



## Permit Application (ID 10000871 )

### PERMIT DETAILS

**Permit Name:** Juno **Term of Permit:** 5 Years  
**Resource Type:** Mineral or Coal  
**Permit Type:** Exploration Permit for Minerals other than coal  
**General Locality of the Application:** 74 kilometres West of Jackson

### PERMIT HOLDER DETAILS

#### Holders for this Application

Holder	Percent Holding	Authorised
QLD SHALE GAS PTY LTD	100.000000000000	Yes

**Tenancy:** Sole Holder

#### Holder address details

QLD SHALE GAS PTY LTD

<b>Holder:</b> QLD SHALE GAS PTY LTD	<b>Address:</b> PO Box 1817
<b>ACN:</b> 164794227	<b>Town/City:</b> Aitkenvale
<b>E-mail Address:</b> eric@qld-oilshale-group.com.au	<b>State:</b> QLD
<b>Business Number:</b> sch 4 - mobile phone	<b>Postcode:</b> 4814
<b>Mobile Number:</b>	<b>Country:</b> Australia

#### Authorised Holder Representative (AHR) Details

<b>Name:</b> Eric Lollo	<b>Address:</b> PO Box 1817
<b>E-mail Address:</b> eric@qld-oilshale-group.com.au	<b>Town/City:</b> Aitkenvale
<b>Phone Number:</b> sch 4 - mobile phone	<b>State:</b> QLD
<b>Fax Number:</b>	<b>Postcode:</b> 4814
	<b>Country:</b> Australia

#### Supporting Document(s)

Letter of authority - AHR

**PERMIT AREA**

**Mining district(s):** Quilpie

**Local government area(s):** Bulloo Shire Council

**Total Number of Sub-Blocks:** 100

**Sub-Blocks:**

BIM	Block	Sub-Blocks
Cooper Creek	3211	A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z
Cooper Creek	3212	A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z
Cooper Creek	3213	A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z
Cooper Creek	3214	A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z

**LAND AVAILABILITY REPORT**

**Overlapping Permits**

Number	Type	Holder	Status	Implication (for EPM/EPC only)
PL 131	Petroleum Lease	SANTOS LIMITED	Granted	Overlapping application is generally allowed, but if granted, can not undertake activities without the written consent of the underlying permit holder. Consent must be lodged with the Chief Executive of the particular resource Act or in another prescribed way.
PPL 64	Pipeline Licence	SANTOS LIMITED	Granted	Overlapping application is generally allowed, but if granted, can not undertake activities without the written consent of the underlying permit holder. Consent must be lodged with the Chief Executive of the particular resource Act or in another prescribed way.
EPM25566	Exploration Permit Minerals other than Coal	QLD COOPER SHALE PTY LTD	Application	Overlapping area is generally considered unavailable for application unless there is a specific exception provided for under legislation. Generally, the overlapping area will be excluded from the application area, prior to the application being accepted.
EPM25554	Exploration Permit Minerals other than Coal	QLD SHALE GAS PTY LTD	Application	Overlapping area is generally considered unavailable for application unless there is a specific exception provided for under legislation. Generally, the overlapping area will be excluded from the application area, prior to the application being accepted.

**Unavailable Land**

**Constrained Land**

Constraint	Explanation	Details of constraint
Wild Rivers-High Preservation Area	The area within and up to one kilometre each side of the wild river, its major tributaries and special off-stream features, such as floodplain wetlands.	Constrained under the Wild Rivers Act 2005. For more information contact the Environmental Regulator.
Wild Rivers-Special Floodplain Management Area	Special Floodplain Management Area is limited to an area declared for part of the Lake Eyre Basin. Limited activities, restricted to surface areas may be authorised in these areas.	Activity will be limited to those involving minimal surface disturbance in a special floodplain management area. Please review the declaration for each Wild Rivers area for further detail.

