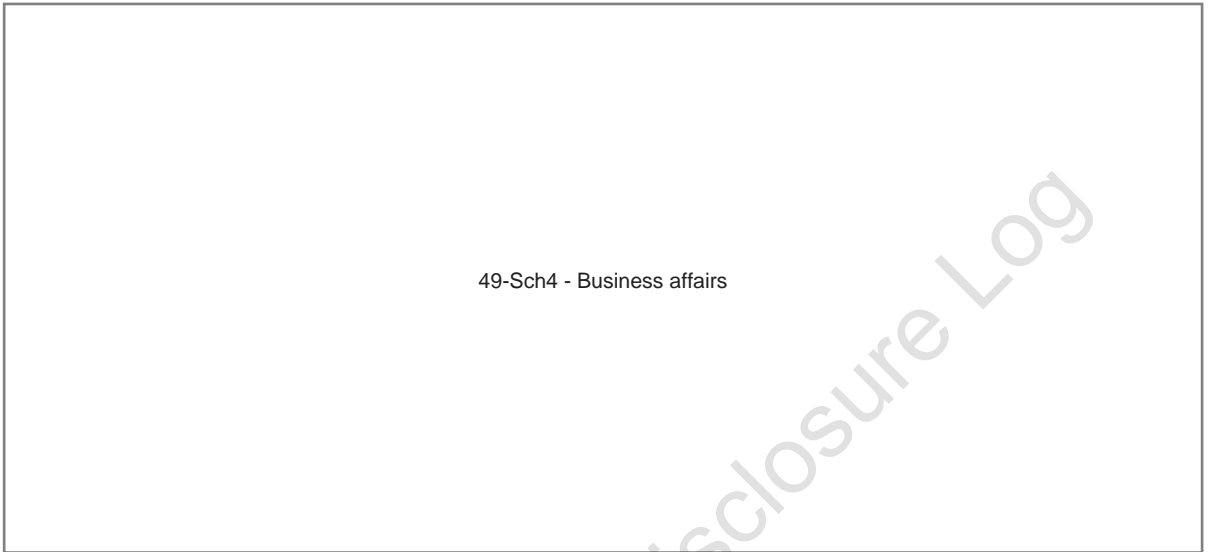
2.1.1.1. Plan details

The exploration activities by year and estimated cost for the PL are shown in Table 4.

Table 4: Activities and estimated costs for each year of the 5-year later development plan

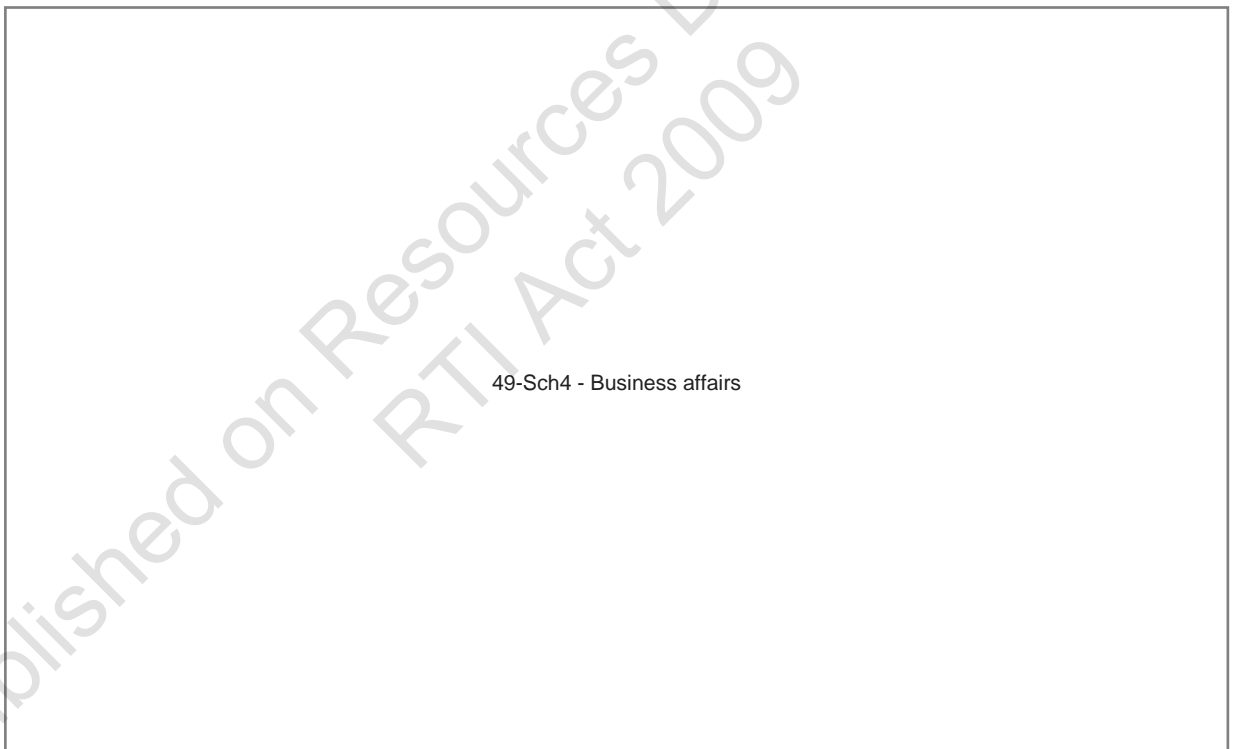
<p>49-Sch4 - Business affairs</p>

2.1.1.2. GG&E



49-Sch4 - Business affairs

2.1.1.3. Seismic



49-Sch4 - Business affairs

2.1.1.4. Wells



49-Sch4 - Business affairs

49-Sch4 - Business affairs

2.1.1.5. Approvals

Completion of the activities in the proposed LDP are subject to the required approvals being obtained. If the necessary external (to Origin) approvals are not received, then the activities in the proposed LDP may need to be amended and/or delayed into future years or future LDPs.

Land Access

Once activity locations have been identified, Origin will consult with all affected landholders. Origin will follow its Gain Access Core Process (GACP) that supports compliance with all local, state and federal legislation and manages access. The GACP allows Origin to identify land access requirements early and engage landholders well ahead of time as to what activities Origin plans to carry out and the potential impacts for each landholder. This enables Origin to begin discussions, early engagement and timely negotiations so that Origin fully understands each Landholders individual requirements for successful coexistence and operations on their land, and for better long-term sustainable relationships.

Origin will maintain ongoing consultation with all affected landholders from inception through to final site rehabilitation. Origin provides adequate prior notice of all activities to be undertaken as part of its operations, including but not limited to, site inspections, seismic acquisition, well locations, drilling activities, civil construction works and the progress of activities.

In strict accordance with legislative requirements, an entry notice is issued and a compensation agreement negotiated and signed prior to entry onto private and public land.

Native Title

An existing Section 31 agreement is in place for the PL.

A Conjunctive Ancillary Agreement is also in place for the PL which includes a Cultural Heritage Management Plan, Origin shall comply with the terms and conditions of the Ancillary Agreement, including the Cultural Heritage Management (CHMP) as required.

None of the PL is subject to a native title claim or determination. Once activity locations have been identified, Origin will determine whether the activity is within the area covered by either Ancillary Agreement with the Mithaka Aboriginal Corporation (Mithaka). If that is the case, the Cultural Heritage Management Plan in the Ancillary Agreement will be applied, as well as the other relevant terms of the Ancillary Agreement to guide Origin's cultural heritage protection and other exploration activity related engagement with the Mithaka.

If the activity location is outside the area covered by either Ancillary Agreement with the Mithaka, Origin will rely on consultation with Mithaka, Boonthamurra (both with nearby determined native title determinations) and searching the Aboriginal and Torres Strait Islander Cultural Heritage Database and Register to determine which Aboriginal groups to consult with regarding cultural heritage protection and exploration activity. This may require the negotiation of a new Cultural Heritage Management Agreement with the relevant group.

Origin will apply the applicable Cultural Heritage Management Agreement to inform the relevant Aboriginal party about proposed exploration activity and work with them to ensure the area is subject to a cultural heritage survey by Traditional Owners prior to undertaking any ground disturbing work.

Environmental

Origin seeks to operate responsibly and minimise impacts to the environment in which it operates.

Origin has a Health, Safety and Environmental Management System which describes how HSE aspects must be managed. This framework will be implemented during planning and operational periods.

An application for an Environmental Authority (EA) will be made to the Department of Environment and Science (DES). No works can occur on site until the Environmental Authority is granted.

Once the activity locations have been identified, Origin's internal processes will be applied to ensure compliance with Environmental Authority and legislative requirements. This includes conducting an Environmental Constraints Assessment/s and ecology scouting (if required) on the proposed locations to ensure harm to environmental values is minimised, EA compliance is maintained and any additional approvals (e.g., Regional Interests Development Approval) are identified.

2.1.2. Where the activities are proposed to be carried out

The Proposed Work Area of the PL is shown in Figure 3. Location of the Proposed Work Areas during the 5-year development plan term across the eleven Petroleum Leases is shown in Figure 4.

As noted in section 2.1, there are several factors and constraints that need to be considered when determining final locations; therefore, the exact location of the proposed activities may change during the 5-year development plan term, including relocation to another of the eleven Petroleum Leases.

Assessments and approvals to determine the final locations will take place across several years. Assessments will also take place to determine the location of activities and infrastructure in the second 5-year development plan term (year 6-10).

Figure 3: Nature and extent of activities proposed to be carried out in the PL



Figure 4: Nature, location and extent of the proposed 5-year plan

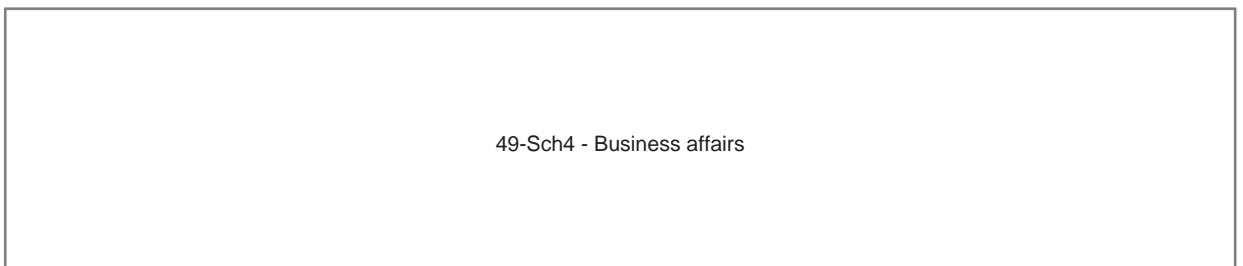


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2.2. Underground reservoir in the area of the lease

(s.53A(1)(c) Petroleum Act)

2.2.1. The location and a verifiable estimate of the amount of petroleum in the reservoir



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49-Sch4 - Business affairs

2.2.3. The rate and amount of production proposed from the reservoir

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL.

The Production Commencement Date for the PL is 31 December 2027.

2.2.4. Approximately when the proposed production is to start

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL.

The Production Commencement Date for the PL is 31 December 2027.

2.2.5. A schedule for the proposed production during the plan period

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL.

The Production Commencement Date for the PL is 31 December 2027.

2.3. Reasons that the plan is considered appropriate

(s.53A(1)(f) Petroleum Act 1923)

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. As such this proposed development plan is considered appropriate for the carry out of Exploration Activities only.

3. Overlapping Tenures

For the area of the PL, there are no coal or oil shale mining tenements, Greenhouse Gas authorities or geothermal tenures.

4. Petroleum production will be optimised in the best interests of the State having regard to the public interest

(s.53A(1)(e) Petroleum Act 1923)

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. During the term of this Development Plan for the PL petroleum production activities cannot occur.

The Holders believe that the proposed activities under the Later Development Plan have been designed using all available data and expert knowledge to optimise the proposed activities in a safe and efficient way.

The Holders are committed to respecting the rights and interests of stakeholders and communities in the area in which they operate. The final locations of the activities will be chosen primarily to optimise knowledge and limit landholder and environmental disturbance.

5. Endorsement

Endorsement of the following for PL 1097:

1. Later Development Plan for the period 27 October 2021 to 26 October 2026

<p>SIGNED for and on behalf of Origin Energy C6 Pty Ltd ABN 68 136 602 947 by its duly authorised representative:</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">49-Sch4 - Personal Information</div>	<p>SIGNED for and on behalf of Blue Energy (QLD) Pty Ltd ABN 90 111 757 905 by its duly authorised representative:</p>
<p>Signature of authorised representative</p> <p>Full Name: 73(2)Irrelevant</p>	<p>Signature of authorised representative</p> <p>Full Name 73(2)Irrelevant</p>
<p>Title: General Manager, Upstream Growth</p>	<p>Title: Managing Director/Chief Executive Officer</p>
<p>Date: 22 April 2022</p>	<p>Date: 22 April 2022</p>

4. Petroleum production will be optimised in the best interests of the State having regard to the public interest

(s.53A(1)(e) Petroleum Act 1923)

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. During the term of this Development Plan for the PL petroleum production activities cannot occur.

The Holders believe that the proposed activities under the Later Development Plan have been designed using all available data and expert knowledge to optimise the proposed activities in a safe and efficient way.

The Holders are committed to respecting the rights and interests of stakeholders and communities in the area in which they operate. The final locations of the activities will be chosen primarily to optimise knowledge and limit landholder and environmental disturbance.

5. Endorsement

Endorsement of the following for PL 1097:

1. Later Development Plan for the period 27 October 2021 to 26 October 2026

SIGNED for and on behalf of Origin Energy C6 Pty Ltd ABN 68 136 602 947 by its duly authorised representative:	SIGNED for and on behalf of Blue Energy (QLD) Pty Ltd ABN 90 111 757 905 by its duly authorised representative:
49-Sch4 - Personal Information	49-Sch4 - Personal Information
Signature of authorised representative	Signature of authorised representative
Full Name: 73(2)Irrelevant	Full Name: 73(2)Irrelevant
Title: General Manager, Upstream Growth	Title: Managing Director/Chief Executive Officer
Date: 22 April 2022	Date: 22 April 2022



Petroleum Lease 1098 Jundah A

Later Development Plan

Plan Period: 27 October 2021 – 26 October 2026
Holders: Origin Energy C6 Pty Limited 99% (Principal Holder & Operator)
Blue Energy (QLD) Pty Limited 1%
Legislation: *Petroleum Act 1923* (Qld)

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Section 53A(1)(b)	Section 53A(1)(b)(i) - the nature and extent of activities proposed to be carried out under the PL during the year;	2
	Section 53A(1)(b)(ii) - where the activities are proposed to be carried out;	2.1.2
	Section 53A(1)(b)(iii) - the estimated cost of the activities.	2
Section 53A(1)(c)	Section 53A(1)(c)(i) - the location and a verifiable estimate of the amount of petroleum remaining in the reservoir;	2.2.1
	Section 53A(1)(c)(ii) - the standards and procedures used to make the estimate;	2.2.2
	Section 53A(1)(c)(iii) - the rate and amount of production proposed from the reservoir; and Section 53A(1)(c)(v) – a schedule for the proposed production during the plan period;	2.2.3
	Section 53A(1)(c)(iv) - approximately when the proposed production is to start, [if it has not already started];	2.2.4
Section 53A(1)(e)	any other information relevant to the 'development plan criteria' mentioned in section 141 of the Petroleum and Gas (Production and Safety Act 2004 (and section 78 of the 1923 Act, if part 6F (overlapping provisions) of the 1923 Act applies to the PL). This includes whether petroleum production under the PL will be optimised in the best interests of the State, having regard to the public interest.	4
Section 53A(1)(f)	reasons why the plan is considered appropriate.	2.3

Pursuant to the Petroleum Act 1923, Origin Energy C6 Pty Limited (Origin) as Operator of Petroleum Lease 1098 (PL), hereby lodges this Proposed Later Development Plan (LDP) for the period 27 October 2021 to 26 October 2026.

1. Tenure background

The PL was granted to Origin (99%) and Blue Energy (QLD) Pty Ltd (1%) (Blue), the Permit Holders, on 27 October 2021 for a term of ten years (refer to Table 1).

Table 1: Permit Holders and interests relevant to the PL

Permit Holders	Interest
Blue Energy (Qld) Pty Ltd	1%
Origin Energy C6 Pty Limited (Operator)	99%*
Total	100%

* Authorised holder

A condition of the PL is from the date of grant, 27 October 2021 to 31 December 2026, the authorised activities are limited to exploration activities.

The PL covers an area of 80 sub-blocks in the Cooper-Eromanga Basin, southwest Queensland (Figure 1).

The PL is one of eleven Petroleum Leases in the Cooper-Eromanga Basin held by the Permit Holders (Figure 2). These eleven Petroleum Leases overly the Toolebuc Formation, a prospective, continuous unconventional shale play and the target of the exploration activities.

Figure 1: PL sub-blocks applicable to this Later Development Plan.

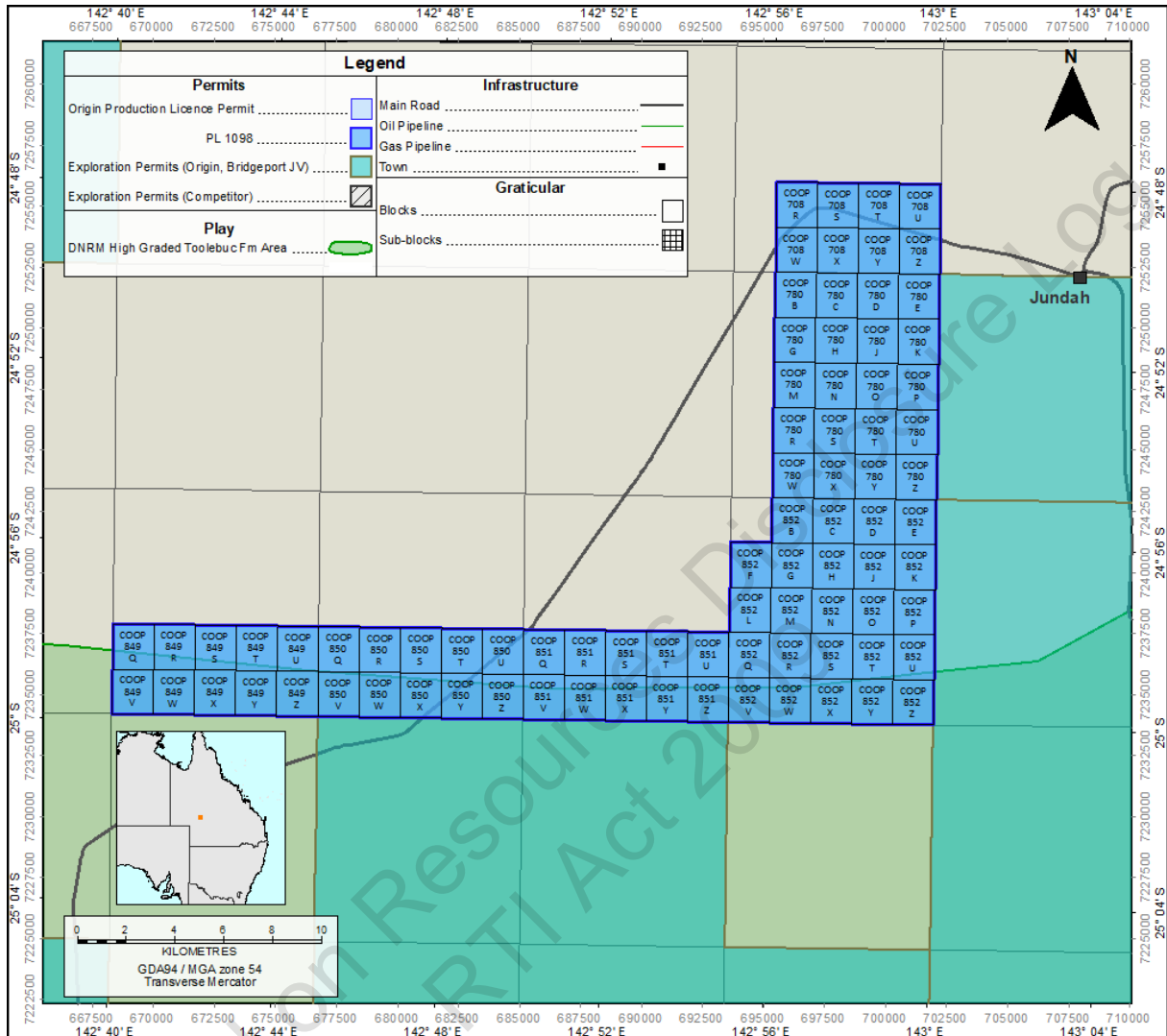
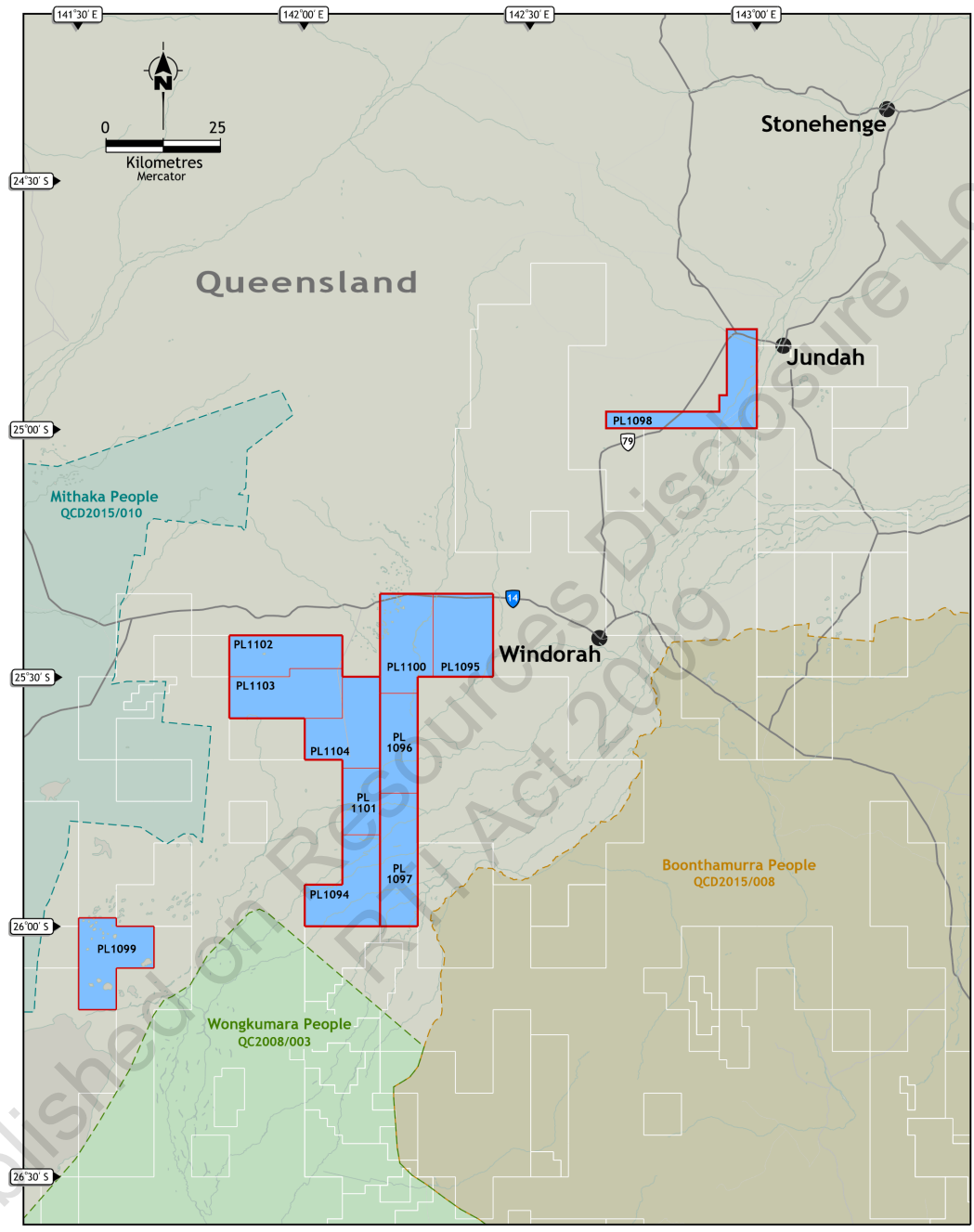


Figure 2: Location of the eleven Cooper-Eromanga Basin Petroleum Leases



Legend

Origin permit	Watercourse
Other permit	Native Title boundary
Town	
Road network	

Eromanga Basin
 Western Queensland

Location Map

2. Proposed Later Development Plan

Condition 8 of the PL - authorised activity is limited to exploration only to 31 December 2026. The following proposed Later Development Plan (LDP) is consistent with this condition.

2.1. Overview of activities proposed to be carried out under the lease

(s.53A(1)(a) Petroleum Act 1923)

This PL has a total of 82 sub-blocks, covering an area of approximately 255 km² (Table 2).

Table 2: Sub-blocks that make up the PL area

BIM	Block(s)	Sub-Block(s)	No. of Sub-blocks
COOP	708	r, s, t, u, w, x, y and z	8
COOP	780	b, c, d, e, g, h, j, k, m, n, o, p, r, s, t, u, w, x, y and z	20
COOP	849	q, r, s, t, u, v, w, x, y and z	10
COOP	850	q, r, s, t, u, v, w, x, y and z	10
COOP	851	q, r, s, t, u, v, w, x, y and z	10
COOP	852	b, c, d, e, f, g, h, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y and z	24
Total			82

During the period of exploration only, activities will be focused on reducing subsurface uncertainty and refining knowledge to help inform on the nature and extent of the proposed development and production of the petroleum reserves from the PL. The exact location of activities may change during the term of the LDP including relocating activities to another of the eleven Petroleum Leases (see Figure 2). Factors that will be considered when determining the final location of activities include, but are not limited to the following:

- GG&E analysis results and interpretations
- Land access approvals
- Environmental approvals
- Outcomes of environmental scouting (i.e., ecology survey)
- Native Title Agreement implementation
- Cultural Heritage
- Traditional Owner engagement
- Surface conditions for construction (i.e., lease, access)

The period of the proposed LDP is for 5 years. During this 5-year plan term only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. As such, the activities in this LDP for the PL comply with this condition.

Table 3 summarises the activities to be undertaken over the 10-year PL term.

Table 3: Key milestones for the PL

Year	Key Milestones
1	- Planning, design and approvals - Seismic Reprocessing - GG&E
2	- Planning, design and approvals - GG&E
3	- Planning, design and approvals - GG&E
4	- Planning, design and approvals - GG&E
5	- Planning, design and approvals - GG&E
6-10	- Planning, design and approvals - GG&E - Commencement & Continuation of Production Activities

2.1.1. Nature and extent of activities proposed to be carried out

(s.53A(1)(b) Petroleum Act 1923)

Table 4 summarise activities to be undertaken over the 5-year prior of this LDP.

2.1.1.1. Plan details

The exploration activities by year and estimated cost for the PL are shown in Table 4.

Table 4: Activities and estimated costs for each year of the 5-year development plan

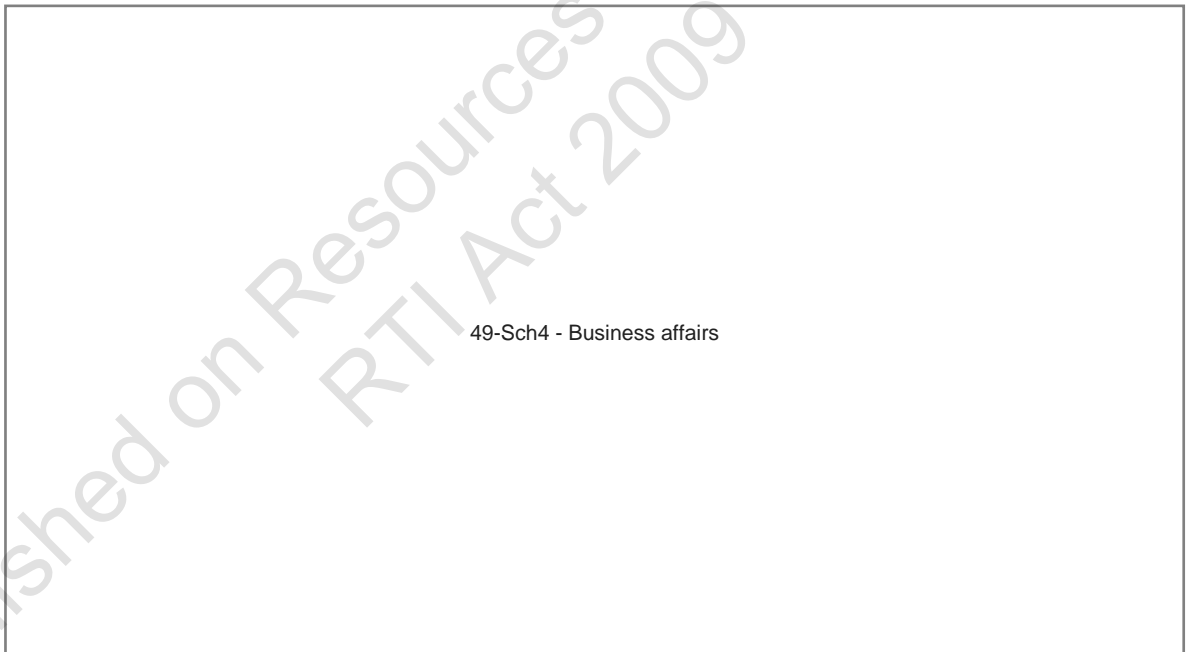
49-Sch4 - Business affairs

2.1.1.2. GG&E



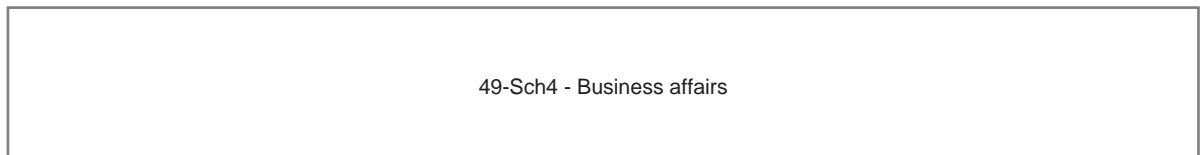
49-Sch4 - Business affairs

2.1.1.3. Seismic



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2.1.1.4. Wells



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2.1.1.5. Approvals

Completion of the activities in the proposed LDP are subject to the required approvals being obtained. If the necessary external (to Origin) approvals are not received, then the activities in the proposed LDP may need to be amended and/or delayed into future years or future LDPs.

Land Access

Once activity locations have been identified, Origin will consult with all affected landholders. Origin will follow its Gain Access Core Process (GACP) that supports compliance with all local, state and federal legislation and manages access. The GACP allows Origin to identify land access requirements early and engage landholders well ahead of time as to what activities Origin plans to carry out and the potential impacts for each landholder. This enables Origin to begin discussions, early engagement and timely negotiations so that Origin fully understands each Landholders individual requirements for successful coexistence and operations on their land, and for better long-term sustainable relationships.

Origin will maintain ongoing consultation with all affected landholders from inception through to final site rehabilitation. Origin provides adequate prior notice of all activities to be undertaken as part of its operations, including but not limited to, site inspections, seismic acquisition, well locations, drilling activities, civil construction works and the progress of activities.

In strict accordance with legislative requirements, an entry notice is issued and a compensation agreement negotiated and signed prior to entry onto private and public land.

Native Title

An existing Section 31 agreement is in place for the PL.

A Conjunctive Ancillary Agreement is also in place for the PL which includes a Cultural Heritage Management Plan, Origin shall comply with the terms and conditions of the Ancillary Agreement, including the Cultural Heritage Management (CHMP) as required.

None of the PL is subject to a native title claim or determination. Once activity locations have been identified, Origin will determine whether the activity is within the area covered by either Ancillary Agreement with the Mithaka Aboriginal Corporation (Mithaka). If that is the case, the Cultural Heritage Management Plan in the Ancillary Agreement will be applied, as well as the other relevant terms of the Ancillary Agreement to guide Origin's cultural heritage protection and other exploration activity related engagement with the Mithaka.

If the activity location is outside the area covered by either Ancillary Agreement with the Mithaka, Origin will rely on consultation with Mithaka, Boonthamurra (both with nearby determined native title determinations) and searching the Aboriginal and Torres Strait Islander Cultural Heritage Database and Register to determine which Aboriginal groups to consult with regarding cultural heritage protection and exploration activity. This may require the negotiation of a new Cultural Heritage Management Agreement with the relevant group.

Origin will apply the applicable Cultural Heritage Management Agreement to inform the relevant Aboriginal party about proposed exploration activity and work with them to ensure the area is subject to a cultural heritage survey by Traditional Owners prior to undertaking any ground disturbing work.

Environmental

Origin seeks to operate responsibly and minimise impacts to the environment in which it operates.

Origin has a Health, Safety and Environmental Management System which describes how HSE aspects must be managed. This framework will be implemented during planning and operational periods.

An application for an Environmental Authority (EA) will be made to the Department of Environment and Science (DES). No works can occur on site until the Environmental Authority is granted.

Once the activity locations have been identified, Origin's internal processes will be applied to ensure compliance with Environmental Authority and legislative requirements. This includes conducting an Environmental Constraints Assessment/s and ecology scouting (if required) on the proposed locations to ensure harm to environmental values is minimised, EA compliance is maintained and any additional approvals (e.g., Regional Interests Development Approval) are identified.

2.1.2. Where the activities are proposed to be carried out

The Proposed Work Area of the PL is shown in Figure 3. Location of the Proposed Work Areas during the 5-year development plan term across the eleven Petroleum Leases is shown in Figure 4.

As noted in section 2.1, there are several factors and constraints that need to be considered when determining final locations; therefore, the exact location of the proposed activities may change during the 5-year development plan term, including relocation to another of the eleven Petroleum Leases.

Assessments and approvals to determine the final locations will take place across several years. Assessments will also take place to determine the location of activities and infrastructure in the second 5-year development plan term (year 6-10).

There are no planned activities to be undertaken on the PL during this 5-year development. Activities are expected to be limited to planning, design & approvals, GG&E and seismic reprocessing, refer to Figure 3.

Figure 3: Nature and extent of activities proposed to be carried out in the PL



Figure 4: Nature, location and extent of the proposed 5-year plan



2.2. Underground reservoir in the area of the lease

(s.53A(1)(c) Petroleum Act 1923)

2.2.1. The location and a verifiable estimate of the amount of petroleum in the reservoir



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2.2.3. The rate and amount of production proposed from the reservoir

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL.

The Production Commencement Date for the PL is 31 December 2027.

2.2.4. Approximately when the proposed production is to start

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL.

The Production Commencement Date for the PL is 31 December 2027.

2.2.5. A schedule for the proposed production during the plan period

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL.

The Production Commencement Date for the PL is 31 December 2027.

2.3. Reasons that the plan is considered appropriate

(s. 53A(1)(f) Petroleum Act 1923)

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. As such this proposed development plan is considered appropriate for the carry out of Exploration Activities only.

3. Overlapping Tenures

For the area of the PL, there are no coal or oil shale mining tenements, Greenhouse Gas authorities or geothermal tenures.

4. Petroleum production will be optimised in the best interests of the State having regard to the public interest

(s. 53A(1)(e) Petroleum Act 1923)

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. During the term of this Development Plan for the PL petroleum production activities cannot occur.

The Holders believe that the proposed activities under the Later Development Plan have been designed using all available data and expert knowledge to optimise the proposed activities in a safe and efficient way.

The Holders are committed to respecting the rights and interests of stakeholders and communities in the area in which they operate. The final locations of the activities will be chosen primarily to optimise knowledge and limit landholder and environmental disturbance.

5. Endorsement

Endorsement of the following for PL 1098:

1. Later Development Plan for the period 27 October 2021 to 26 October 2026

<p>SIGNED for and on behalf of Origin Energy C6 Pty Ltd ABN 68 136 602 947 by its duly authorised representative:</p>	<p>SIGNED for and on behalf of Blue Energy (QLD) Pty Ltd ABN 90 111 757 905 by its duly authorised representative:</p>
<p>49-Sch4 - Personal Information</p>	
<p>Signature of authorised representative</p>	<p>Signature of authorised representative</p>
<p>Full Name: 73(2)Irrelevant</p>	<p>Full Name: 73(2)Irrelevant</p>
<p>Title: General Manager, Upstream Growth</p>	<p>Title: Managing Director/Chief Executive Officer</p>
<p>Date: 22 April 2022</p>	<p>Date: 22 April 2022</p>

4. Petroleum production will be optimised in the best interests of the State having regard to the public interest

(s. 53A(1)(e) Petroleum Act 1923)

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. During the term of this Development Plan for the PL petroleum production activities cannot occur.

The Holders believe that the proposed activities under the Later Development Plan have been designed using all available data and expert knowledge to optimise the proposed activities in a safe and efficient way.

The Holders are committed to respecting the rights and interests of stakeholders and communities in the area in which they operate. The final locations of the activities will be chosen primarily to optimise knowledge and limit landholder and environmental disturbance.

5. Endorsement

Endorsement of the following for PL 1098:

1. Later Development Plan for the period 27 October 2021 to 26 October 2026

SIGNED for and on behalf of Origin Energy C6 Pty Ltd ABN 68 136 602 947 by its duly authorised representative:	SIGNED for and on behalf of Blue Energy (QLD) Pty Ltd ABN 90 111 757 905 by its duly authorised representative:
49-Sch4 - Personal Information	49-Sch4 - Personal Information
Signature of authorised representative	Signature of authorised representative
Full Name: 73(2)Irrelevant	Full Name: 73(2)Irrelevant
Title: General Manager, Upstream Growth	Title: Managing Director/Chief Executive Officer
Date: 22 April 2022	Date: 22 April 2022



Petroleum Lease 1099 Tanbar South A Later Development Plan

Plan Period: 27 October 2021 – 26 October 2026
Holders: Origin Energy C6 Pty Limited 99% (Principal Holder & Operator)
Blue Energy (QLD) Pty Limited 1%
Legislation: *Petroleum Act 1923 (Qld)*

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2.2. Underground reservoir in the area of the lease	13
2.2.1. The location and a verifiable estimate of the amount of petroleum in the reservoir	13
2.2.2. The standards and procedures used to make the estimate	16
2.2.3. The rate and amount of production proposed from the reservoir	16
2.2.4. Approximately when the proposed production is to start	16
2.2.5. A schedule for the proposed production during the plan period	16
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3. Overlapping Tenures	16
4. Petroleum production will be optimised in the best interests of the State having regard to the public interest	17
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Legislative Requirement		Section
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Section 53A(1)(b)	Section 53A(1)(b)(i) - the nature and extent of activities proposed to be carried out under the PL during the year;	2
	Section 53A(1)(b)(ii) - where the activities are proposed to be carried out;	2.1.2
	Section 53A(1)(b)(iii) - the estimated cost of the activities.	2
Section 53A(1)(c)	Section 53A(1)(c)(i) - the location and a verifiable estimate of the amount of petroleum remaining in the reservoir;	2.2.1
	Section 53A(1)(c)(ii) - the standards and procedures used to make the estimate;	2.2.2
	Section 53A(1)(c)(iii) - the rate and amount of production proposed from the reservoir; and Section 53A(1)(c)(v) – a schedule for the proposed production during the plan period;	2.2.3
	Section 53A(1)(c)(iv) - approximately when the proposed production is to start, [if it has not already started];	2.2.4
Section 53A(1)(e)	any other information relevant to the 'development plan criteria' mentioned in section 141 of the Petroleum and Gas (Production and Safety Act 2004 (and section 78 of the 1923 Act, if part 6F (overlapping provisions) of the 1923 Act applies to the PL). This includes whether petroleum production under the PL will be optimised in the best interests of the State, having regard to the public interest.	4
Section 53A(1)(f)	reasons why the plan is considered appropriate.	2.3

Pursuant to the Petroleum Act 1923, Origin Energy C6 Pty Limited (Origin) as Operator of Petroleum Lease 1099 (PL), hereby lodges this Proposed Later Development Plan (LDP) for the period 27 October 2021 to 26 October 2026.

1. Tenure background

The PL was granted to Origin (99%) and Blue Energy (QLD) Pty Ltd (1%) (Blue), the Permit Holders, on 27 October 2021 for a term of ten years (refer to Table 1).

Table 1: Permit Holders and interests relevant to the PL

Permit Holders	Interest
Blue Energy (Qld) Pty Ltd	1%
Origin Energy C6 Pty Limited (Operator)	99%*
Total	100%

* Authorised holder

A condition of the PL is from the date of grant, 27 October 2021 to 31 December 2026, the authorised activities are limited to exploration activities.

The PL covers an area of 80 sub-blocks in the Cooper-Eromanga Basin, southwest Queensland (Figure 1).

The PL is one of eleven Petroleum Leases in the Cooper-Eromanga Basin held by the Permit Holders (Figure 2). These eleven Petroleum Leases overly the Toolebuc Formation, a prospective, continuous unconventional shale play and the target of the exploration activities.

Figure 1: PL sub-blocks applicable to this Later Development Plan

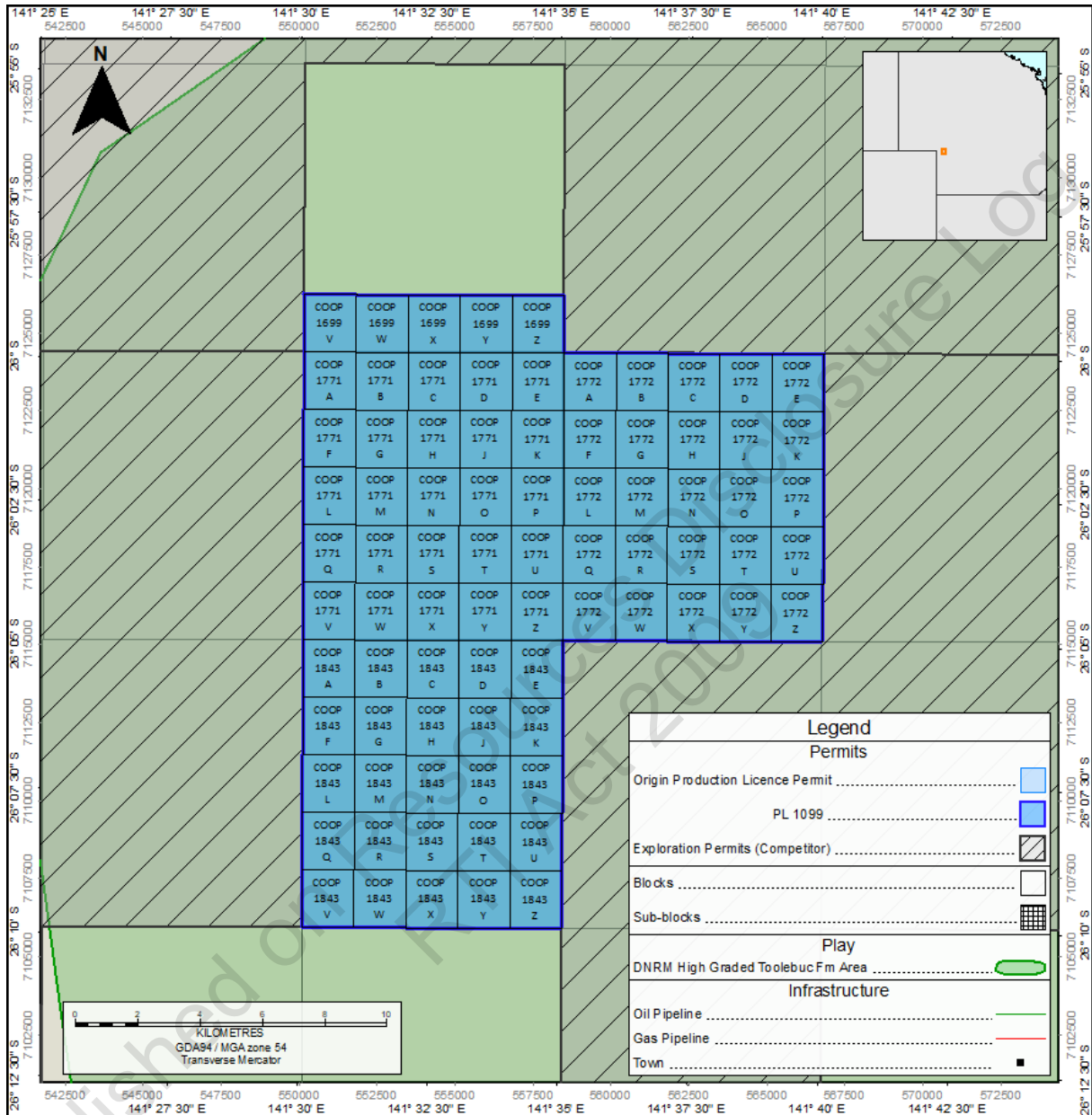
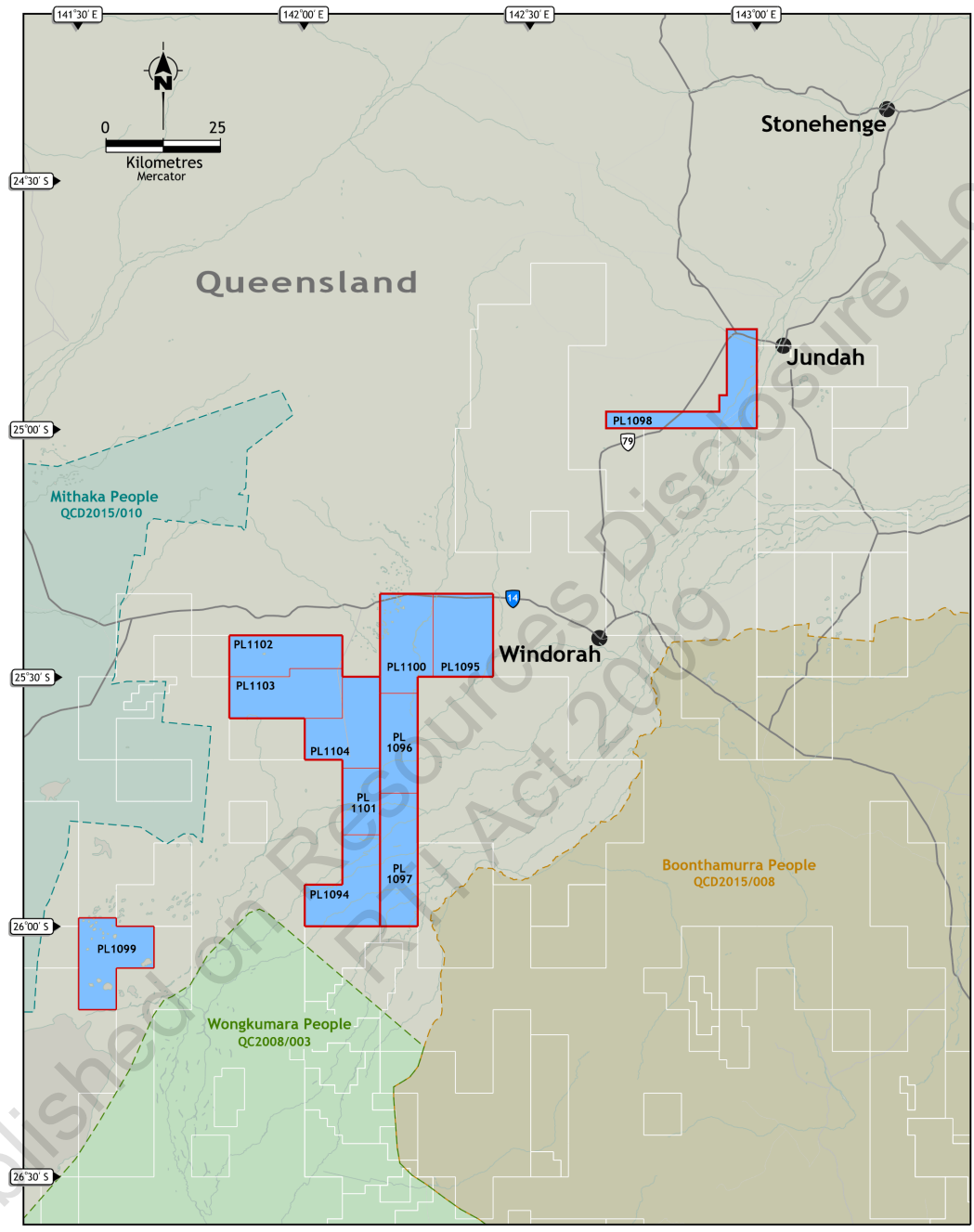


Figure 2: Location of the eleven Cooper-Eromanga Basin Petroleum Leases



- Legend**
- Origin permit
 - Other permit
 - Town
 - Road network
 - Watercourse
 - Native Title boundary



Location Map

2. Proposed Later Development Plan

Condition 8 of the PL - authorised activity is limited to exploration only to 31 December 2026. The following proposed Later Development Plan (LDP) is consistent with this condition.