**Conditional Surrender:** No

**NATIVE TITLE****Native Title Process:** Expedited

Overpayment refund method: overpayment refunded by cheque

I confirm that we will not be undertaking activities that cause major ground disturbance: Yes

I confirm that we will comply with the Native Title Protection Conditions: Yes

Approval of the advertisement: Yes

**Native Title Advertisement**

Fee description	Fee Amount (\$)
Native title multiple advertisement	\$1,000.00

**OBLIGATIONS****As the authorised holder representative, I understand and agree to the obligations associated with the permit:**

Yes

**PAYMENT DETAILS**

Fee Type	Details	Amount (\$)
ADVREVB	Native title multiple advertisement	\$1,000.00
APPEPM	Exploration Permit for Minerals other than Coal	\$826.00
<b>Total Fee:</b>		<b>\$1,826.00</b>

**OFFICE USE ONLY**

Received AT: \_\_\_\_\_

Received BY: \_\_\_\_\_

DATE: \_\_\_\_\_

TIME: \_\_\_\_\_

FEE Paid: \_\_\_\_\_

RECEIPT no: \_\_\_\_\_

**Disclaimer**

The Queensland Government is collecting information provided on and with this form to assess the suitability of the application for exploration permit under the Mineral Resources Act 1989 (the Act). This information is authorised by sections 133, 387 of the Act. Some or all of this information may be provided to other agencies of the Queensland Government for issuing an environmental authority, to make register searches, extracts or copies under section 387B of the Act or to make other approvals as required under the Act. Your personal information will not otherwise be disclosed to any other third party without your consent, unless authorised or required by law.

# Attachment

## WORK PROGRAM

### Proposed Work Program Schedule

Year	Discipline	Activity	Unit (Cost)	Unit (Description)	Expenditure
Year 1	Desktop Studies	Interpretation Studies	1.00 Days	1 Days	\$100,000.00
Year 1	Desktop Studies	Other Studies	1.00 Days	1 Days	\$30,000.00
Year 1	Desktop Studies	Seismic Data Reprocessing	1.00 Days	1 Days	\$100,000.00
Year 2	Drilling	Large Diameter	3000.00 Metres	1 Holes	\$6,600,000.00
Year 3	Desktop Studies	Interpretation Studies	1.00 Days	1 Days	\$50,000.00
Year 4	Desktop Studies	Other Studies	1.00 Days	1 Days	\$1.00
Year 5	Desktop Studies	Other Studies	1.00 Days	1 Days	\$1.00

Year	Expenditure Summary	Per Sub-Block	Over Area (Sub-Blocks)
1	\$230,000.00	\$2,300.00	100
2	\$6,600,000.00	\$66,000.00	100
3	\$50,000.00	\$500.00	100
4	\$1.00	\$0.02	60
5	\$1.00	\$0.02	60

This screen provides a detailed list of the overlapping permits, restricted areas and other constrained areas that may impact the proposed permit application.

Total Field Expenditure:	\$6,600,000.00
Total Desktop Expenditure:	\$280,002.00
<b>Total Expenditure:</b>	<b>\$6,880,002.00</b>

### Rationale

#### Minimum Work Program Overview

as attached

#### Minimum Work Program Year 1 Rationale

as attached

#### Minimum Work Program Year 2 Rationale

as attached

### Research

#### Privately Sourced or Developed Research Analysis

Private Research

### Supporting Document(s)

Work Plan Rationale



## FINANCIAL AND TECHNICAL CAPABILITY

### Financial Capability

#### Supporting Document(s)

Financial Capability Statement  
Financial Commitment

### Human and Resource Capability

#### Supporting Document(s)

Other Exploration Activity Statement (Technical)  
Technical Capability Statement

RTI DL RELEASE - DNRM

# Environmental Authority

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*Environmental Protection Act 1994*

## ENVIRONMENTAL AUTHORITY

**This environmental authority application is:**

The area is covered by an environmental authority application submitted TODAY for another permit application

Previous application number: 10000815

## STRATEGIC CROPPING LAND

Are you proposing to undertake any resource activity (including entry) on land that is designated as existing or potential SCL?:

No

RTI DL RELEASE - DNRM



11/04/2014

Other Eric James Lollo  
PO Box 1817  
Aitkenvale QLD 4814

### **Application for exploration permit EPM 25603**

I refer to your application for an exploration permit, lodged on at Charters Towers office.

The application has been accepted in the names of the holders you provided.

### **What happens now**

We will now undertake an assessment of your application and you will be notified of the outcome. The assessment will involve a preliminary assessment; a technical assessment of the work program and financial and resource capacity; an assessment of the geology of the area and a review of the compliance history of the nominated holders (if relevant).