2.1. Overview of activities proposed to be carried out under the lease

(s.53A(1)(a) Petroleum Act 1923)

This PL has a total of 80 sub-blocks, covering an area of approximately 247 km² (Table 2).

Table 2: Sub-blocks that make up the PL area

BIM	Block(s)	Sub-Block(s)	No. of Sub-blocks
COOP	1699	v, w, x, y and z	5
COOP	1771	ALL	25
COOP	1772	ALL	25
COOP	1843	ALL	25
Total			80

During the period of exploration only, activities will be focused on reducing subsurface uncertainty and refining knowledge to help inform on the nature and extent of the proposed development and production of the petroleum reserves from the PL. The exact location of activities may change during the term of the LDP including relocating activities to another of the eleven Petroleum Leases (see Figure 2). Factors that will be considered when determining the final location of activities include, but are not limited to the following:

- GG&E analysis results and interpretations
- Land access approvals
- Environmental approvals
- Outcomes of environmental scouting (i.e., ecology survey)
- Native Title Agreement implementation
- Cultural Heritage
- Traditional Owner engagement
- Surface conditions for construction (i.e., lease, access)

The period of the proposed LDP is for 5 years. During this 5-year plan term only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. As such, the activities in this LDP for the PL comply with this condition.

Table 3 summarises the activities to be undertaken over the 10-year PL term.

Table 3: Key milestones for the PL

Year	Key Milestones
1	- Planning, design and approvals - Seismic Reprocessing - GG&E
2	- Planning, design and approvals - GG&E
3	- Planning, design and approvals - GG&E
4	- Planning, design and approvals - GG&E
5	- Planning, design and approvals - GG&E
6-10	- Planning, design and approvals - GG&E - Commencement & Continuation of Production Activities

2.1.1. Nature and extent of activities proposed to be carried out during the year

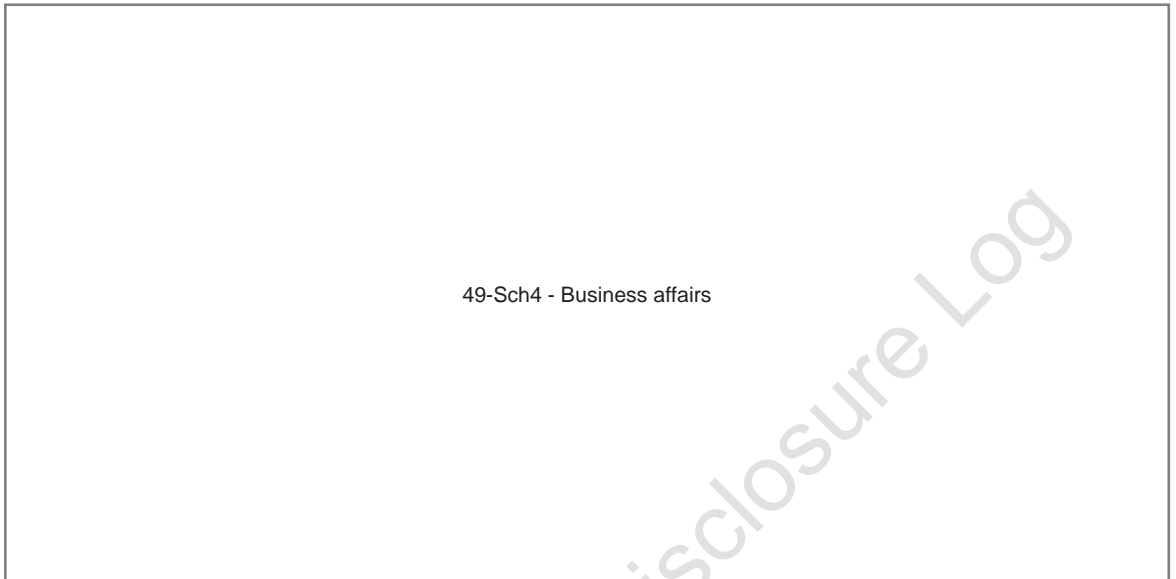
(s.53A(1)(b) Petroleum Act 1923)

Table 4 summarise activities to be undertaken over the 5-year prior of this LDP.

2.1.1.1. Plan Details

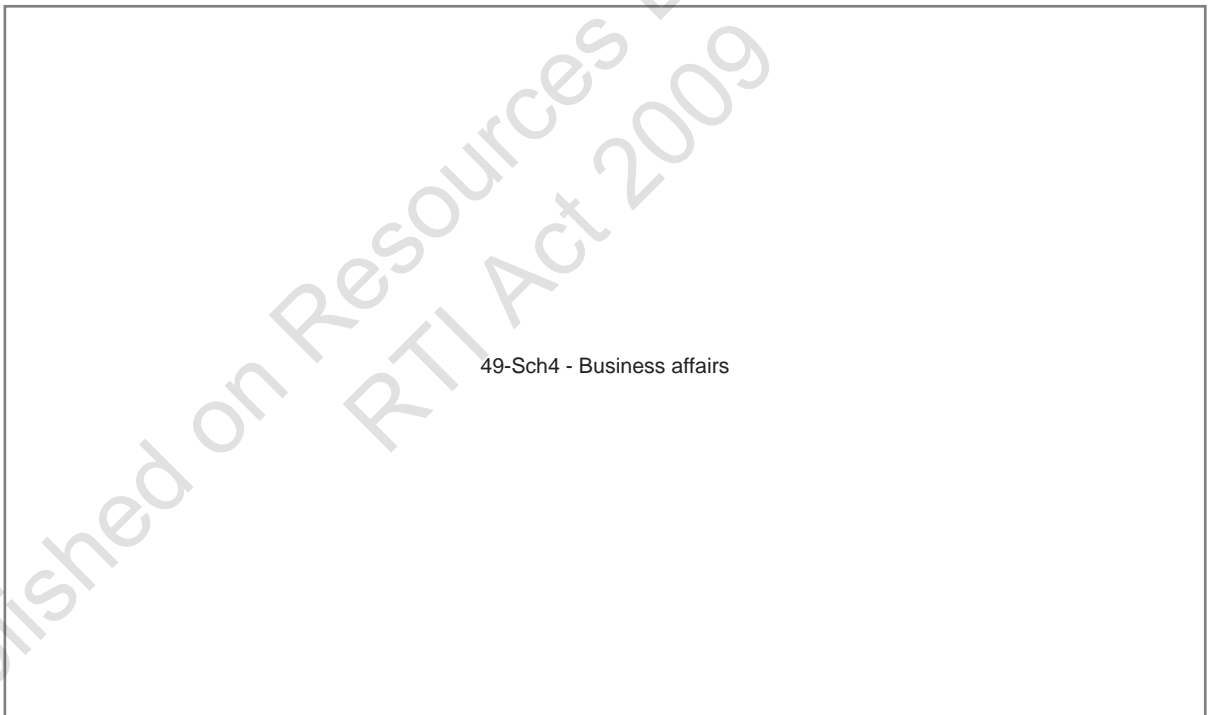
49-Sch4 - Business affairs

2.1.1.2. GG&E



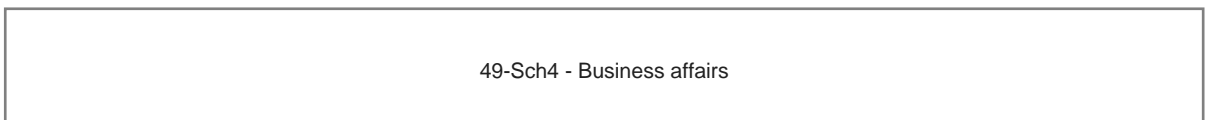
49-Sch4 - Business affairs

2.1.1.3. Seismic



49-Sch4 - Business affairs

2.1.1.4. Wells



49-Sch4 - Business affairs

2.1.1.5. Approvals

Completion of the activities in the proposed LDP are subject to the required approvals being obtained. If the necessary external (to Origin) approvals are not received, then the activities

in the proposed LDP may need to be amended and/or delayed into future years or future LDPs.

Land Access

Once activity locations have been identified, Origin will consult with all affected landholders. Origin will follow its Gain Access Core Process (GACP) that supports compliance with all local, state and federal legislation and manages access. The GACP allows Origin to identify land access requirements early and engage landholders well ahead of time as to what activities Origin plans to carry out and the potential impacts for each landholder. This enables Origin to begin discussions, early engagement and timely negotiations so that Origin fully understands each Landholders individual requirements for successful coexistence and operations on their land, and for better long-term sustainable relationships.

Origin will maintain ongoing consultation with all affected landholders from inception through to final site rehabilitation. Origin provides adequate prior notice of all activities to be undertaken as part of its operations, including but not limited to, site inspections, seismic acquisition, well locations, drilling activities, civil construction works and the progress of activities.

In strict accordance with legislative requirements, an entry notice is issue and a compensation agreement negotiated and signed prior to entry onto private and public land.

Native Title

An existing Section 31 agreement is in place for the PL.

A Conjunctive Ancillary Agreement is also in place for the PL which includes a Cultural Heritage Management Plan, Origin shall comply with the terms and conditions of the Ancillary Agreement, including the Cultural Heritage Management (CHMP) as required.

None of the PL is subject to a native title claim or determination. Once activity locations have been identified, Origin will determine whether the activity is within the area covered by either Ancillary Agreement with the Mithaka Aboriginal Corporation (Mithaka). If that is the case, the Cultural Heritage Management Plan in the Ancillary Agreement will be applied, as well as the other relevant terms of the Ancillary Agreement to guide Origin's cultural heritage protection and other exploration activity related engagement with the Mithaka.

If the activity location is outside the area covered by either Ancillary Agreement with the Mithaka, Origin will rely on consultation with Mithaka, Boonthamurra (both with nearby determined native title determinations) and searching the Aboriginal and Torres Strait Islander Cultural Heritage Database and Register to determine which Aboriginal groups to consult with regarding cultural heritage protection and exploration activity. This may require the negotiation of a new Cultural Heritage Management Agreement with the relevant group.

Origin will apply the applicable Cultural Heritage Management Agreement to inform the relevant Aboriginal party about proposed exploration activity and work with them to ensure the area is subject to a cultural heritage survey by Traditional Owners prior to undertaking any ground disturbing work.

Environmental

Origin seeks to operate responsibly and minimise impacts to the environment in which it operates.

Origin has a Health, Safety and Environmental Management System which describes how HSE aspects must be managed. This framework will be implemented during planning and operational periods.

An application for an Environmental Authority (EA) will be made to the Department of Environment and Science (DES). No works can occur on site until the Environmental Authority is granted.

Once the activity locations have been identified, Origin's internal processes will be applied to ensure compliance with Environmental Authority and legislative requirements. This includes conducting an Environmental Constraints Assessment/s and ecology scouting (if required) on the proposed locations to ensure harm to environmental values is minimised, EA compliance is maintained and any additional approvals (e.g. Regional Interests Development Approval) are identified.

2.1.2. Where the activities are proposed to be carried out

The Proposed Work Area of the PL is shown in Figure 3. Location of the Proposed Work Areas during the 5-year development plan term across the eleven Petroleum Leases is shown in Figure 4.

As noted in section 2.1, there are several factors and constraints that need to be considered when determining final locations; therefore, the exact location of the proposed activities may change during the 5-year development plan term, including relocation to another of the eleven Petroleum Leases.

Assessments and approvals to determine the final locations will take place across several years. Assessments will also take place to determine the location of activities and infrastructure in the second 5-year development plan term (year 6-10).

There are no planned activities to be undertaken on the PL during this 5-year development. Activities are expected to be limited to planning, design & approvals, GG&E and seismic reprocessing, refer to Figure 3.

Figure 3: Nature and extent of activities proposed to be carried out in the PL



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Figure 4: Nature, location and extent of the proposed 5-year plan



2.2. Underground reservoir in the area of the lease

(s.53A(1)(c) Petroleum Act)

2.2.1. The location and a verifiable estimate of the amount of petroleum in the reservoir



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2.2.3. The rate and amount of production proposed from the reservoir

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL.

The Production Commencement Date for the PL is 31 December 2027.

2.2.4. Approximately when the proposed production is to start

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL.

The Production Commencement Date for the PL is 31 December 2027.

2.2.5. A schedule for the proposed production during the plan period

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL.

The Production Commencement Date for the PL is 31 December 2027.

2.3. Reasons that the plan is considered appropriate

(s.53A(1)(f) Petroleum Act 1923)

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. As such this proposed development plan is considered appropriate for the carry out of Exploration Activities only.

3. Overlapping Tenures

For the area of the PL, there are no coal or oil shale mining tenements, Greenhouse Gas authorities or geothermal tenures.

4. Petroleum production will be optimised in the best interests of the State having regard to the public interest

(s. 53A(1)(e) Petroleum Act 1923)

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. During the term of this Development Plan for the PL petroleum production activities cannot occur.

The Holders believe that the proposed activities under the Later Development Plan have been designed using all available data and expert knowledge to optimise the proposed activities in a safe and efficient way.

The Holders are committed to respecting the rights and interests of stakeholders and communities in the area in which they operate. The final locations of the activities will be chosen primarily to optimise knowledge and limit landholder and environmental disturbance.

5. Endorsement

Endorsement of the following for PL 1099:

1. Later Development Plan for the period 27 October 2021 to 26 October 2026

SIGNED for and on behalf of Origin Energy C6 Pty Ltd ABN 68 136 602 947 by its duly authorised representative:	SIGNED for and on behalf of Blue Energy (QLD) Pty Ltd ABN 90 111 757 905 by its duly authorised representative:
<div style="border: 1px solid black; padding: 5px; width: fit-content;">49-Sch4 - Personal Information</div>	
Signature of authorised representative	Signature of authorised representative
Full Name: <div style="border: 1px solid black; padding: 2px;">73(2)Irrelevant</div>	Full Name: <div style="border: 1px solid black; padding: 2px;">73(2)Irrelevant</div>
Title: General Manager, Upstream Growth	Title: Managing Director/Chief Executive Officer
Date: 22 April 2022	Date: 22 April 2022

4. Petroleum production will be optimised in the best interests of the State having regard to the public interest

(s. 53A(1)(e) Petroleum Act 1923)

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. During the term of this Development Plan for the PL petroleum production activities cannot occur.

The Holders believe that the proposed activities under the Later Development Plan have been designed using all available data and expert knowledge to optimise the proposed activities in a safe and efficient way.

The Holders are committed to respecting the rights and interests of stakeholders and communities in the area in which they operate. The final locations of the activities will be chosen primarily to optimise knowledge and limit landholder and environmental disturbance.

5. Endorsement

Endorsement of the following for PL 1099:

1. Later Development Plan for the period 27 October 2021 to 26 October 2026

SIGNED for and on behalf of Origin Energy C6 Pty Ltd ABN 68 136 602 947 by its duly authorised representative:	SIGNED for and on behalf of Blue Energy (QLD) Pty Ltd ABN 90 111 757 905 by its duly authorised representative:
49-Sch4 - Personal Information	49-Sch4 - Personal Information
Signature of authorised representative	Signature of authorised representative
Full Name: 73(2)Irrelevant	Full Name: 73(2)Irrelevant
Title: General Manager, Upstream Growth	Title: Managing Director/Chief Executive Officer
Date: 22 April 2022	Date: 22 April 2022



Petroleum Lease 1100 Windorah B

Later Development Plan

Plan Period: 27 October 2021 to 26 October 2026
Holders: Origin Energy C6 Pty Limited 99% (Principal Holder & Operator)
Blue Energy (QLD) Pty Limited 1%
Legislation: *Petroleum Act 1923 (Qld)*

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Section 53A(1)(a)	an overview of the activities proposed to be carried out under the PL during the remainder of its term or renewed term.	2
Section 53A(1)(b)	Section 53A(1)(b)(i) - the nature and extent of activities proposed to be carried out under the PL during the year;	2
	Section 53A(1)(b)(ii) - where the activities are proposed to be carried out;	2.1.2
	Section 53A(1)(b)(iii) - the estimated cost of the activities.	2
Section 53A(1)(c)	Section 53A(1)(c)(i) - the location and a verifiable estimate of the amount of petroleum remaining in the reservoir;	2.2.1
	Section 53A(1)(c)(ii) - the standards and procedures used to make the estimate;	2.2.2
	Section 53A(1)(c)(iii) - the rate and amount of production proposed from the reservoir; and Section 53A(1)(c)(v) – a schedule for the proposed production during the plan period;	2.2.3
	Section 53A(1)(c)(iv) - approximately when the proposed production is to start, [if it has not already started];	2.2.4
Section 53A(1)(e)	any other information relevant to the 'development plan criteria' mentioned in section 141 of the Petroleum and Gas (Production and Safety Act 2004 (and section 78 of the 1923 Act, if part 6F (overlapping provisions) of the 1923 Act applies to the PL). This includes whether petroleum production under the PL will be optimised in the best interests of the State, having regard to the public interest.	4
Section 53A(1)(f)	reasons why the plan is considered appropriate.	2.3

Pursuant to the Petroleum Act 1923, Origin Energy C6 Pty Limited (Origin) as Operator of Petroleum Lease 1100 (PL), hereby lodges this Proposed Later Development Plan for the period 27 October 2021 to 26 October 2026.

1. Tenure background

The PL was granted to Origin (99%) and Blue Energy (QLD) Pty Ltd (1%) (Blue), the Permit Holders, on 27 October 2021 for a term of ten years (refer to Table 1).

Table 1: Permit Holders and interests relevant to the PL

Permit Holders	Interest
Blue Energy (Qld) Pty Ltd	1%
Origin Energy C6 Pty Limited (Operator)	99%*
Total	100%

* Authorised holder

A condition of the PL is from the date of grant, 27 October 2021 to 31 December 2026, the authorised activities are limited to exploration activities.

The PL covers an area of 80 sub-blocks in the Cooper-Eromanga Basin, southwest Queensland (Figure 1).

The PL is one of eleven Petroleum Leases in the Cooper-Eromanga Basin held by the Permit Holders (Figure 2). These eleven Petroleum Leases overly the Toolebuc Formation, a prospective, continuous unconventional shale play and the target of the exploration activities.

Figure 1: PL sub-blocks applicable to this Later Development Plan

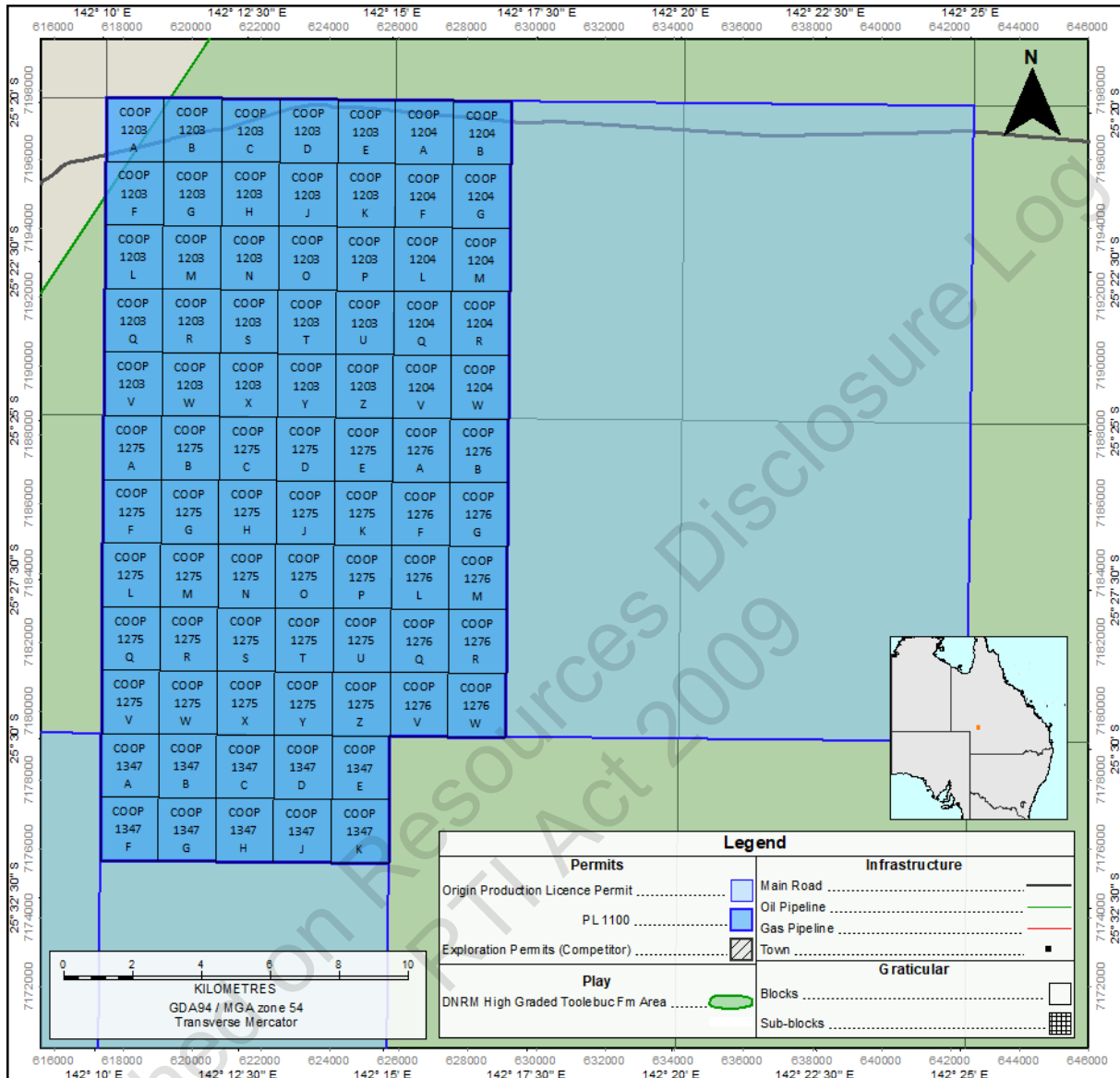
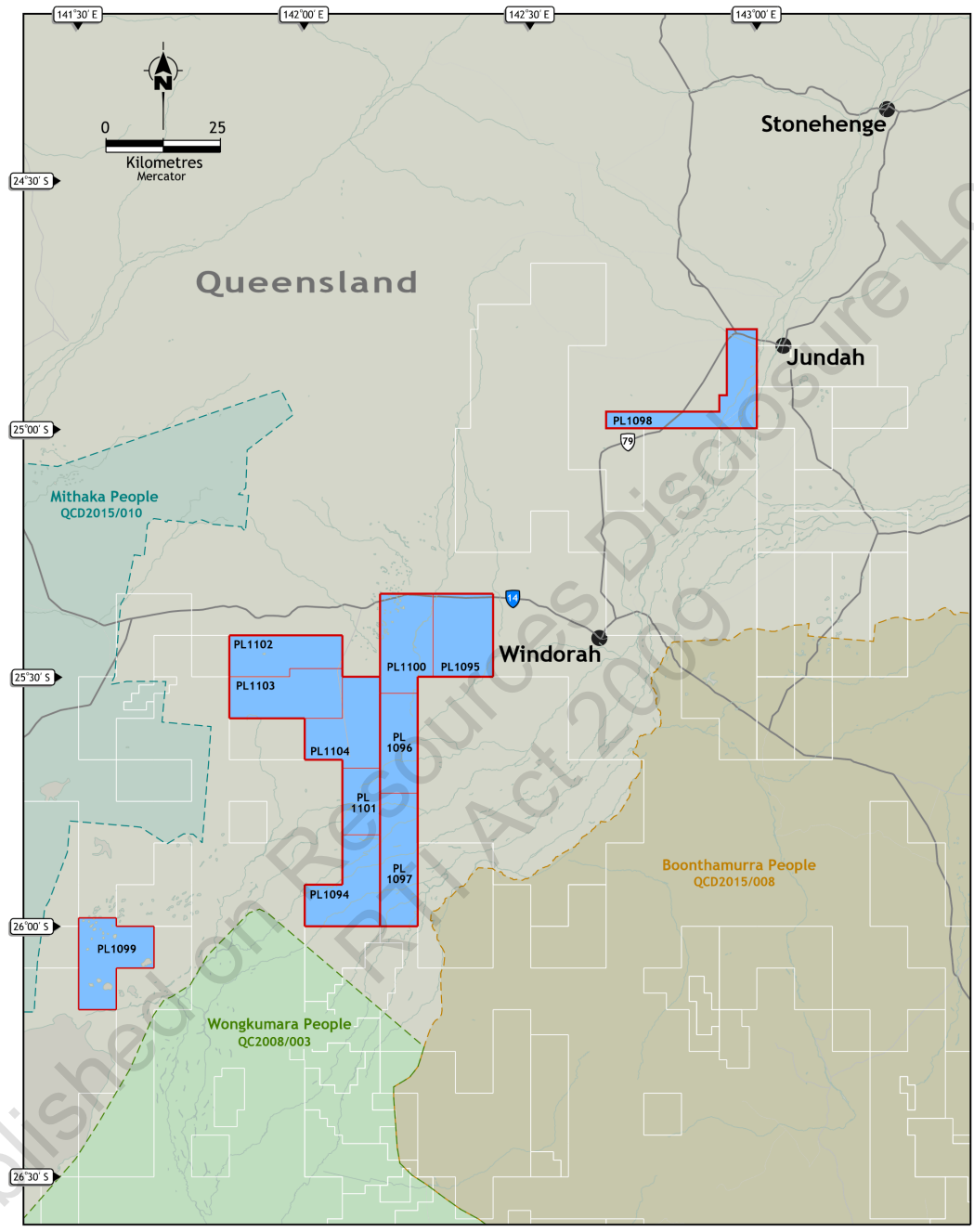


Figure 2: Location of the eleven Cooper-Eromanga Basin Petroleum Leases



Legend

Origin permit	Watercourse
Other permit	Native Title boundary
Town	
Road network	

Eromanga Basin
 Western Queensland

Location Map

2. Proposed Later Development Plan

Condition 8 of the PL - authorised activity is limited to exploration only to 31 December 2026. The following proposed Later Development Plan (LDP) is consistent with this condition.

2.1. Overview of activities proposed to be carried out under the lease

(s.53A(1)(a) Petroleum Act 1923)

This PL has a total of 80 sub-blocks, covering an area of approximately 248 km² (Table 2).

Table 2: Sub-blocks that make up the PL area

BIM	Block(s)	Sub-Block(s)	No. of Sub-blocks
COOP	1203	ALL	25
COOP	1204	a, b, f, g, l, m, q, r, v and w	10
COOP	1275	ALL	25
COOP	1276	a, b, f, g, l, m, q, r, v and w	10
COOP	1347	a, b, c, d, e, f, g, h, j and k	10
Total			80

During the period of exploration only, activities will be focused on reducing subsurface uncertainty and refining knowledge to help inform on the nature and extent of the proposed development and production of the petroleum reserves from the PL. The exact location of activities may change during the term of the LDP including relocating activities to another of the eleven Petroleum Leases (see Figure 2). Factors that will be considered when determining the final location of activities include, but are not limited to the following:

- GG&E analysis results and interpretations
- Land access approvals
- Environmental approvals
- Outcomes of environmental scouting (i.e., ecology survey)
- Native Title Agreement implementation
- Cultural Heritage
- Traditional Owner engagement
- Surface conditions for construction (i.e., lease, access)

The period of the proposed LDP is for 5 years. During this 5-year plan term only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. As such, the activities in this LDP for the PL comply with this condition.

Table 3 summarises the activities to be undertaken over the 10-year PL term.

Table 3: Key milestones for the PL

Year	Key Milestones
1	- Planning, design and approvals - Seismic reprocessing - GG&E desktop studies
2	- Planning, design and approvals - GG&E desktop studies
3	- Planning, design and approvals - GG&E desktop studies
4	- Planning, design and approvals - GG&E desktop studies
5	- Planning, design and approvals - Drill vertical well targeting Toolebuc Formation - Core acquisition and commencing core analysis - GG&E desktop studies
6-10	- Planning, design and approvals - Core analysis - GG&E desktop studies - Commencement & Continuation of Production Activities

2.1.1. Nature and extent of activities proposed to be carried out

(s.53A(1)(b) Petroleum Act 1923)

Table 4 summarise activities to be undertaken over the 5-year prior of this LDP.

2.1.1.1. Plan details

The exploration activities by year and estimated cost for the PL are shown in Table 4.

Table 4: Activities and estimated costs for each year of the 5-year development plan

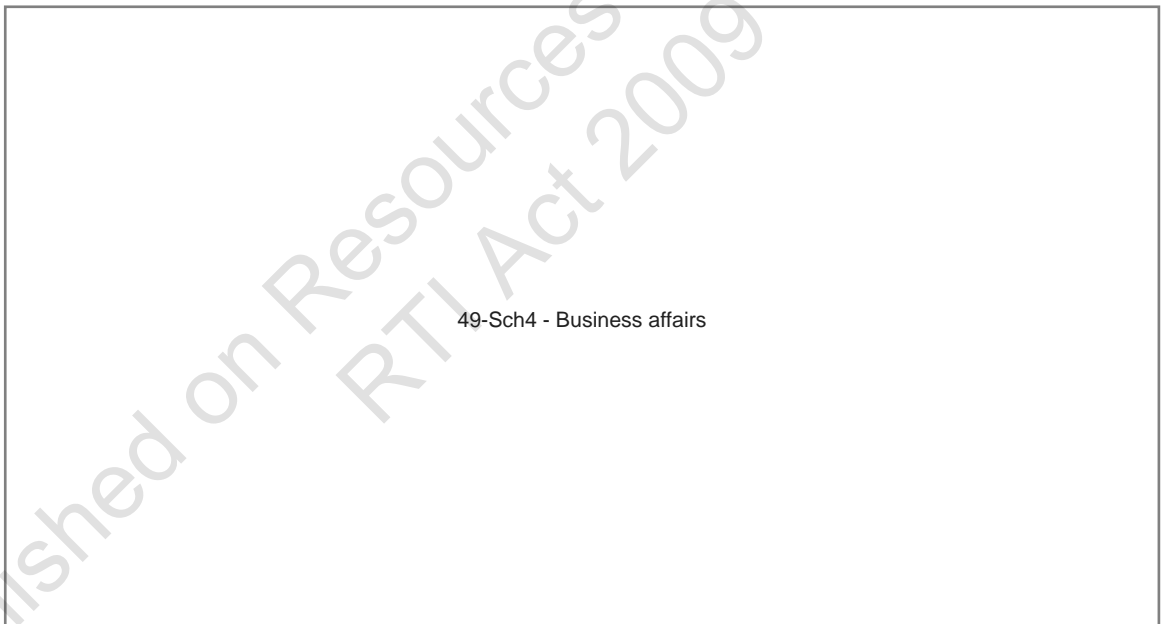
<p>49-Sch4 - Business affairs</p>

2.1.1.2. GG&E



49-Sch4 - Business affairs

2.1.1.3. Seismic



49-Sch4 - Business affairs

2.1.1.4. Wells



49-Sch4 - Business affairs

49-Sch4 - Business affairs

2.1.1.5. Approvals

Completion of the activities in the proposed LDP are subject to the required approvals being obtained. If the necessary external (to Origin) approvals are not received, then the activities in the proposed LDP may need to be amended and/or delayed into future years or future LDPs.

Land Access

Once activity locations have been identified, Origin will consult with all affected landholders. Origin will follow its Gain Access Core Process (GACP) that supports compliance with all local, state and federal legislation and manages access. The GACP allows Origin to identify land access requirements early and engage landholders well ahead of time as to what activities Origin plans to carry out and the potential impacts for each landholder. This enables Origin to begin discussions, early engagement and timely negotiations so that Origin fully understands each Landholders individual requirements for successful coexistence and operations on their land, and for better long-term sustainable relationships.

Origin will maintain ongoing consultation with all affected landholders from inception through to final site rehabilitation. Origin provides adequate prior notice of all activities to be undertaken as part of its operations, including but not limited to, site inspections, seismic acquisition, well locations, drilling activities, civil construction works and the progress of activities.

In strict accordance with legislative requirements, an entry notice is issue and a compensation agreement negotiated and signed prior to entry onto private and public land.

Native Title

An existing Section 31 agreement is in place for the PL.

A Conjunctive Ancillary Agreement is also in place for the PL which includes a Cultural Heritage Management Plan, Origin shall comply with the terms and conditions of the Ancillary Agreement, including the Cultural Heritage Management (CHMP) as required.

None of the PL is subject to a native title claim or determination. Once activity locations have been identified, Origin will determine whether the activity is within the area covered by either Ancillary Agreement with the Mithaka Aboriginal Corporation (Mithaka). If that is the case, the Cultural Heritage Management Plan in the Ancillary Agreement will be applied, as well as the other relevant terms of the Ancillary Agreement to guide Origin's cultural heritage protection and other exploration activity related engagement with the Mithaka.

If the activity location is outside the area covered by either Ancillary Agreement with the Mithaka, Origin will rely on consultation with Mithaka, Boonthamurra (both with nearby determined native title determinations) and searching the Aboriginal and Torres Strait Islander Cultural Heritage Database and Register to determine which Aboriginal groups to consult with regarding cultural heritage protection and exploration activity. This may require the negotiation of a new Cultural Heritage Management Agreement with the relevant group.

Origin will apply the applicable Cultural Heritage Management Agreement to inform the relevant Aboriginal party about proposed exploration activity and work with them to ensure

the area is subject to a cultural heritage survey by Traditional Owners prior to undertaking any ground disturbing work.

Environmental

Origin seeks to operate responsibly and minimise impacts to the environment in which it operates.

Origin has a Health, Safety and Environmental Management System which describes how HSE aspects must be managed. This framework will be implemented during planning and operational periods.

An application for an Environmental Authority (EA) will be made to the Department of Environment and Science (DES). No works can occur on site until the Environmental Authority is granted.

Once the activity locations have been identified, Origin's internal processes will be applied to ensure compliance with Environmental Authority and legislative requirements. This includes conducting an Environmental Constraints Assessment/s and ecology scouting (if required) on the proposed locations to ensure harm to environmental values is minimised, EA compliance is maintained and any additional approvals (e.g., Regional Interests Development Approval) are identified.

2.1.2. Where the activities are proposed to be carried out

The Proposed Work Area of the PL is shown in Figure 3. Location of the Proposed Work Areas during the 5-year development plan term across the eleven Petroleum Leases is shown in Figure 4.

As noted in section 2.1, there are several factors and constraints that need to be considered when determining final locations; therefore, the exact location of the proposed activities may change during the 5-year development plan term, including relocation to another of the eleven Petroleum Leases.

Assessments and approvals to determine the final locations will take place across several years. Assessments will also take place to determine the location of activities and infrastructure in the second 5-year development plan term (year 6-10).

Figure 3: Nature and extent of activities proposed to be carried out in the PL



Figure 4: Nature, location and extent of the proposed 5-year plan



2.2. Underground reservoir in the area of the lease

(s.53A(1)(c) Petroleum Act)

2.2.1. The location and a verifiable estimate of the amount of petroleum in the reservoir



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2.2.3. The rate and amount of production proposed from the reservoir

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL.

The Production Commencement Date for the PL is 31 December 2027.

2.2.4. Approximately when the proposed production is to start

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL.

The Production Commencement Date for the PL is 31 December 2027.

2.2.5. A schedule for the proposed production during the plan period

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL.

The Production Commencement Date for the PL is 31 December 2027.

2.3. Reasons that the plan is considered appropriate

(s.53A(1)(f) Petroleum Act 1923)

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. As such this proposed development plan is considered appropriate for the carry out of Exploration Activities only.

3. Overlapping Tenures

For the area of the PL, there are no coal or oil shale mining tenements, Greenhouse Gas authorities or geothermal tenures.

4. Petroleum production will be optimised in the best interests of the State having regard to the public interest

(s.53A(1)(e) Petroleum Act 1923)

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. During the term of this Development Plan for the PL petroleum production activities cannot occur.

The Holders believe that the proposed activities under the Later Development Plan have been designed using all available data and expert knowledge to optimise the proposed activities in a safe and efficient way.

The Holders are committed to respecting the rights and interests of stakeholders and communities in the area in which they operate. The final locations of the activities will be chosen primarily to optimise knowledge and limit landholder and environmental disturbance.

5. Endorsement

Endorsement of the following for PL 1100:

1. Later Development Plan for the period 27 October 2021 to 26 October 2026

<p>SIGNED for and on behalf of Origin Energy C6 Pty Ltd ABN 68 136 602 947 by its duly authorised representative:</p> <div data-bbox="175 1220 502 1344" style="border: 1px solid black; padding: 5px;">49-Sch4 - Personal Information</div>	<p>SIGNED for and on behalf of Blue Energy (QLD) Pty Ltd ABN 90 111 757 905 by its duly authorised representative:</p>
<p>Signature of authorised representative</p> <p>Full Name 73(2)Irrelevant</p>	<p>Signature of authorised representative</p> <p>Full Name: 73(2)Irrelevant</p>
<p>Title: General Manager, Upstream Growth</p>	<p>Title: Managing Director/Chief Executive Officer</p>
<p>Date: 22 April 2022</p>	<p>Date: 22 April 2022</p>

4. Petroleum production will be optimised in the best interests of the State having regard to the public interest

(s.53A(1)(e) Petroleum Act 1923)

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. During the term of this Development Plan for the PL petroleum production activities cannot occur.

The Holders believe that the proposed activities under the Later Development Plan have been designed using all available data and expert knowledge to optimise the proposed activities in a safe and efficient way.

The Holders are committed to respecting the rights and interests of stakeholders and communities in the area in which they operate. The final locations of the activities will be chosen primarily to optimise knowledge and limit landholder and environmental disturbance.

5. Endorsement

Endorsement of the following for PL 1100:

1. Later Development Plan for the period 27 October 2021 to 26 October 2026

SIGNED for and on behalf of Origin Energy C6 Pty Ltd ABN 68 136 602 947 by its duly authorised representative:		SIGNED for and on behalf of Blue Energy (QLD) Pty Ltd ABN 90 111 757 905 by its duly authorised representative:	
49-Sch4 - Personal Information		49-Sch4 - Personal Information	
Signature of authorised representative		Signature of authorised representative	
Full Name: 73(2)Irrelevant		Full Name: 73(2)Irrelevant	
Title: General Manager, Upstream Growth		Title: Managing Director/Chief Executive Officer	
Date: 22 April 2022		Date: 22 April 2022	



Petroleum Lease 1101 Tanbar North D Later Development Plan

Plan Period: 27 October 2021 to 26 October 2026
Holders: Origin Energy C6 Pty Limited 99% (Principal Holder & Operator)
Blue Energy (QLD) Pty Limited 1%
Legislation: *Petroleum Act 1923 (Qld)*

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Legislative Requirement		Section
Section 53A(1)(a)	an overview of the activities proposed to be carried out under the PL during the remainder of its term or renewed term.	2
Section 53A(1)(b)	Section 53A(1)(b)(i) - the nature and extent of activities proposed to be carried out under the PL during the year;	2
	Section 53A(1)(b)(ii) - where the activities are proposed to be carried out;	2.1.2
	Section 53A(1)(b)(iii) - the estimated cost of the activities.	2
Section 53A(1)(c)	Section 53A(1)(c)(i) - the location and a verifiable estimate of the amount of petroleum remaining in the reservoir;	2.2.1
	Section 53A(1)(c)(ii) - the standards and procedures used to make the estimate;	2.2.2
	Section 53A(1)(c)(iii) - the rate and amount of production proposed from the reservoir; and Section 53A(1)(c)(v) – a schedule for the proposed production during the plan period;	2.2.3
	Section 53A(1)(c)(iv) - approximately when the proposed production is to start, [if it has not already started];	2.2.4
Section 53A(1)(e)	any other information relevant to the 'development plan criteria' mentioned in section 141 of the Petroleum and Gas (Production and Safety Act 2004 (and section 78 of the 1923 Act, if part 6F (overlapping provisions) of the 1923 Act applies to the PL). This includes whether petroleum production under the PL will be optimised in the best interests of the State, having regard to the public interest.	4
Section 53A(1)(f)	reasons why the plan is considered appropriate.	2.3

Pursuant to the Petroleum Act 1923, Origin Energy C6 Pty Limited (Origin) as Operator of Petroleum Lease 1101 (PL), hereby lodges this Proposed Later Development Plan for the period 27 October 2021 to 26 October 2026.

1. Tenure background

The PL was granted to Origin (99%) and Blue Energy (QLD) Pty Ltd (1%) (Blue), the Permit Holders, on 27 October 2021 for a term of ten years (refer to Table 1).

Table 1: Permit Holders and interests relevant to the PL

Permit Holders	Interest
Blue Energy (Qld) Pty Ltd	1%
Origin Energy C6 Pty Limited (Operator)	99%*
Total	100%

* Authorised holder

A condition of the PL is from the date of grant, 27 October 2021 to 31 December 2026, the authorised activities are limited to exploration activities.

The PL covers an area of 40 sub-blocks in the Cooper-Eromanga Basin, southwest Queensland (Figure 1).

The PL is one of eleven Petroleum Leases in the Cooper-Eromanga Basin held by the Permit Holders (Figure 2). These eleven Petroleum Leases overly the Toolebuc Formation, a prospective, continuous unconventional shale play and the target of the exploration activities.

Figure 1. PL sub-blocks applicable to this Later Development Plan.