If you have any questions about your application, please contact the Mines Online helpdesk on +61 7 3199 8133 or email [mines\\_online@dnrm.qld.gov.au](mailto:mines_online@dnrm.qld.gov.au) and they can direct your enquiry.

### **Have you registered for MyMinesOnline?**

You can now lodge and pay for an application online by registering with MyMinesOnline. We are continually rolling out new features and soon you will be able to change holder details, arrange transfers and more. To register, please visit the MyMinesOnline registration web site at <http://myminesonlineservices.business.qld.gov.au/userregistration/registeruser.aspx>

Yours sincerely,

Chief Executive's delegate  
Department of Natural Resources and Mines

## Report Summary:

### Holder details

<b>Authorised holder</b>	QLD SHALE GAS PTY LTD
<b>Other holders</b>	

### Permit details

<b>Minerals sought</b>	All Minerals Other Than Coal	<b>Term</b>	5 years
<b>Permit name</b>	Juno		
<b>Strategic cropping land</b>	Not Applicable		
<b>Environmental authority</b>	The area is covered by an environmental authority application submitted TODAY for another permit application		
<b>Native Title</b>	Expedited		

### Area Description

BIM	Block	Sub-blocks
Cooper Creek	3211	A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z
Cooper Creek	3212	A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z
Cooper Creek	3213	A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z
Cooper Creek	3214	A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z

**Unavailable land:** No

### Summary of permit area:

<b>Total number of whole sub-blocks applied for:</b>	100
<b>Total number of whole sub-blocks unavailable:</b>	0
<b>Total number of whole sub-Blocks available:</b>	100



Department of Natural Resources and Mines

Date: 11/04/2014

ABN: 59 020 847 551

Tax invoice

Received from: QLD SHALE GAS PTY LTD  
PO Box 1817  
Aitkenvale QLD 4814  
Australia

Details

Qty	Description	Amount \$	GST	Total \$
1	Exploration Permit for Minerals other than Coal	\$826.00	\$0.00	\$826.00
1	Native title multiple advertisement	\$909.09	\$90.91	\$1,000.00
<b>Amount received</b>				<b>\$1,826.00</b>

Receipt Details

MyMinesOnline Application#: 10000871

Receipt issued by: Department of Natural Resources and Mines

Receipt #: TO327512

RTI DL RELEASE - DNRM

10 March 2014

General Manger  
Mining & Petroleum & Mines  
Department of Natural Resources & Mines  
PO Box 15214  
BRISBANE QLD 4001

Dear Sir/Madam,

**Re: Qld Shale Gas Pty Ltd – Exploration Permit Application**

This firm acts as the accountant and advisor for Qld Shale Gas Pty Ltd (QSG) and also for a number of the major shareholders in QSG.

The QSG shareholders are successful North Queensland businessmen who have the financial capacity to support the initial exploration permit costs and the ability to raise additional funds, as and when required, to cover further costs associated with this project.

A number of the directors associated with the shareholders have also had extensive experience in raising capital from the Australian financial markets in relation to other projects that they have been associated with.

The QSG shareholders and directors are committed to delivering a successful project, one which will benefit the state of Queensland enormously.

Should you have any queries in relation to my comments concerning QSG's financial capacity, kindly do not hesitate to contact me.

Yours faithfully  
**Carey Accountants Pty Ltd**

per: sch 4 - signature

enc:

Ref: 267079\_1

*professional · progressive · practical*

Liability limited by a scheme approved under Professional Standards Legislation



**Carey**  
GROUP OF COMPANIES

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**Rational for Project Financing  
Exploration permit for all minerals other than coal**

**JUNO**

**PROJECT FINANCING**

In period 1 of QLD Shale Gas Pty Ltd (QSG) works program rationale, a consultant will be appointed to carry out a desk top other study and a preliminary report on the area of interest and the area which is the subject of the exploration permit application for oil shale. This preliminary report is to assess the estimated size and potential of an oil shale deposit that can be used for valuation and financing purposes. The estimated cost of this report is \$1.5m. Upon the granting of the exploration permit applications, the directors QSG will engage the suitably qualified consultant to prepare the report.