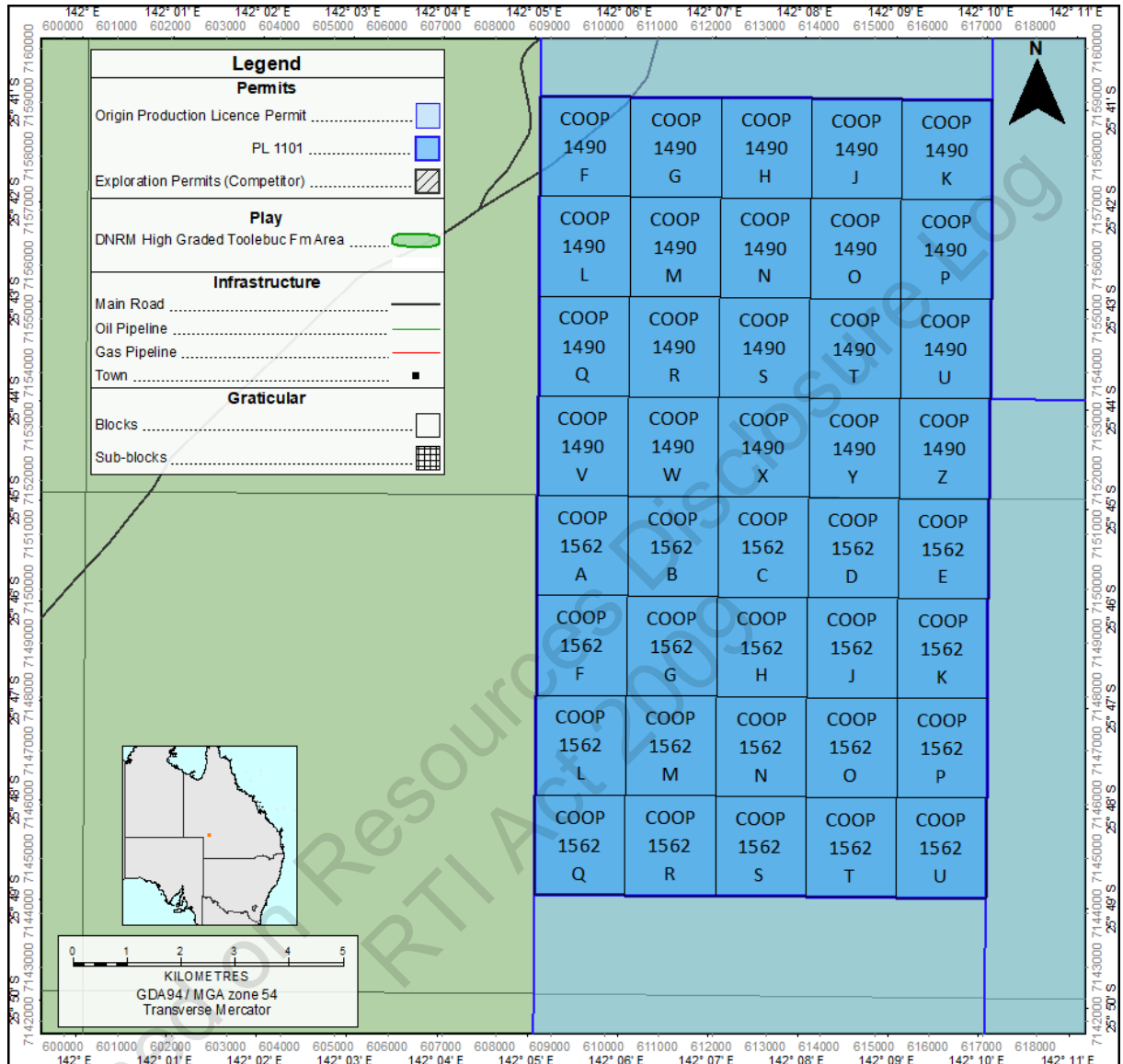
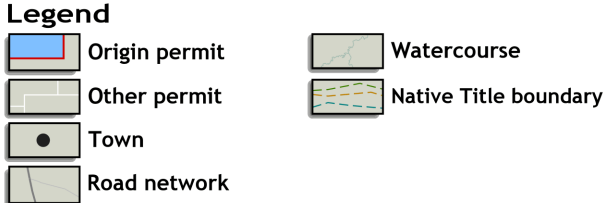
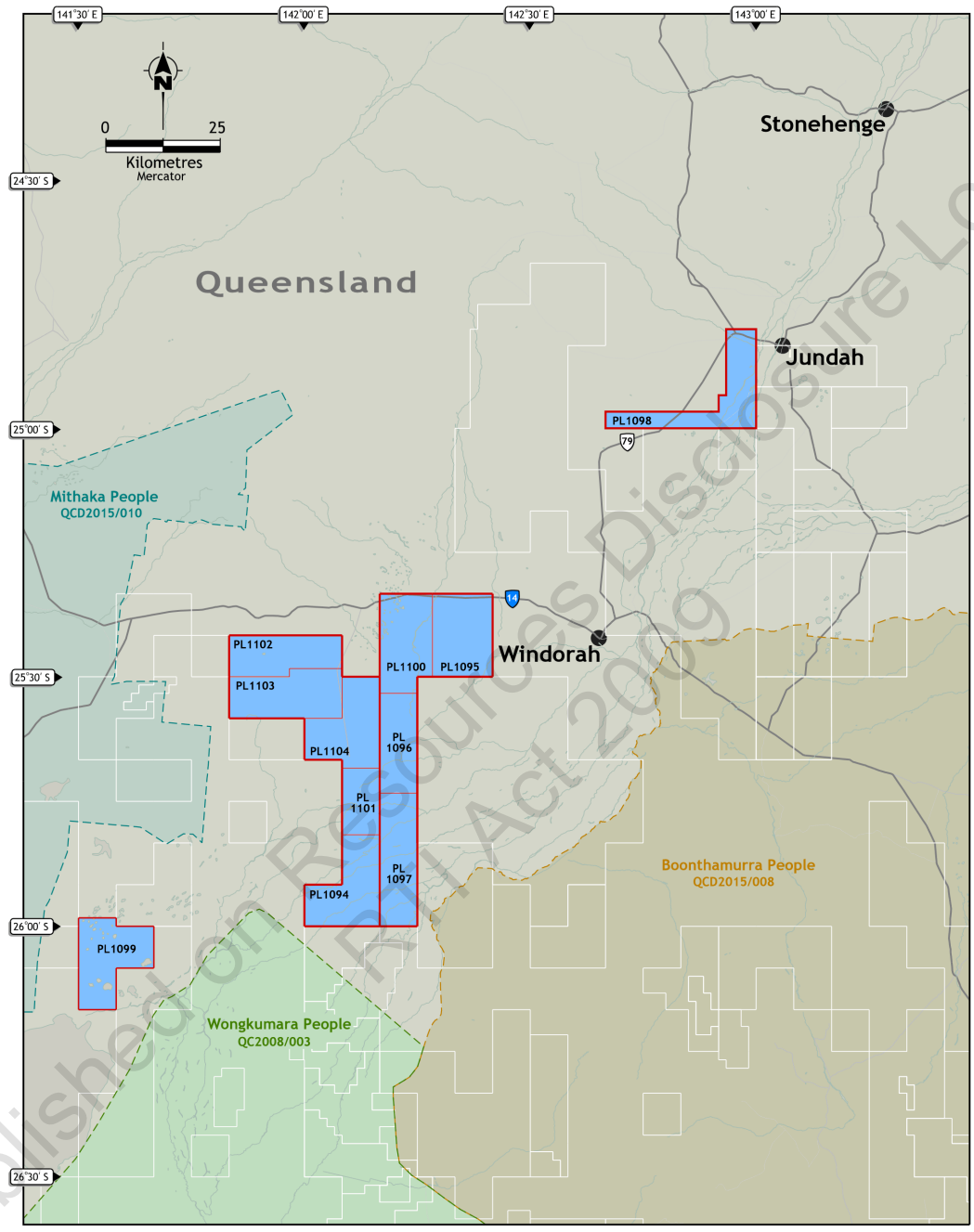


Figure 2: Location of the eleven Cooper-Eromanga Basin Petroleum Leases



Location Map

2. Proposed Later Development Plan

Condition 8 of the PL - authorised activity is limited to exploration only to 31 December 2026. The following proposed Later Development Plan (LDP) is consistent with this condition.

2.1. Overview of activities proposed to be carried out under the lease

(s.53A(1)(a) Petroleum Act 1923)

This PL has a total of 40 sub-blocks, covering an area of approximately 124 km² (Table 2).

Table 2: Sub-blocks that make up the PL area

BIM	Block(s)	Sub-Block(s)	No. of Sub-blocks
COOP	1490	f, g, h, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y and z	20
COOP	1562	a, b, c, d, e, f, g, h, j, k, l, m, n, o, p, q, r, s, t and u	20
Total			40

During the period of exploration only, activities will be focused on reducing subsurface uncertainty and refining knowledge to help inform on the nature and extent of the proposed development and production of the petroleum reserves from the PL. The exact location of activities may change during the term of the LDP including relocating activities to another of the eleven Petroleum Leases (see Figure 3). Factors that will be considered when determining the final location of activities include, but are not limited to the following:

- GG&E analysis results and interpretations
- Land access approvals
- Environmental approvals
- Outcomes of environmental scouting (i.e., ecology survey)
- Native Title Agreement implementation
- Cultural Heritage
- Traditional Owner engagement
- Surface conditions for construction (i.e., lease, access)

The period of the proposed LDP is for 5 years. During this 5-year plan term only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. As such, the activities in this LDP for the PL comply with this condition.

Table 3 summarises the activities to be undertaken over the 10-year PL term.

Table 3: Key milestones for the PL

Year	Key Milestones
1	<ul style="list-style-type: none"> - Planning, design and approvals - Seismic reprocessing - GG&E desktop studies
2	<ul style="list-style-type: none"> - Planning, design and approvals - GG&E desktop studies
3	<ul style="list-style-type: none"> - Planning, design and approvals - GG&E desktop studies
4	<ul style="list-style-type: none"> - Planning, design and approvals - GG&E desktop studies
5	<ul style="list-style-type: none"> - Planning, design and approvals - Drill vertical well targeting Toolebuc Formation - Core acquisition and commencing core analysis - GG&E desktop studies
6-10	<ul style="list-style-type: none"> - Planning, design and approvals - Core analysis - GG&E desktop studies - Commencement & Continuation of Production Activities

2.1.1. Nature and extent of activities proposed to be carried out

(s.53A(1)(b) Petroleum Act 1923)

Table 4 summarise activities to be undertaken over the 5-year prior of this LDP.

2.1.1.1. Plan details

The exploration activities by year and estimated cost for the PL are shown in Table 4.

Table 4: Activities and estimated costs for each year of the 5-year development plan

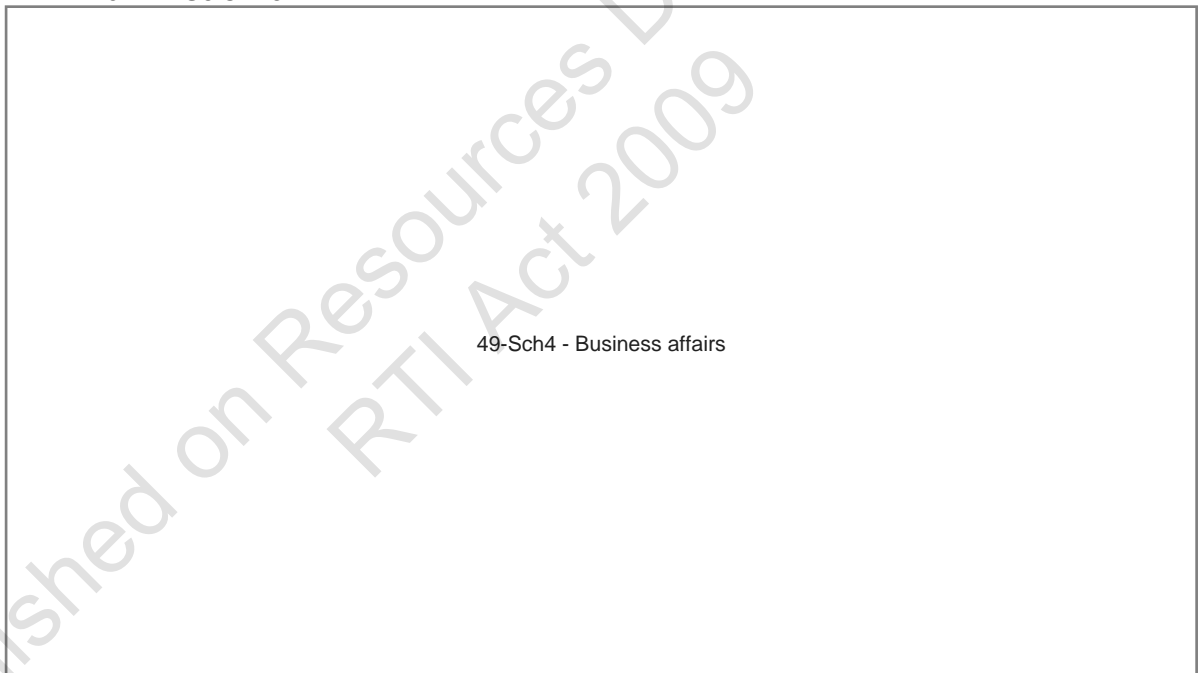
<p>49-Sch4 - Business affairs</p>

2.1.1.2. GG&E



49-Sch4 - Business affairs

2.1.1.3. Seismic



49-Sch4 - Business affairs

2.1.1.4. Wells



49-Sch4 - Business affairs

49-Sch4 - Business affairs

2.1.1.5. Approvals

Completion of the activities in the proposed LDP are subject to the required approvals being obtained. If the necessary external (to Origin) approvals are not received, then the activities in the proposed LDP may need to be amended and/or delayed into future years or future LDPs.

Land Access

Once activity locations have been identified, Origin will consult with all affected landholders. Origin will follow its Gain Access Core Process (GACP) that supports compliance with all local, state and federal legislation and manages access. The GACP allows Origin to identify land access requirements early and engage landholders well ahead of time as to what activities Origin plans to carry out and the potential impacts for each landholder. This enables Origin to begin discussions, early engagement and timely negotiations so that Origin fully understands each Landholders individual requirements for successful coexistence and operations on their land, and for better long-term sustainable relationships.

Origin will maintain ongoing consultation with all affected landholders from inception through to final site rehabilitation. Origin provides adequate prior notice of all activities to be undertaken as part of its operations, including but not limited to, site inspections, seismic acquisition, well locations, drilling activities, civil construction works and the progress of activities.

In strict accordance with legislative requirements, an entry notice is issue and a compensation agreement negotiated and signed prior to entry onto private and public land.

Native Title

An existing Section 31 agreement is in place for the PL.

A Conjunctive Ancillary Agreement is also in place for the PL which includes a Cultural Heritage Management Plan, Origin shall comply with the terms and conditions of the Ancillary Agreement, including the Cultural Heritage Management (CHMP) as required.

None of the PL is subject to a native title claim or determination. Once activity locations have been identified, Origin will determine whether the activity is within the area covered by either Ancillary Agreement with the Mithaka Aboriginal Corporation (Mithaka). If that is the case, the Cultural Heritage Management Plan in the Ancillary Agreement will be applied, as well as the other relevant terms of the Ancillary Agreement to guide Origin's cultural heritage protection and other exploration activity related engagement with the Mithaka.

If the activity location is outside the area covered by either Ancillary Agreement with the Mithaka, Origin will rely on consultation with Mithaka, Boonthamurra (both with nearby determined native title determinations) and searching the Aboriginal and Torres Strait Islander Cultural Heritage Database and Register to determine which Aboriginal groups to consult with regarding cultural heritage protection and exploration activity. This may require the negotiation of a new Cultural Heritage Management Agreement with the relevant group.

Origin will apply the applicable Cultural Heritage Management Agreement to inform the relevant Aboriginal party about proposed exploration activity and work with them to ensure

the area is subject to a cultural heritage survey by Traditional Owners prior to undertaking any ground disturbing work.

Environmental

Origin seeks to operate responsibly and minimise impacts to the environment in which it operates.

Origin has a Health, Safety and Environmental Management System which describes how HSE aspects must be managed. This framework will be implemented during planning and operational periods.

An application for an Environmental Authority (EA) will be made to the Department of Environment and Science (DES). No works can occur on site until the Environmental Authority is granted.

Once the activity locations have been identified, Origin's internal processes will be applied to ensure compliance with Environmental Authority and legislative requirements. This includes conducting an Environmental Constraints Assessment/s and ecology scouting (if required) on the proposed locations to ensure harm to environmental values is minimised, EA compliance is maintained and any additional approvals (e.g. Regional Interests Development Approval) are identified.

2.1.2. Where the activities are proposed to be carried out

The Proposed Work Area of the PL is shown in Figure 3. Location of the Proposed Work Areas during the 5-year development plan term across the eleven Petroleum Leases is shown in Figure 4.

As noted in section 2.1, there are several factors and constraints that need to be considered when determining final locations; therefore, the exact location of the proposed activities may change during the 5-year development plan term, including relocation to another of the eleven Petroleum Leases

Assessments and approvals to determine the final locations will take place across several years. Assessments will also take place to determine the location of activities and infrastructure in the second 5-year development plan term (year 6-10).

Figure 3: Nature and extent of activities proposed to be carried out in the PL



Figure 4: Nature, location and extent of the proposed 5-year plan



2.2. Underground reservoir in the area of the lease

(s.53A(1)(c) Petroleum Act)

2.2.1. The location and a verifiable estimate of the amount of petroleum in the reservoir



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2.2.3. The rate and amount of production proposed from the reservoir

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL.

The Production Commencement Date for the PL is 31 December 2027.

2.2.4. Approximately when the proposed production is to start

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL.

The Production Commencement Date for the PL is 31 December 2027.

2.2.5. A schedule for the proposed production during the plan period

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL.

The Production Commencement Date for the PL is 31 December 2027.

2.3. Reasons that the plan is considered appropriate

(s.53A(1)(f) Petroleum Act 1923)

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. As such this proposed development plan is considered appropriate for the carry out of Exploration Activities only.

3. Overlapping Tenures

For the area of the PL, there are no coal or oil shale mining tenements, Greenhouse Gas authorities or geothermal tenures.

4. Petroleum production will be optimised in the best interests of the State having regard to the public interest

(s.53A(1)(e) Petroleum Act 1923)

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. During the term of this Development Plan for the PL petroleum production activities cannot occur.

The Holders believe that the proposed activities under the Later Development Plan have been designed using all available data and expert knowledge to optimise the proposed activities in a safe and efficient way.

The Holders are committed to respecting the rights and interests of stakeholders and communities in the area in which they operate. The final locations of the activities will be chosen primarily to optimise knowledge and limit landholder and environmental disturbance.

5. Endorsement

Endorsement of the following for PL 1101:

1. Later Development Plan for the period 27 October 2021 to 26 October 2026

SIGNED for and on behalf of Origin Energy C6 Pty Ltd ABN 68 136 602 947 by its duly authorised representative:	SIGNED for and on behalf of Blue Energy (QLD) Pty Ltd ABN 90 111 757 905 by its duly authorised representative:
49-Sch4 - Personal Information	
Signature of authorised representative	Signature of authorised representative
Full Name: 73(2)Irrelevant	Full Name: 73(2)Irrelevant
Title: General Manager, Upstream Growth	Title: Managing Director/Chief Executive Officer
Date: 22 April 2022	Date: 22 April 2022

4. Petroleum production will be optimised in the best interests of the State having regard to the public interest

(s.53A(1)(e) Petroleum Act 1923)

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. During the term of this Development Plan for the PL petroleum production activities cannot occur.

The Holders believe that the proposed activities under the Later Development Plan have been designed using all available data and expert knowledge to optimise the proposed activities in a safe and efficient way.

The Holders are committed to respecting the rights and interests of stakeholders and communities in the area in which they operate. The final locations of the activities will be chosen primarily to optimise knowledge and limit landholder and environmental disturbance.

5. Endorsement

Endorsement of the following for PL 1101:

1. Later Development Plan for the period 27 October 2021 to 26 October 2026

SIGNED for and on behalf of Origin Energy C6 Pty Ltd ABN 68 136 602 947 by its duly authorised representative:	SIGNED for and on behalf of Blue Energy (QLD) Pty Ltd ABN 90 111 757 905 by its duly authorised representative:
49-Sch4 - Personal Information	49-Sch4 - Personal Information
Signature of authorised representative	Signature of authorised representative
Full Name: 73(2)Irrelevant	Full Name: 73(2)Irrelevant
Title: General Manager, Upstream Growth	Title: Managing Director/Chief Executive Officer
Date: 22 April 2022	Date: 22 April 2022



Petroleum Lease 1102 Tanbar North A

Later Development Plan

Plan Period: 27 October 2021 to 26 October 2026
Holders: Origin Energy C6 Pty Limited 99% (Principal Holder & Operator)
Blue Energy (QLD) Pty Limited 1%
Legislation: *Petroleum Act 1923 (Qld)*

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Table of contents referencing each statutory requirement

Legislative Requirement		Section
Section 53A(1)(a)	an overview of the activities proposed to be carried out under the PL during the remainder of its term or renewed term.	2
Section 53A(1)(b)	Section 53A(1)(b)(i) - the nature and extent of activities proposed to be carried out under the PL during the year;	2
	Section 53A(1)(b)(ii) - where the activities are proposed to be carried out;	2.1.2
	Section 53A(1)(b)(iii) - the estimated cost of the activities.	2
Section 53A(1)(c)	Section 53A(1)(c)(i) - the location and a verifiable estimate of the amount of petroleum remaining in the reservoir;	2.2.1
	Section 53A(1)(c)(ii) - the standards and procedures used to make the estimate;	2.2.2
	Section 53A(1)(c)(iii) - the rate and amount of production proposed from the reservoir; and Section 53A(1)(c)(v) – a schedule for the proposed production during the plan period;	2.2.3
	Section 53A(1)(c)(iv) - approximately when the proposed production is to start, [if it has not already started];	2.2.4
Section 53A(1)(e)	any other information relevant to the 'development plan criteria' mentioned in section 141 of the Petroleum and Gas (Production and Safety Act 2004 (and section 78 of the 1923 Act, if part 6F (overlapping provisions) of the 1923 Act applies to the PL). This includes whether petroleum production under the PL will be optimised in the best interests of the State, having regard to the public interest.	4
Section 53A(1)(f)	reasons why the plan is considered appropriate.	2.3

Pursuant to the Petroleum Act 1923, Origin Energy C6 Pty Limited (Origin) as Operator of Petroleum Lease 1102 (PL), hereby lodges this Proposed Later Development Plan (LDP) for the period 27 October 2021 to 26 October 2026.

1. Tenure background

The PL was granted to Origin (99%) and Blue Energy (QLD) Pty Ltd (1%) (Blue), the Permit Holders, on 27 October 2021 for a term of ten years (refer to Table 1).

Table 1: Permit Holders and interests relevant to the PL

Permit Holders	Interest
Blue Energy (Qld) Pty Ltd	1%
Origin Energy C6 Pty Limited (Operator)	99%*
Total	100%

* Authorised holder

A condition of the PL is from the date of grant, 27 October 2021 to 31 December 2026, the authorised activities are limited to exploration activities.

The PL covers an area of 68 sub-blocks in the Cooper-Eromanga Basin, southwest Queensland (Figure 1).

The PL is one of eleven Petroleum Leases in the Cooper-Eromanga Basin held by the Permit Holders (Figure 2). These eleven Petroleum Leases overly the Toolebuc Formation, a prospective, continuous unconventional shale play and the target of the exploration activities.