Further funding for the project will be obtained from a range of sources, including, but not limited to, existing QSG shareholders (substantial and successful business men in their own right), a private share placement with companies interested in participating in the project, international investors (including a group in China), the Australian public, through an Australian Securities and Investment Commission (ASIC) approved prospectus and joint venture arrangements with existing operators in this field.

As previously outlined, the QSG management team consists of persons well versed and experienced with raising capital in the Australian capital markets and dealing with international investors. The management team have a clear strategy for the capital raising required for this project and will action that strategy once the applications are granted.

QLD Shale Gas Pty Ltd is well resourced to fund all facets of the initial and early stages of this project, which includes the application process, identification of appropriate and suitably qualified consultants and advisors, discussions with Australian and international investors, preparation of business plans and cash flow projections, legal and court related matters, preparation of an ASIC prospectus for capital raising, and all other associated related matters..

Attached is a financial capability statement from Carey Accountants.

2<sup>nd</sup> April 2014

Department of Natural Resources and Mines  
Mining and Petroleum Operations  
PO Box 1752  
Townsville QLD 4810

Dear Sir/Madam

**Re: Proof of Identity for an application for an exploration permit for all minerals other than coal under the MRA  
Letter of Authority from Queensland Shale Gas Pty Ltd**

As directors of QLD Shale Gas Pty Ltd we authorise Eric James Lollo to represent and act on behalf of QLD Shale Gas Pty Ltd for the application of this exploration permit for all minerals other than coal.

Attached is a copy of a certified drivers licence and credit card for Eric James Lollo.

sch 4 - signature

.....  
Phillip Joseph Brennan  
Director  
QLD Shale Gas Pty Ltd

sch 4 - signature

.....  
John Mayford Sexton  
Director  
QLD Shale Gas Pty Ltd

RTI DL RELEASE - DIRRM



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## Human and Technical Resources

QLD Shale Gas Pty Ltd directors and shareholders are all very experienced and well respected businessmen based in North Queensland. The other shareholders include a high profile civil construction contractor developer, a well-qualified accountant experience in the establishment and management of major projects, producing Australian Securities and Investment Commission (ASIC) approved capital raising documents and company floats and the other is a well-respected North Queensland based lawyer.

The deep exploration for oil shale is new to Queensland. The experience, technology, intellectual property, specially designed drilling equipment (working range up to 300 degrees C) and personnel have to be sourced internationally (America) where over 40,000 holes have been drilled. As this industry develops in Australia consultants and contractors may be sourced locally. We are considering our long term position of owning and operating equipment which may lower costs but increase risk.

The shareholders have appointed a management team to manage the project in its initial phase. As the project develops the management team will appropriately expand to cope with the increase work load and company requirements. The managers will engage an experienced qualified oil shale consultancy firm to advice on the progression of the project, negotiations, agreements, contract preparation and award, contract management and dealings with the Department and Government at the appropriate time.

All consultants and contractors will be experienced, qualified, and use best practises with modern equipment suitable for the conditions to be encountered. We consider the project size will allow for the involvement of several competing consulting, contracting and supply companies which should lower costs and increase productivity. We intend to use Queensland and Australian content where possible.



You may make an application for an exploration permit electronically using the MyMinesOnline system. Alternatively you may complete the original of this application and submit the application, any attachments and the prescribed fee at a Mines lodgement office.

A tender application is to be lodged in accordance with the instructions contained in the relevant tender document.

The document submitted must first be accepted as an application for an exploration permit under the provisions of section 81 of the Mineral Resources Regulation 2003 before registration.

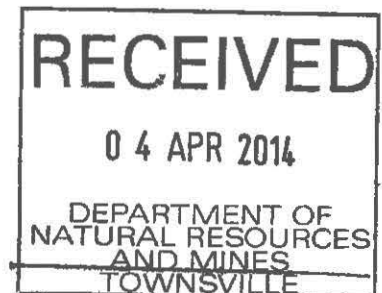
Note: A document containing information that is false or misleading may attract a maximum penalty of 200 penalty units.