Figure 1: PL sub-blocks applicable to this Later Development Plan

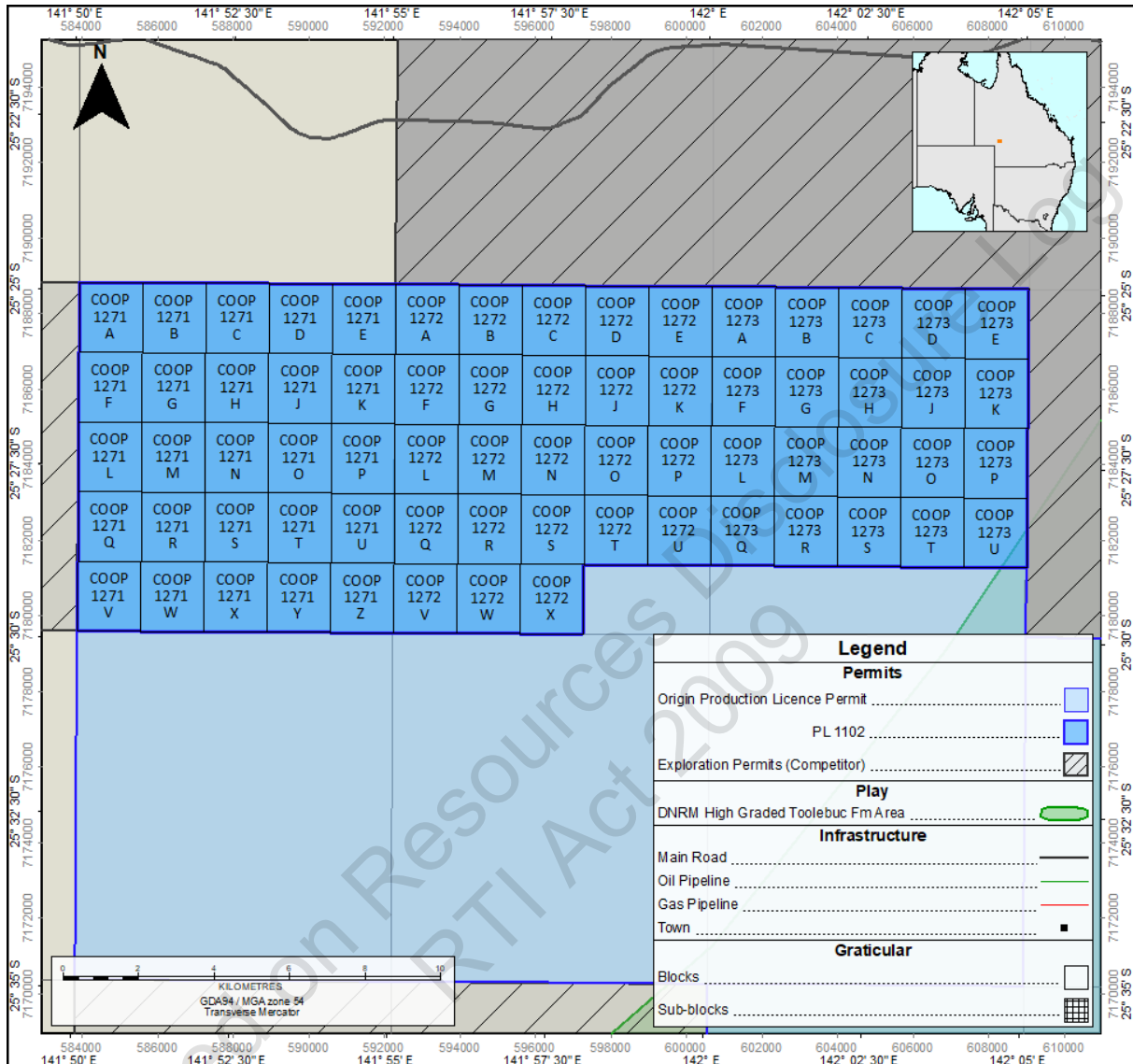
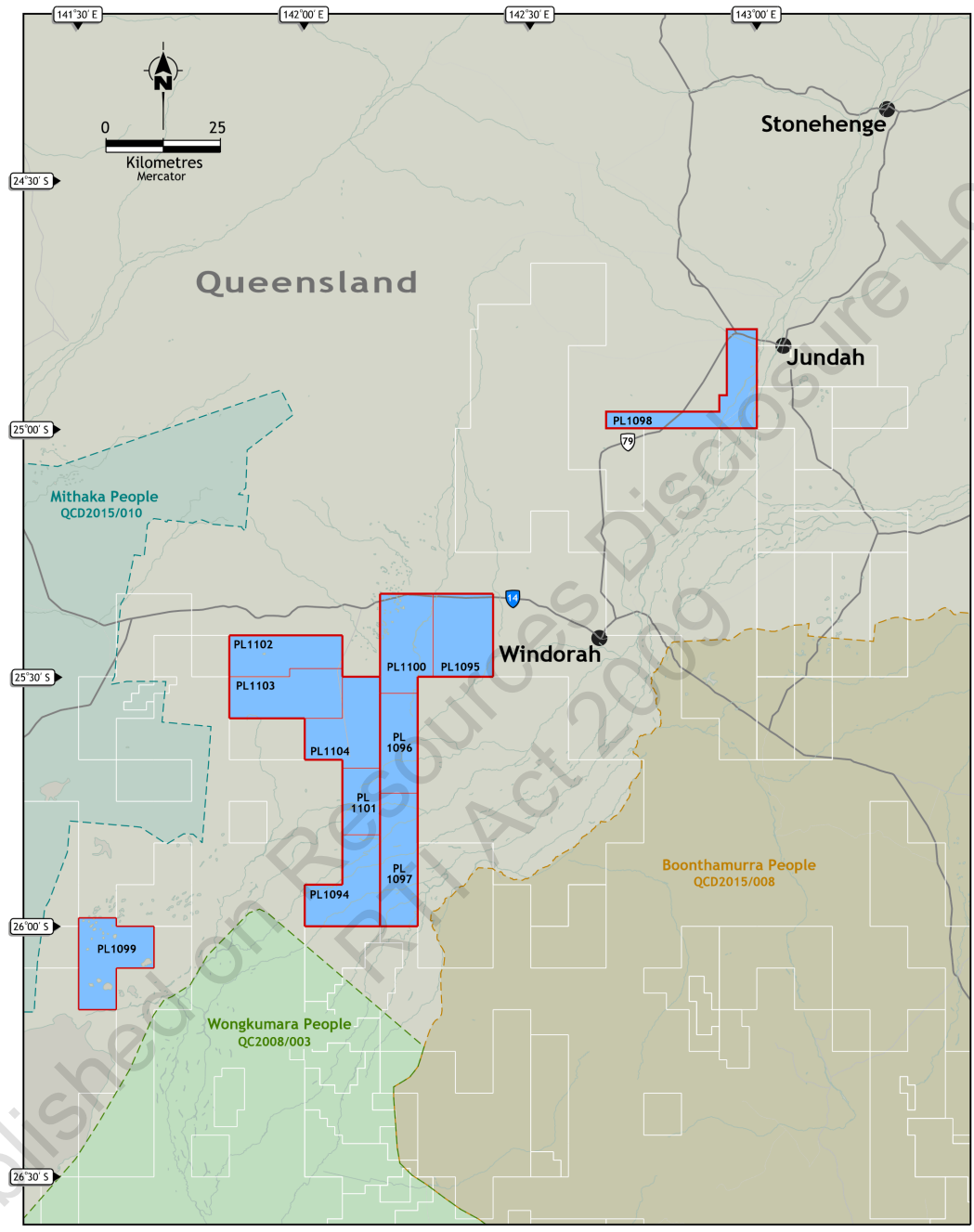


Figure 2: Location of the eleven Cooper-Eromanga Basin Petroleum Leases



Legend

Origin permit	Watercourse
Other permit	Native Title boundary
Town	
Road network	

Eromanga Basin
 Western Queensland

Location Map

2. Proposed Later Development Plan

Condition 8 of the PL - authorised activity is limited to exploration only to 31 December 2026. The following proposed LDP is consistent with this condition.

2.1. Overview of activities proposed to be carried out under the lease

(s.53A(1)(a) Petroleum Act 1923)

This PL has a total of 68 sub-blocks, covering an area of approximately 211 km² (Table 2 Table 2).

Table 2: Sub-blocks that make up the PL area

BIM	Block(s)	Sub-Block(s)	No. of Sub-blocks
COOP	1271	ALL	25
COOP	1272	a, b, c, d, e, f, g, h, j, k, l, m, n, o, p, q, r, s, t, u, v, w and x	23
COOP	1273	a, b, c, d, e, f, g, h, j, k, l, m, n, o, p, q, r, s, t and u	20
Total			68

During the period of exploration only, activities will be focused on reducing subsurface uncertainty and refining knowledge to help inform on the nature and extent of the proposed development and production of the petroleum reserves from the PL. The exact location of activities may change during the term of the LDP including relocating activities to another of the eleven Petroleum Leases (see Figure 2). Factors that will be considered when determining the final location of activities include, but are not limited to the following:

- GG&E analysis results and interpretations
- Land access approvals
- Environmental approvals
- Outcomes of environmental scouting (i.e., ecology survey)
- Native Title Agreement implementation
- Cultural Heritage
- Traditional Owner engagement
- Surface conditions for construction (i.e., lease, access)

The period of the proposed LDP is for 5 years. During this 5-year plan term only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. As such, the activities in this LDP for the PL comply with this condition.

Table 3 summarises the activities to be undertaken over the 10-year PL term.

Table 3: Key milestones for the PL

Year	Key Milestones
1	- Planning, design and approvals - Seismic Reprocessing - GG&E
2	- Planning, design and approvals - GG&E
3	- Planning, design and approvals - GG&E
4	- Planning, design and approvals - GG&E
5	- Planning, design and approvals - GG&E
6-10	- Planning, design and approvals - GG&E - Commencement & Continuation of Production Activities

2.1.1. Nature and extent of activities proposed to be carried out during the year

(s.53A(1)(b) Petroleum Act 1923)

Table 4 summarise activities to be undertaken over the 5-year prior of this LDP.

2.1.1.1. Plan Details

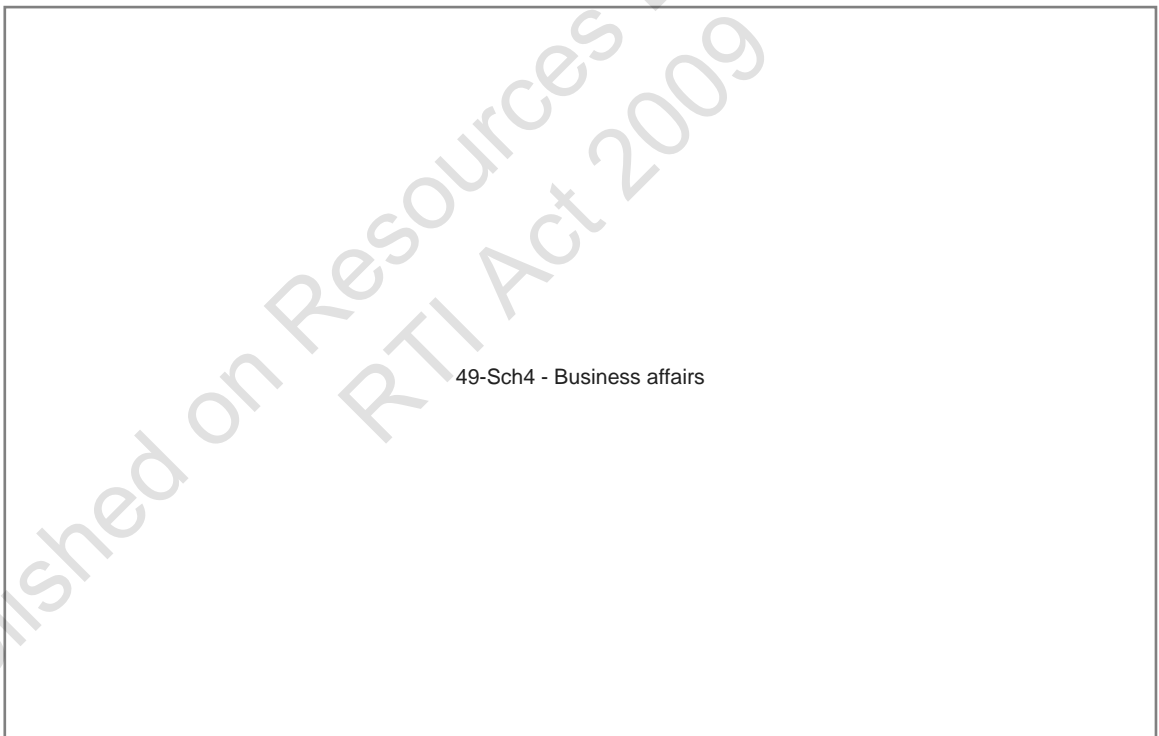
49-Sch4 - Business affairs

2.1.1.2. GG&E



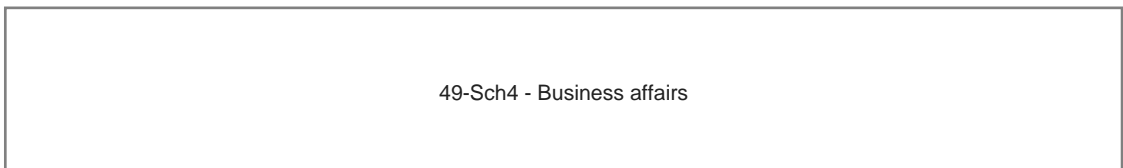
49-Sch4 - Business affairs

2.1.1.3. Seismic



49-Sch4 - Business affairs

2.1.1.4. Wells



49-Sch4 - Business affairs

2.1.1.5. Approvals

Completion of the activities in the proposed LDP are subject to the required approvals being obtained. If the necessary external (to Origin) approvals are not received, then the activities in the proposed LDP may need to be amended and/or delayed into future years or future LDPs.

Land Access

Once activity locations have been identified, Origin will consult with all affected landholders. Origin will follow its Gain Access Core Process (GACP) that supports compliance with all local, state and federal legislation and manages access. The GACP allows Origin to identify land access requirements early and engage landholders well ahead of time as to what activities Origin plans to carry out and the potential impacts for each landholder. This enables Origin to begin discussions, early engagement and timely negotiations so that Origin fully understands each Landholders individual requirements for successful coexistence and operations on their land, and for better long-term sustainable relationships.

Origin will maintain ongoing consultation with all affected landholders from inception through to final site rehabilitation. Origin provides adequate prior notice of all activities to be undertaken as part of its operations, including but not limited to, site inspections, seismic acquisition, well locations, drilling activities, civil construction works and the progress of activities.

In strict accordance with legislative requirements, an entry notice is issue and a compensation agreement negotiated and signed prior to entry onto private and public land.

Native Title

An existing Section 31 agreement is in place for the PL.

A Conjunctive Ancillary Agreement is also in place for the PL which includes a Cultural Heritage Management Plan, Origin shall comply with the terms and conditions of the Ancillary Agreement, including the Cultural Heritage Management (CHMP) as required.

None of the PL is subject to a native title claim or determination. Once activity locations have been identified, Origin will determine whether the activity is within the area covered by either Ancillary Agreement with the Mithaka Aboriginal Corporation (Mithaka). If that is the case, the Cultural Heritage Management Plan in the Ancillary Agreement will be applied, as well as the other relevant terms of the Ancillary Agreement to guide Origin's cultural heritage protection and other exploration activity related engagement with the Mithaka.

If the activity location is outside the area covered by either Ancillary Agreement with the Mithaka, Origin will rely on consultation with Mithaka, Boonthamurra (both with nearby determined native title determinations) and searching the Aboriginal and Torres Strait Islander Cultural Heritage Database and Register to determine which Aboriginal groups to consult with regarding cultural heritage protection and exploration activity. This may require the negotiation of a new Cultural Heritage Management Agreement with the relevant group.

Origin will apply the applicable Cultural Heritage Management Agreement to inform the relevant Aboriginal party about proposed exploration activity and work with them to ensure the area is subject to a cultural heritage survey by Traditional Owners prior to undertaking any ground disturbing work.

Environmental

Origin seeks to operate responsibly and minimise impacts to the environment in which it operates.

Origin has a Health, Safety and Environmental Management System which describes how HSE aspects must be managed. This framework will be implemented during planning and operational periods.

An application for an Environmental Authority (EA) will be made to the Department of Environment and Science (DES). No works can occur on site until the Environmental Authority is granted.

Once the activity locations have been identified, Origin's internal processes will be applied to ensure compliance with Environmental Authority and legislative requirements. This includes conducting an Environmental Constraints Assessment/s and ecology scouting (if required) on the proposed locations to ensure harm to environmental values is minimised, EA compliance is maintained and any additional approvals (e.g. Regional Interests Development Approval) are identified.

2.1.2. Where the activities are proposed to be carried out

The Proposed Work Area of the PL is shown in Figure 3. Location of the Proposed Work Areas during the 5-year development plan term across the eleven PL's is shown in Figure 4.

As noted in section 2.1, there are several factors and constraints that need to be considered when determining final locations; therefore, the exact location of the proposed activities may change during the 5-year development plan term, including relocation to another of the eleven Petroleum Leases.

Assessments and approvals to determine the final locations will take place across several years. Assessments will also take place to determine the location of activities and infrastructure in the second 5-year development plan term (year 6-10).

There are no planned activities to be undertaken on the PL during this 5-year development. Activities are expected to be limited to planning, design & approvals, GG&E and seismic reprocessing, refer to Figure 3.

Figure 3: Nature and extent of activities proposed to be carried out on the PL



Figure 4: Nature, location and extent of the proposed 5-year plan



2.2. Underground reservoir in the area of the lease

(s.53A(1)(c) Petroleum Act)

2.2.1. The location and a verifiable estimate of the amount of petroleum in the reservoir



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RTI Act 2009

49-Sch4 - Business affairs

2.2.3. The rate and amount of production proposed from the reservoir

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL.

The Production Commencement Date for the PL is 31 December 2027.

2.2.4. Approximately when the proposed production is to start

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL.

The Production Commencement Date for the PL is 31 December 2027.

2.2.5. A schedule for the proposed production during the plan period

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL.

The Production Commencement Date for the PL is 31 December 2027.

2.3. Reasons that the plan is considered appropriate

(s.53A(1)(f) Petroleum Act 1923)

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. As such this proposed development plan is considered appropriate for the carry out of Exploration Activities only.

3. Overlapping Tenures

For the area of the PL, there are no coal or oil shale mining tenements, Greenhouse Gas authorities or geothermal tenures.

4. Petroleum production will be optimised in the best interests of the State having regard to the public interest

(s.53A(1)(e) Petroleum Act 1923)

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. During the term of this Development Plan for the PL petroleum production activities cannot occur.

The Holders believe that the proposed activities under the Later Development Plan have been designed using all available data and expert knowledge to optimise the proposed activities in a safe and efficient way.

The Holders are committed to respecting the rights and interests of stakeholders and communities in the area in which they operate. The final locations of the activities will be chosen primarily to optimise knowledge and limit landholder and environmental disturbance.

5. Endorsement

Endorsement of the following for PL 1102:

1. Later Development Plan for the period 27 October 2021 to 26 October 2026

<p>SIGNED for and on behalf of Origin Energy C6 Pty Ltd ABN 68 136 602 947 by its duly authorised representative:</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;">49-Sch4 - Personal Information</div>	<p>SIGNED for and on behalf of Blue Energy (QLD) Pty Ltd ABN 90 111 757 905 by its duly authorised representative:</p>
<p>Signature of authorised representative</p> <p>Full Name: 73(2)Irrelevant</p>	<p>Signature of authorised representative</p> <p>Full Name: 73(2)Irrelevant</p>
<p>Title: General Manager, Upstream Growth</p>	<p>Title: Managing Director/Chief Executive Officer</p>
<p>Date: 22 April 2022</p>	<p>Date: 22 April 2022</p>

4. Petroleum production will be optimised in the best interests of the State having regard to the public interest

(s.53A(1)(e) Petroleum Act 1923)

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. During the term of this Development Plan for the PL petroleum production activities cannot occur.

The Holders believe that the proposed activities under the Later Development Plan have been designed using all available data and expert knowledge to optimise the proposed activities in a safe and efficient way.

The Holders are committed to respecting the rights and interests of stakeholders and communities in the area in which they operate. The final locations of the activities will be chosen primarily to optimise knowledge and limit landholder and environmental disturbance.

5. Endorsement

Endorsement of the following for PL 1102:

1. Later Development Plan for the period 27 October 2021 to 26 October 2026

SIGNED for and on behalf of Origin Energy C6 Pty Ltd ABN 68 136 602 947 by its duly authorised representative:	SIGNED for and on behalf of Blue Energy (QLD) Pty Ltd ABN 90 111 757 905 by its duly authorised representative:
49-Sch4 - Personal Information	49-Sch4 - Personal Information
Signature of authorised representative	Signature of authorised representative
Full Name: 73(2)Irrelevant	Full Name 73(2)Irrelevant
Title: General Manager, Upstream Growth	Title: Managing Director/Chief Executive Officer
Date: 22 April 2022	Date: 22 April 2022



Petroleum Lease 1103 Tanbar North B

Later Development Plan

Plan Period: 27 October 2021 – 26 October 2026
Holders: Origin Energy C6 Pty Limited 99% (Principal Holder & Operator)
Blue Energy (QLD) Pty Limited 1%
Legislation: *Petroleum Act 1923 (Qld)*

Published on Resource Disclosure Log
RTI Act 2009

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Section 53A(1)(b)	Section 53A(1)(b)(i) - the nature and extent of activities proposed to be carried out under the PL during the year;	2
	Section 53A(1)(b)(ii) - where the activities are proposed to be carried out;	2.1.2
	Section 53A(1)(b)(iii) - the estimated cost of the activities.	2
Section 53A(1)(c)	Section 53A(1)(c)(i) - the location and a verifiable estimate of the amount of petroleum remaining in the reservoir;	2.2.1
	Section 53A(1)(c)(ii) - the standards and procedures used to make the estimate;	2.2.2
	Section 53A(1)(c)(iii) - the rate and amount of production proposed from the reservoir; and Section 53A(1)(c)(v) – a schedule for the proposed production during the plan period;	2.2.3
	Section 53A(1)(c)(iv) - approximately when the proposed production is to start, [if it has not already started];	2.2.4
Section 53A(1)(e)	any other information relevant to the 'development plan criteria' mentioned in section 141 of the Petroleum and Gas (Production and Safety Act 2004 (and section 78 of the 1923 Act, if part 6F (overlapping provisions) of the 1923 Act applies to the PL). This includes whether petroleum production under the PL will be optimised in the best interests of the State, having regard to the public interest.	4
Section 53A(1)(f)	reasons why the plan is considered appropriate.	2.3

Pursuant to the Petroleum Act 1923, Origin Energy C6 Pty Limited (Origin) as Operator of Petroleum Lease 1103 (PL), hereby lodges this Proposed Later Development Plan (LDP) for the period 27 October 2021 to 26 October 2026.

1. Tenure background

The PL was granted to Origin (99%) and Blue Energy (QLD) Pty Ltd (1%) (Blue), the Permit Holders, on 27 October 2021 for a term of ten years (refer to Table 1).

Table 1: Permit Holders and interests relevant to the PL

Permit Holders	Interest
Blue Energy (Qld) Pty Ltd	1%
Origin Energy C6 Pty Limited (Operator)	99%*
Total	100%

* Authorised holder

A condition of the PL is from the date of grant, 27 October 2021 to 31 December 2026, the authorised activities are limited to exploration activities.

The PL covers an area of 82 sub-blocks in the Cooper-Eromanga Basin, southwest Queensland (Figure 1).

The PL is one of eleven Petroleum Leases in the Cooper-Eromanga Basin held by the Permit Holders (Figure 2). These eleven Petroleum Leases overly the Toolebuc Formation, a prospective, continuous unconventional shale play and the target of the exploration activities.

Figure 1: PL sub-blocks applicable to this Later Development Plan

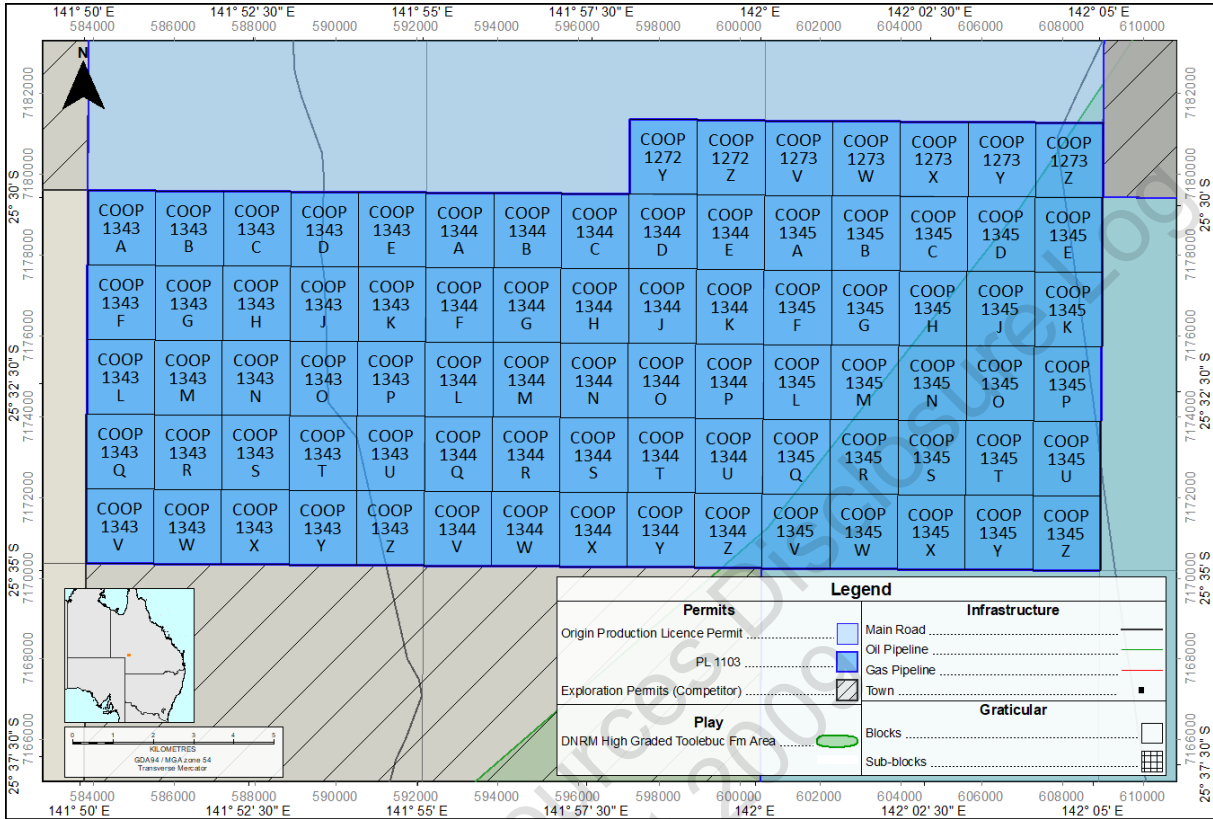
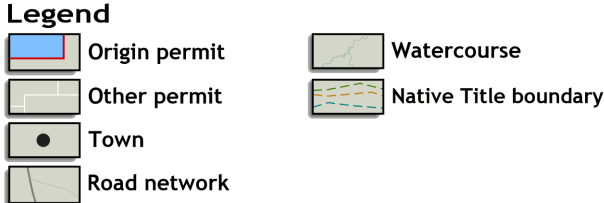
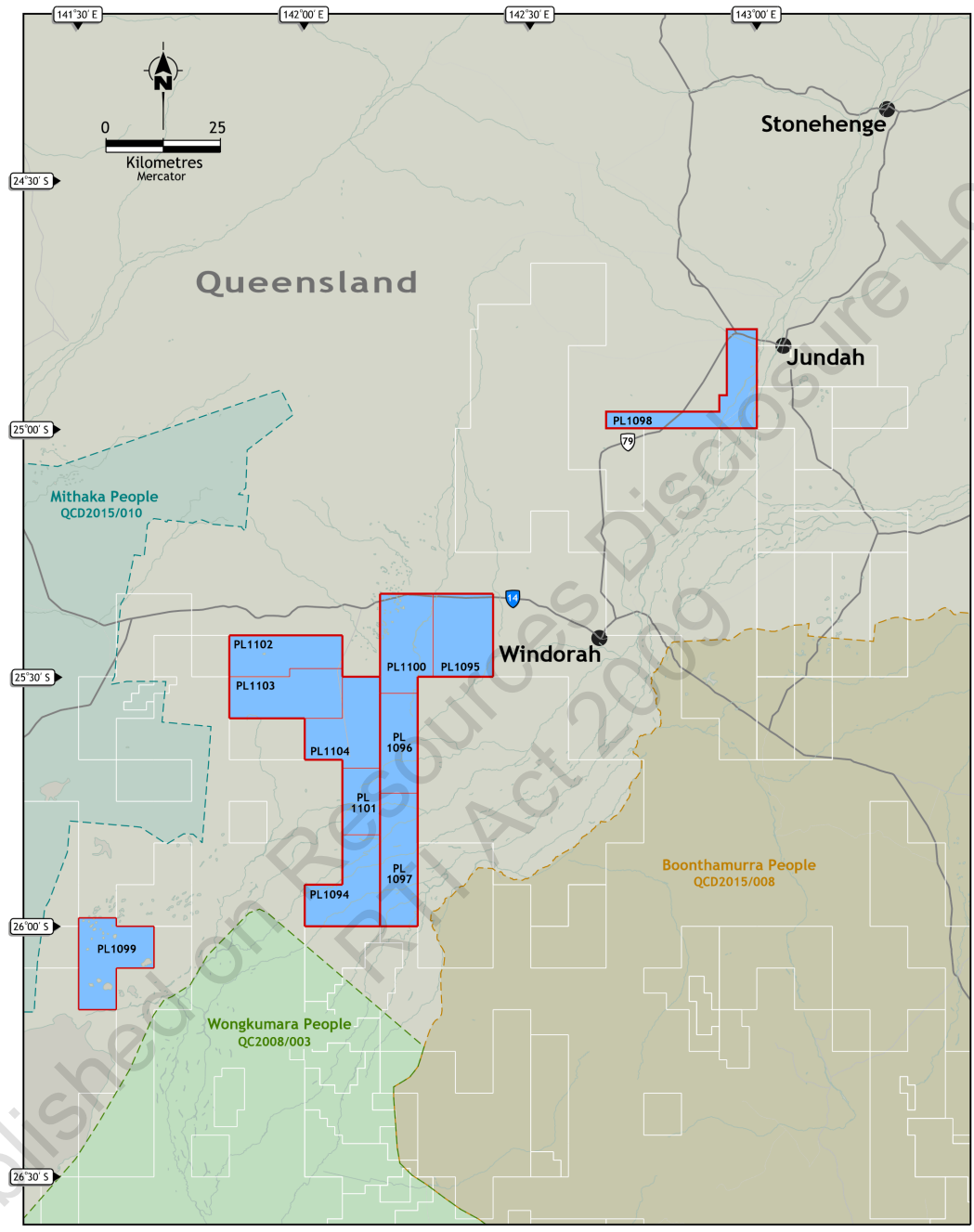


Figure 2: Location of the eleven Cooper-Eromanga Basin Petroleum Leases



Location Map

2. Proposed Later Development Plan

Condition 8 of the PL - authorised activity is limited to exploration only until 31 December 2026. The following proposed Later Development Plan (LDP) is compliant with this condition.

2.1. Overview of activities proposed to be carried out under the lease

(s.53A(1)(a) Petroleum Act 1923)

This PL has a total of 82 sub-blocks, covering an area of approximately 254 km² (Table 2).

Table 2: Sub-blocks that make up the PL area

BIM	Block(s)	Sub-Block(s)	No. of Sub-blocks
COOP	1272	y and z	2
COOP	1273	v, w, x, y and z	5
COOP	1343	ALL	25
COOP	1344	ALL	25
COOP	1345	ALL	25
Total			82

During the period of exploration only, activities will be focused on reducing subsurface uncertainty and refining knowledge to help inform on the nature and extent of the proposed development and production of the petroleum reserves from the PL. The exact location of activities may change during the term of the LDP including relocating activities to another of the eleven Petroleum Leases (see Figure 2). Factors that will be considered when determining the final location of activities include, but are not limited to the following:

- GG&E analysis results and interpretations
- Land access approvals
- Environmental approvals
- Outcomes of environmental scouting (i.e., ecology survey)
- Native Title Agreement implementation
- Cultural Heritage
- Traditional Owner engagement
- Surface conditions for construction (i.e., lease, access)

The period of the proposed LDP is for 5 years. During this 5-year plan term only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. As such, the activities in this LDP for the PL comply with this condition.

Table 3 summarises the activities to be undertaken over the 10-year PL term.

Table 3: Key milestones for the PL

Year	Key Milestones
1	- Planning, design and approvals - Seismic Reprocessing - GG&E
2	- Planning, design and approvals - GG&E
3	- Planning, design and approvals - GG&E
4	- Planning, design and approvals - GG&E
5	- Planning, design and approvals - GG&E
6-10	- Planning, design and approvals - GG&E - Commencement & Continuation of Production Activities

2.1.1. Nature and extent of activities proposed to be carried out

(s.53A(1)(b) Petroleum Act 1923)

Table 4 summarise activities to be undertaken over the 5-year prior of this LDP.

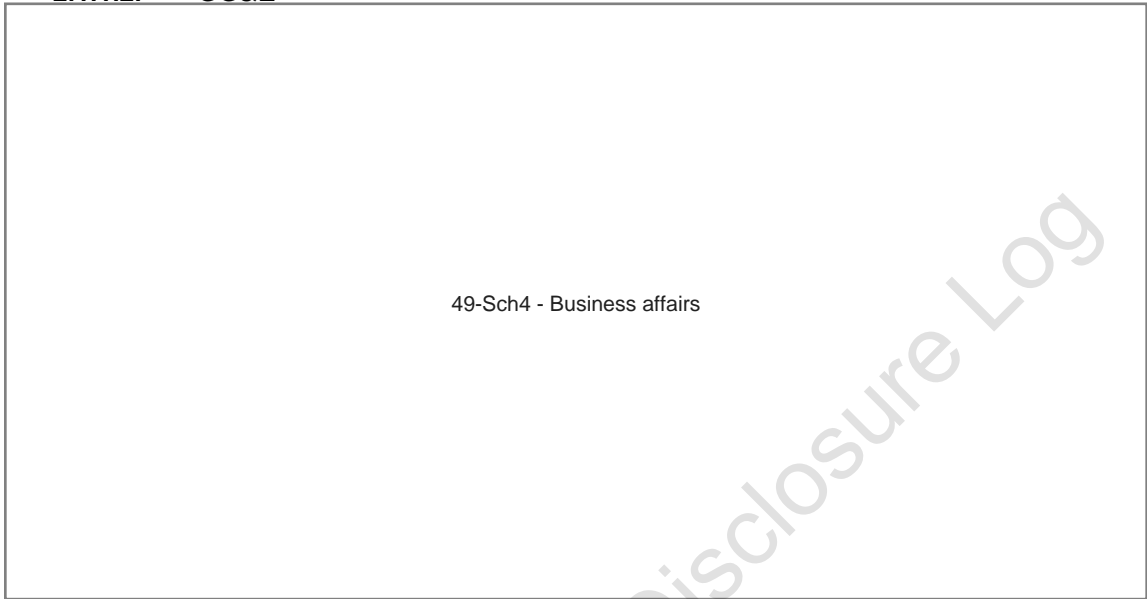
2.1.1.1. Plan Details

The exploration activities by year and estimated cost for the PL are shown in Table 4.

Table 4: Activities and estimated costs for each year of the 5-year development plan

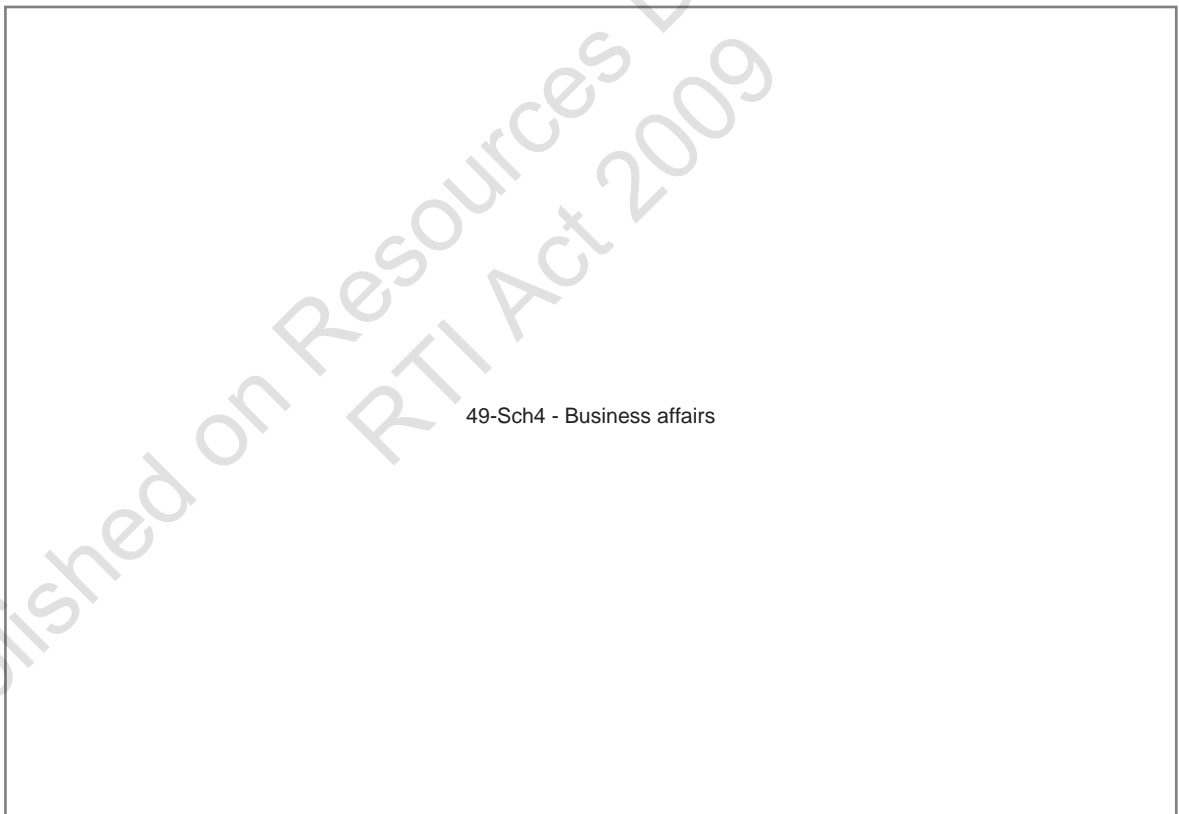
<p>49-Sch4 - Business affairs</p>

2.1.1.2. GG&E



49-Sch4 - Business affairs

2.1.1.3. Seismic



49-Sch4 - Business affairs

2.1.1.4. Wells



49-Sch4 - Business affairs

2.1.1.5. Approvals

Completion of the activities in the proposed LDP are subject to the required approvals being obtained. If the necessary external (to Origin) approvals are not received, then the activities in the proposed LDP may need to be amended and/or delayed into future years or future LDPs.

Land Access

Once activity locations have been identified, Origin will consult with all affected landholders. Origin will follow its Gain Access Core Process (GACP) that supports compliance with all local, state and federal legislation and manages access. The GACP allows Origin to identify land access requirements early and engage landholders well ahead of time as to what activities Origin plans to carry out and the potential impacts for each landholder. This enables Origin to begin discussions, early engagement and timely negotiations so that Origin fully understands each Landholders individual requirements for successful coexistence and operations on their land, and for better long-term sustainable relationships.

Origin will maintain ongoing consultation with all affected landholders from inception through to final site rehabilitation. Origin provides adequate prior notice of all activities to be undertaken as part of its operations, including but not limited to, site inspections, seismic acquisition, well locations, drilling activities, civil construction works and the progress of activities.

In strict accordance with legislative requirements, an entry notice is issued and a compensation agreement negotiated and signed prior to entry onto private and public land.

Native Title

An existing Section 31 agreement is in place for the PL.

A Conjunctive Ancillary Agreement is also in place for the PL which includes a Cultural Heritage Management Plan, Origin shall comply with the terms and conditions of the Ancillary Agreement, including the Cultural Heritage Management (CHMP) as required.

None of the PL is subject to a native title claim or determination. Once activity locations have been identified, Origin will determine whether the activity is within the area covered by either Ancillary Agreement with the Mithaka Aboriginal Corporation (Mithaka). If that is the case, the Cultural Heritage Management Plan in the Ancillary Agreement will be applied, as well as the other relevant terms of the Ancillary Agreement to guide Origin's cultural heritage protection and other exploration activity related engagement with the Mithaka.

If the activity location is outside the area covered by either Ancillary Agreement with the Mithaka, Origin will rely on consultation with Mithaka, Boonthamurra (both with nearby determined native title determinations) and searching the Aboriginal and Torres Strait Islander Cultural Heritage Database and Register to determine which Aboriginal groups to consult with regarding cultural heritage protection and exploration activity. This may require the negotiation of a new Cultural Heritage Management Agreement with the relevant group.

Origin will apply the applicable Cultural Heritage Management Agreement to inform the relevant Aboriginal party about proposed exploration activity and work with them to ensure the area is subject to a cultural heritage survey by Traditional Owners prior to undertaking any ground disturbing work.

Environmental

Origin seeks to operate responsibly and minimise impacts to the environment in which it operates.

Origin has a Health, Safety and Environmental Management System which describes how HSE aspects must be managed. This framework will be implemented during planning and operational periods.

An application for an Environmental Authority (EA) will be made to the Department of Environment and Science (DES). No works can occur on site until the Environmental Authority is granted.

Once the activity locations have been identified, Origin's internal processes will be applied to ensure compliance with Environmental Authority and legislative requirements. This includes conducting an Environmental Constraints Assessment/s and ecology scouting (if required) on the proposed locations to ensure harm to environmental values is minimised, EA compliance is maintained and any additional approvals (e.g. Regional Interests Development Approval) are identified.

2.1.2. Where the activities are proposed to be carried out

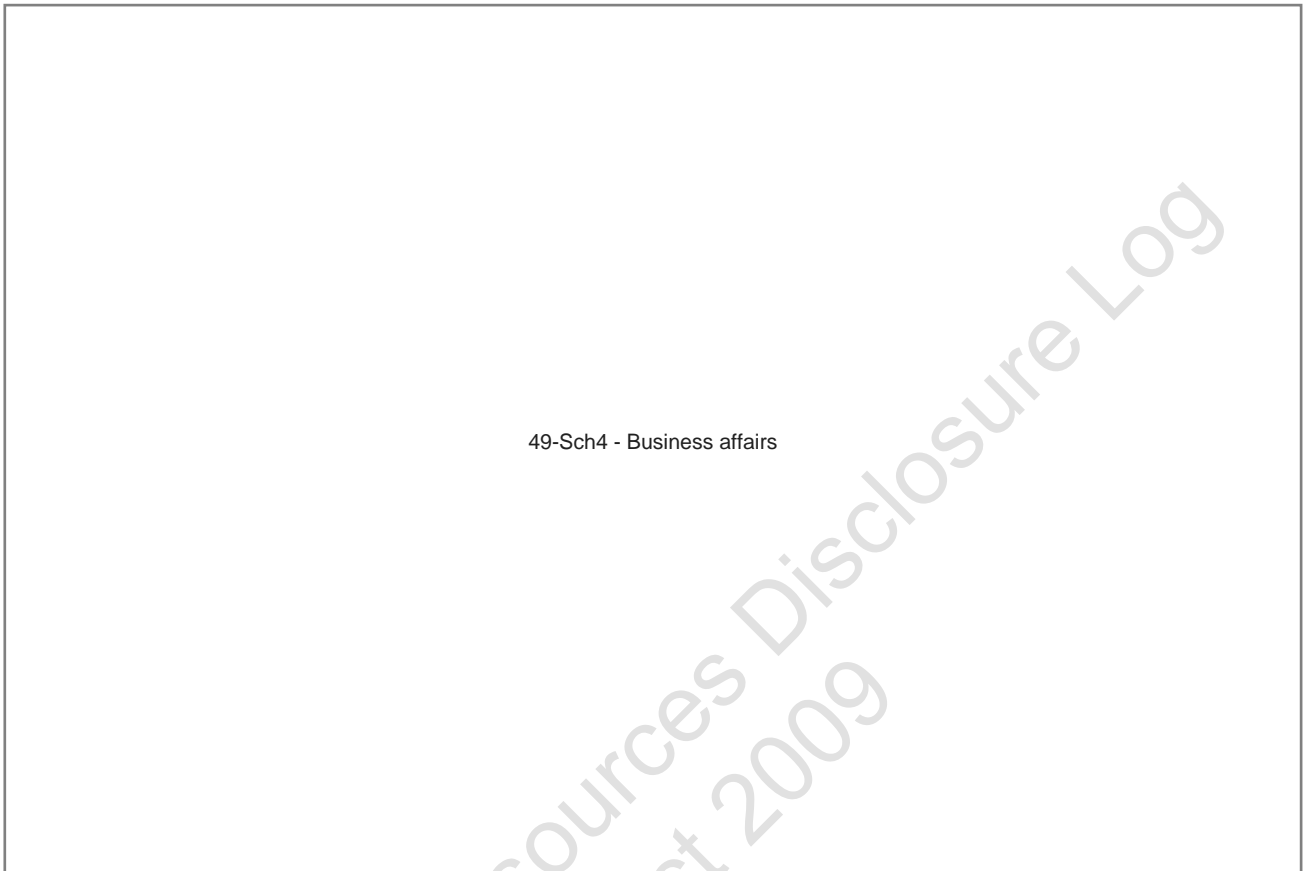
The Proposed Work Area of the PL is shown in Figure 3. Location of the Proposed Work Areas during the 5-year development plan term across the eleven PL's is shown in Figure 4.

As noted in section 2.1, there are several factors and constraints that need to be considered when determining final locations; therefore, the exact location of the proposed activities may change during the 5-year development plan term, including relocation to another of the 11 PLs.

Assessments and approvals to determine the final locations will take place across several years. Assessments will also take place to determine the location of activities and infrastructure in the second 5-year development plan term (year 6-10).

There are no planned activities to be undertaken on the PL during this 5-year development. Activities are expected to be limited to planning, design & approvals, GG&E and seismic reprocessing, refer to Figure 3.

Figure 3: Nature and extent of activities proposed to be carried out in the PL



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Figure 4: Nature, location and extent of the proposed 5-year plan



2.2. Underground reservoir in the area of the lease

(s.53A(1)(c) Petroleum Act)

2.2.1. The location and a verifiable estimate of the amount of petroleum in the reservoir



49-Sch4 - Business affairs

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RTI Act 2009

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RTI Act 2009

49-Sch4 - Business affairs

2.2.3. The rate and amount of production proposed from the reservoir

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL.

The Production Commencement Date for the PL is 31 December 2027.

2.2.4. Approximately when the proposed production is to start

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL.

The Production Commencement Date for the PL is 31 December 2027.

2.2.5. A schedule for the proposed production during the plan period

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL.

The Production Commencement Date for the PL is 31 December 2027.

2.3. Reasons that the plan is considered appropriate

(s.53A(1)(f) Petroleum Act 1923)

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. As such this proposed development plan is considered appropriate for the carry out of Exploration Activities only.

3. Overlapping Tenures

For the area of the PL, there are no coal or oil shale mining tenements, Greenhouse Gas authorities or geothermal tenures.

4. Petroleum production will be optimised in the best interests of the State having regard to the public interest

(s. 53A(1)(e) Petroleum Act 1923)

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. During the term of this Development Plan for the PL petroleum production activities cannot occur.

The Holders believe that the proposed activities under the Later Development Plan have been designed using all available data and expert knowledge to optimise the proposed activities in a safe and efficient way.

The Holders are committed to respecting the rights and interests of stakeholders and communities in the area in which they operate. The final locations of the activities will be chosen primarily to optimise knowledge and limit landholder and environmental disturbance.

5. Endorsement

Endorsement of the following for PL 1103:

1. Later Development Plan for the period 27 October 2021 to 26 October 2026

<p>SIGNED for and on behalf of Origin Energy C6 Pty Ltd ABN 68 136 602 947 by its duly authorised representative:</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;">49-Sch4 - Personal Information</div>	<p>SIGNED for and on behalf of Blue Energy (QLD) Pty Ltd ABN 90 111 757 905 by its duly authorised representative:</p>
<p>Signature of authorised representative</p> <p>Full Name: 73(2)Irrelevant</p>	<p>Signature of authorised representative</p> <p>Full Name: 73(2)Irrelevant</p>
<p>Title: General Manager, Upstream Growth</p>	<p>Title: Managing Director/Chief Executive Officer</p>
<p>Date: 22 April 2022</p>	<p>Date: 22 April 2022</p>

5. Endorsement

Endorsement of the following for PL 1103:

1. Later Development Plan for the period 27 October 2021 to 26 October 2026

SIGNED for and on behalf of Origin Energy C6 Pty Ltd ABN 68 136 602 947 by its duly authorised representative:	SIGNED for and on behalf of Blue Energy (QLD) Pty Ltd ABN 90 111 757 905 by its duly authorised representative:
49-Sch4 - Personal Information	49-Sch4 - Personal Information
Signature of authorised representative	Signature of authorised representative
Full Name: 73(2)Irrelevant	Full Name 73(2)Irrelevant
Title: General Manager, Upstream Growth	Title: Managing Director/Chief Executive Officer
Date: 22 April 2022	Date: 22 April 2022



Petroleum Lease 1104 Tanbar North C

Later Development Plan

Plan Period: 27 October 2021 – 26 October 2026
Holders: Origin Energy C6 Pty Limited 99% (Principal Holder & Operator)
Blue Energy (QLD) Pty Limited 1%
Legislation: *Petroleum Act 1923 (Qld)*

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2.1.1.2. GG&E	9
2.1.1.3. Seismic	9
2.1.1.4. Wells	9
2.1.1.5. Approvals	10
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2.2.2. The standards and procedures used to make the estimate	15
2.2.3. The rate and amount of production proposed from the reservoir	16
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Legislative Requirement		Section
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Section 53A(1)(b)	Section 53A(1)(b)(i) - the nature and extent of activities proposed to be carried out under the PL during the year;	2
	Section 53A(1)(b)(ii) - where the activities are proposed to be carried out;	2.1.2
	Section 53A(1)(b)(iii) - the estimated cost of the activities.	2
Section 53A(1)(c)	Section 53A(1)(c)(i) - the location and a verifiable estimate of the amount of petroleum remaining in the reservoir;	2.2.1
	Section 53A(1)(c)(ii) - the standards and procedures used to make the estimate;	2.2.2
	Section 53A(1)(c)(iii) - the rate and amount of production proposed from the reservoir; and Section 53A(1)(c)(v) – a schedule for the proposed production during the plan period;	2.2.3
	Section 53A(1)(c)(iv) - approximately when the proposed production is to start, [if it has not already started];	2.2.4
Section 53A(1)(e)	any other information relevant to the 'development plan criteria' mentioned in section 141 of the Petroleum and Gas (Production and Safety Act 2004 (and section 78 of the 1923 Act, if part 6F (overlapping provisions) of the 1923 Act applies to the PL). This includes whether petroleum production under the PL will be optimised in the best interests of the State, having regard to the public interest.	4
Section 53A(1)(f)	reasons why the plan is considered appropriate.	2.3

Pursuant to the Petroleum Act 1923, Origin Energy C6 Pty Limited (Origin) as Operator of Petroleum Lease 1099 (PL), hereby lodges this Proposed Later Development Plan (LDP) for the period 27 October 2021 to 26 October 2026.

1. Tenure background

The PL was granted to Origin (99%) and Blue Energy (QLD) Pty Ltd (1%) (Blue), the Permit Holders, on 27 October 2021 for a term of ten years (refer to Table 1).

Table 1: Permit Holders and interests relevant to the PL

Permit Holders	Interest
Blue Energy (Qld) Pty Ltd	1%
Origin Energy C6 Pty Limited (Operator)	99%*
Total	100%

* Authorised holder

A condition of the PL is from the date of grant, 27 October 2021 to 31 December 2026, the authorised activities are limited to exploration activities.

The PL covers an area of 80 sub-blocks in the Cooper-Eromanga Basin, southwest Queensland (Figure 1).

The PL is one of eleven PLs in the Cooper-Eromanga Basin held by the Permit Holders (Figure 2). These eleven PLs overly the Toolebuc Formation, a prospective, continuous unconventional shale play and the target of the exploration activities.

Figure 1: PL sub-blocks applicable to this Later Development Plan.

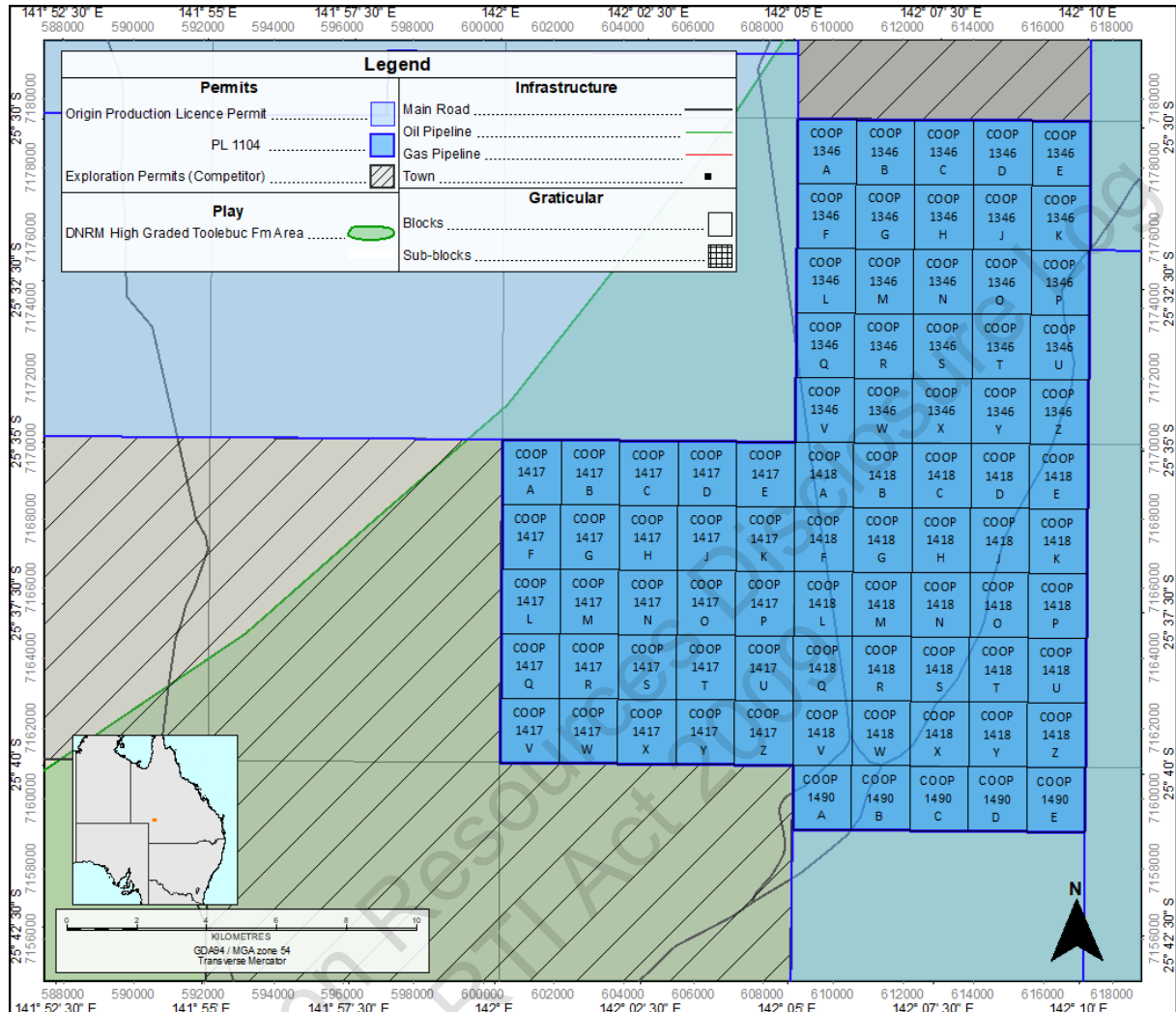
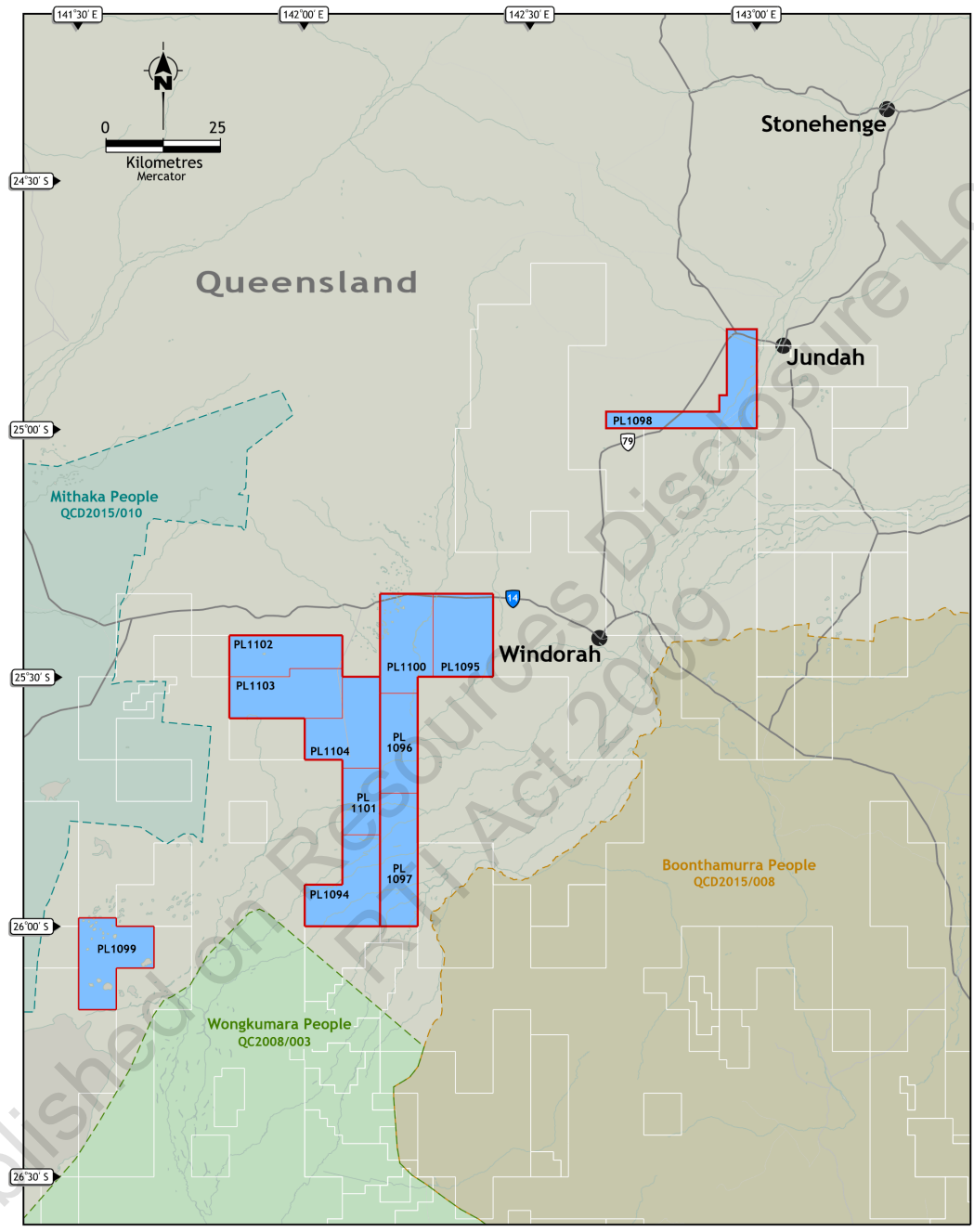


Figure 2: Location of the eleven Cooper-Eromanga Basin Petroleum Leases



Legend

Origin permit	Watercourse
Other permit	Native Title boundary
Town	
Road network	

Eromanga Basin
 Western Queensland

Location Map

2. Proposed Later Development Plan

Condition 8 of the PL - authorised activity is limited to exploration only until 31 December 2026. The following proposed Later Development Plan (LDP) is compliant with this condition.

2.1. Overview of activities proposed to be carried out under the lease

(s.53A(1)(a) Petroleum Act 1923)

This PL has a total of 80 sub-blocks, covering an area of approximately 248 km² (Table 2).

Table 2: Sub-blocks that make up the PL area

BIM	Block(s)	Sub-Block(s)	No. of Sub-blocks
COOP	1346	ALL	25
COOP	1417	ALL	25
COOP	1418	ALL	25
COOP	1490	a, b, c, d and e	5
Total			80

During the period of exploration only, activities will be focused on reducing subsurface uncertainty and refining knowledge to help inform on the nature and extent of the proposed development and production of the petroleum reserves from the PL. The exact location of activities may change during the term of the LDP including relocating activities to another of the eleven Petroleum Leases (see Figure 2). Factors that will be considered when determining the final location of activities include, but are not limited to the following:

- GG&E analysis results and interpretations
- Land access approvals
- Environmental approvals
- Outcomes of environmental scouting (i.e., ecology survey)
- Native Title Agreement implementation
- Cultural Heritage
- Traditional Owner engagement
- Surface conditions for construction (i.e., lease, access)

The period of the proposed LDP is for 5 years. During this 5-year plan term only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. As such, the activities in this LDP for the PL comply with this condition.

Table 3 summarises the activities to be undertaken over the 10-year PL term.

Table 3: Key milestones for the PL

Year	Key Milestones
1	- Planning, design and approvals - Seismic Reprocessing - GG&E
2	- Planning, design and approvals - GG&E
3	- Planning, design and approvals - GG&E
4	- Planning, design and approvals - GG&E
5	- Planning, design and approvals - GG&E
6-10	- Planning, design and approvals - GG&E - Commencement & Continuation of Production Activities

2.1.1. Nature and extent of activities proposed to be carried out during the year

(s.53A(1)(b) Petroleum Act 1923)

Table 4 summarise activities to be undertaken over the 5-year prior of this LDP.

2.1.1.1. Plan Details

The exploration activities by year and estimated cost for the PL are shown in Table 4.

Table 4: Activities and estimated costs for each year of the 5-year development plan

49-Sch4 - Business affairs

2.1.1.2. GG&E

49-Sch4 - Business affairs

2.1.1.3. Seismic

49-Sch4 - Personal Information

2.1.1.4. Wells

49-Sch4 - Business affairs

2.1.1.5. Approvals

Completion of the activities in the proposed LDP are subject to the required approvals being obtained. If the necessary external (to Origin) approvals are not received, then the activities in the proposed LDP may need to be amended and/or delayed into future years or future LDPs.

Land Access

Once activity locations have been identified, Origin will consult with all affected landholders. Origin will follow its Gain Access Core Process (GACP) that supports compliance with all local, state and federal legislation and manages access. The GACP allows Origin to identify land access requirements early and engage landholders well ahead of time as to what activities Origin plans to carry out and the potential impacts for each landholder. This enables Origin to begin discussions, early engagement and timely negotiations so that Origin fully understands each Landholders individual requirements for successful coexistence and operations on their land, and for better long-term sustainable relationships.

Origin will maintain ongoing consultation with all affected landholders from inception through to final site rehabilitation. Origin provides adequate prior notice of all activities to be undertaken as part of its operations, including but not limited to, site inspections, seismic acquisition, well locations, drilling activities, civil construction works and the progress of activities.

In strict accordance with legislative requirements, an entry notice is issue and a compensation agreement negotiated and signed prior to entry onto private and public land.

Native Title

An existing Section 31 agreement is in place for the PL.

A Conjunctive Ancillary Agreement is also in place for the PL which includes a Cultural Heritage Management Plan, Origin shall comply with the terms and conditions of the Ancillary Agreement, including the Cultural Heritage Management (CHMP) as required.

None of the PL is subject to a native title claim or determination. Once activity locations have been identified, Origin will determine whether the activity is within the area covered by either Ancillary Agreement with the Mithaka Aboriginal Corporation (Mithaka). If that is the case, the Cultural Heritage Management Plan in the Ancillary Agreement will be applied, as well as the other relevant terms of the Ancillary Agreement to guide Origin's cultural heritage protection and other exploration activity related engagement with the Mithaka.

If the activity location is outside the area covered by either Ancillary Agreement with the Mithaka, Origin will rely on consultation with Mithaka, Boonthamurra (both with nearby determined native title determinations) and searching the Aboriginal and Torres Strait Islander Cultural Heritage Database and Register to determine which Aboriginal groups to consult with regarding cultural heritage protection and exploration activity. This may require the negotiation of a new Cultural Heritage Management Agreement with the relevant group.

Origin will apply the applicable Cultural Heritage Management Agreement to inform the relevant Aboriginal party about proposed exploration activity and work with them to ensure the area is subject to a cultural heritage survey by Traditional Owners prior to undertaking any ground disturbing work.

Environmental

Origin seeks to operate responsibly and minimise impacts to the environment in which it operates.

Origin has a Health, Safety and Environmental Management System which describes how HSE aspects must be managed. This framework will be implemented during planning and operational periods.

An application for an Environmental Authority (EA) will be made to the Department of Environment and Science (DES). No works can occur on site until the Environmental Authority is granted.

Once the activity locations have been identified, Origin's internal processes will be applied to ensure compliance with Environmental Authority and legislative requirements. This includes conducting an Environmental Constraints Assessment/s and ecology scouting (if required) on the proposed locations to ensure harm to environmental values is minimised, EA compliance is maintained and any additional approvals (e.g., Regional Interests Development Approval) are identified.

2.1.2. Where the activities are proposed to be carried out

The Proposed Work Area of the PL is shown in Figure 3. Location of the Proposed Work Areas during the 5-year development plan term across the eleven PL's is shown in Figure 4.

As noted in section 2.1, there are several factors and constraints that need to be considered when determining final locations; therefore, the exact location of the proposed activities may change during the 5-year development plan term, including relocation to another of the 11 PLs.

Assessments and approvals to determine the final locations will take place across several years. Assessments will also take place to determine the location of activities and infrastructure in the second 5-year development plan term (year 6-10).

There are no planned activities to be undertaken on the PL during this 5-year development. Activities are expected to be limited to planning, design & approvals, GG&E and seismic reprocessing, refer to Figure 3.

Figure 3. Nature and extent of activities proposed to be carried out in the PL



Figure 4. Nature, location and extent of the proposed 5-year plan



2.2. Underground reservoir in the area of the lease

(s.53A(1)(c) Petroleum Act)

2.2.1. The location and a verifiable estimate of the amount of petroleum in the reservoir



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2.2.3. The rate and amount of production proposed from the reservoir

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL.

The Production Commencement Date for the PL is 31 December 2027.

2.2.4. Approximately when the proposed production is to start

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL.

The Production Commencement Date for the PL is 31 December 2027.

2.2.5. A schedule for the proposed production during the plan period

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL.

The Production Commencement Date for the PL is 31 December 2027.

2.3. Reasons that the plan is considered appropriate

(s.53A(1)(f) Petroleum Act 1923)

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. As such this proposed development plan is considered appropriate for the carry out of Exploration Activities only.

3. Overlapping Tenures

For the area of the PL, there are no coal or oil shale mining tenements, Greenhouse Gas authorities or geothermal tenures.

4. Petroleum production will be optimised in the best interests of the State having regard to the public interest

(s. 53A(1)(e) Petroleum Act 1923)

Until 31 December 2026 only Exploration Activities can be carried out on the PL as stated in the endorsed lease document for the PL. During the term of this Development Plan for the PL petroleum production activities cannot occur.

The Holders believe that the proposed activities under the Later Development Plan have been designed using all available data and expert knowledge to optimise the proposed activities in a safe and efficient way.

The Holders are committed to respecting the rights and interests of stakeholders and communities in the area in which they operate. The final locations of the activities will be chosen primarily to optimise knowledge and limit landholder and environmental disturbance.

5. Endorsement

Endorsement of the following for PL 1104:

1. Later Development Plan for the period 27 October 2021 to 26 October 2026

<p>SIGNED for and on behalf of Origin Energy C6 Pty Ltd ABN 68 136 602 947 by its duly authorised representative:</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">49-Sch4 - Personal Information</div>	<p>SIGNED for and on behalf of Blue Energy (QLD) Pty Ltd ABN 90 111 757 905 by its duly authorised representative:</p>
<p>Signature of authorised representative</p> <p>Full Name: 73(2)Irrelevant</p>	<p>Signature of authorised representative</p> <p>Full Name 73(2)Irrelevant</p>
<p>Title: General Manager, Upstream Growth</p>	<p>Title: Managing Director/Chief Executive Officer</p>
<p>Date: 22 April 2022</p>	<p>Date: 22 April 2022</p>

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49-Sch4 - Personal Information	49-Sch4 - Personal Information
Signature of authorised representative	Signature of authorised representative
Full Name: 73(2)Irrelevant	Full Name: 73(2)Irrelevant
Title: General Manager, Upstream Growth	Title: Managing Director/Chief Executive Officer
Date: 22 April 2022	Date: 22 April 2022