Please read the Mineral and coal exploration guideline (the guideline) before completing this application. Please use a pen, and write neatly using BLOCK LETTERS Cross where applicable

Question 1 - Permit details

1.1 Permit application name (your reference only): Juno
1.2 Term of permit: 5 years
1.3 Non tender application: [X] All minerals other than coal, [ ] Coal (conditional surrender only)
1.4 Tender application: [ ] Coal, [ ] Mineral
1.5 General locality of the application: 74 kilometres West of Jackson

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OFFICE USE ONLY
Received at: Townsville
Received by: R. Yandabami
Date: 4/4/14
Time: 2:15 PM
Fees paid: Total \$ 1826
Payment Method: Cheque
Receipt Number:
Receiving officer: R. Yandabami
Signed: [Signature] Date: 9/4/14
New MyMinesOnline user (Q12) copy of application provided to STARS

**Question 2 – Permit holder details (if more than two holders provide a separate attachment)**

**2.1 Authorised holder (Principal holder)**

Company name / surname:	QLD Shale Gas Pty Ltd		
Given name (if individual):		ACN/ARBN:	ACN 164 794 227
Address:	Po Box 1817		
Town/City:	Aitkenvale	State:	QLD Postcode: 4814
Country:	Australia	Phone no.:	sch 4 - mobile phone
Email:	eric@qld-oilshale-group.com.au		
<input type="checkbox"/> Sole tenant	Percentage holding:	100	%

**2.2 Other holders (if applicable)**

Company name / surname:			
Given name (if individual):		ACN/ARBN:	
Address:			
Town/City:		State:	Postcode:
Country:		Phone no.:	
Email:			
<input type="checkbox"/> Tenants in common	<input type="checkbox"/> Joint tenants	Percentage holding:	%

**2.3 Authorised holder representative (authorised person to act as contact for this permit)**

Name:	Eric James Lollo		
Contact:	sch 4 - mobile phone		
Address:	PO Box 1817		
Town/City:	Aitkenvale	State:	QLD Postcode: 4814
Country:	Australia	Phone no.:	sch 4 - mobile phone

**Attachments required:**

- Proof of identity for each holder
- Letter of authority from holders for authorised holder representative to act on behalf of holders for this permit (not required for sole holder)

**OFFICE USE ONLY**

**Q2 – Permit holder details**

Check attachment	Yes	No
Details provided for holder	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Proof of identity	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Letter of authority for AHR	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(If NO for 1-3 above) Advise holder that documents must be attached before application can be lodged.		<input type="text" value="initial"/>

**Question 3 – Details of area (Q3 is not required for tender applications. Refer to the relevant tender document)**

List the required blocks and sub-blocks (attach additional pages if necessary).

BIM & block	ALL	a	b	c	d	e	f	g	h	j	k	l	m	n	o	p	q	r	s	t	u	v	w	x	y	z
COOP 3211	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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COOP 3213	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Total number of sub-blocks</b>																						<b>100</b>				

**Attachments required:**

- Map of proposed permit area



**Question 4 – Land availability** (Q4 is not required for tender applications. Refer to the relevant tender document)

4.1 Does the area have any sub-blocks that are non-contiguous (are not adjacent to at least one other sub-block)?

Yes  No

If yes, please supply a non-contiguous statement: detailing how the work program can be carried out using competent and efficient mineral exploration practices.

Attached

4.2 Does the area exceed 100 sub-blocks for EPM or 300 sub-blocks for EPC? (the maximum number defined in legislation)?

Yes  No

If yes, please supply an excess area statement: about why you require more than the maximum number of sub-blocks defined in the legislation.

Attached

4.3 Please confirm that you have undertaken a land availability search and that you recognise that areas overlapping with this application may be excluded from the permits area.

Yes  No

OFFICE USE ONLY		
<b>Q3 –Details of area</b>		
Check attachment	Yes	No
Map of application area	✓	
<b>Q4 –Land availability</b>		
Check attachment	Yes	No
is the application for 4 or fewer sub-blocks in an RA?		✓
Statement for non-contiguous application	N/A	
Statement for excess application area	N/A	
Rationale for conditional surrender	N/A	
Consent from all holders to surrender	N/A	
(If NO) Advise holder that documents must be attached before application can be lodged.		Initial

**Conditional surrender**

4.4 Are you seeking to surrender a granted exploration permit in favour of whole or part of this application?

Yes  
See below attachment requirements, then go to question 4.5

No  
Go to question 5

4.5 Please list exploration permit/s below. You will also need to attach a statement detailing the rationale

Permit number	Expiry date
	/ /
	/ /
	/ /

If yes to above, the following attachments are required:

Rationale for conditional surrender

Consent from all holders of exploration permit to conditionally surrender

**Question 5 – Environmental authority (Step 5 of the guideline)**

5.1 Please tick what type of environmental authority will be attached to this application (Q5.1 is not required for tender applications. Refer to the relevant tender document. Please go to Q5.2)

Standard application for an environmental authority	<input checked="" type="checkbox"/>
Variation application for an environmental authority	<input type="checkbox"/>
Site specific application for an environmental authority	<input type="checkbox"/>
Amendment to an environmental authority	<input type="checkbox"/>
The area is covered by an environmental authority application submitted today for another permit application. Previous application number:	<input type="checkbox"/>
This application complies with the small scale mining activity criteria as set out in Schedule 4 of the <i>Environmental Protection Act 1994</i> for exploration permits. (No environmental authority application is required for this application) <b>Go to Question 6.</b>	<input type="checkbox"/>

OFFICE USE ONLY		
<b>Q5 – Environmental authority</b>		
Check attachment	Yes	No
EA application or amendment form	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Environmental sensitive area map	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Q6 – Native title</b>		
	Yes	No
Has NT process been selected?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If expedited – applicant has completed Q6.3-6.4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ILUA documents attached if applicable.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(If NO) Advise holder that documents must be attached before application can be lodged.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

5.2 Are all proposed permit holders a registered suitable operator?

<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No. Go to question 5.3
---	---

If yes, supply suitable operator number(s)

QLD Shale Gas Pty Ltd	Reference No. 717945

5.3 Have you made an application to the Department of Environment and Heritage Protection to be a registered suitable operator under the *Environmental Protection Act 1994*?

<input type="checkbox"/> Yes	<input type="checkbox"/> No
------------------------------	-----------------------------

5.4 If no, please attach an application to become a registered suitable operator.

<b>Attachments required: (not required for tender applications)</b>	<input type="checkbox"/>
Environmental authority application form (if applicable)	<input type="checkbox"/>
Environmental sensitive area map (if applicable)	<input type="checkbox"/>
Registered suitable operator application form (if applicable)	<input type="checkbox"/>

**Question 6 – Native title** (Step 6 of the guideline) (Q6 is not required for tender applications, refer to the relevant tender document)

Please ensure that you have read and understood the **Guide to the native title process** and supporting policies

6.1 Please elect which native title process you wish to undertake.

<b>Option 1</b>	Exclusive	No native title process is required as I have determined that less than 10% of the permits area is native title land. I understand that the area subject to native title will be excluded from the permits area.	<input type="checkbox"/> (Go to Q7)
<b>Option 2</b>	Expedited *	Advertising cost required	<input checked="" type="checkbox"/> (Q6.2-6.4 must be completed)
<b>Option 3</b>	Expedited * and ILUA (existing, private or state ILUA)	Advertising cost required Name:            or Number:	<input type="checkbox"/> (Q6.2-6.4 must be completed)
<b>Option 4</b>	Right to negotiate	Advertising cost required	<input type="checkbox"/> (Q6.2 - 6.4 must be completed)
<b>Option 5</b>	Right to negotiate and ILUA (existing, private or state ILUA)	Advertising cost required Requires monthly updates be submitted to the department (for new private ILUA)	<input type="checkbox"/> (Q6.2-6.4 must be completed)
<b>Option 6</b>	New Private ILUA	Requires monthly updates be submitted to the department	<input type="checkbox"/> (Go to Q7)
<b>Option 7</b>	Opt into existing private ILUA	Name:            or Number:	<input type="checkbox"/> (Go to Q7)
<b>Option 8</b>	State ILUA	Name:	<input type="checkbox"/> (Go to Q7)

\* Native title protection conditions apply

<b>Attachments required:</b>	<input type="checkbox"/>
Private ILUA or extract of private ILUA (Option 5,7)	<input type="checkbox"/>
Opt in deed for ILUA (Option 5,7,8)	<input type="checkbox"/>

6.2 If you have selected an expedited process please confirm the following statements:

I agree that no activities that cause major ground disturbance will be undertaken on this permit e.g. bulk sampling.	<input checked="" type="checkbox"/>
I agree to and accept to the <b>Native title protection conditions</b> .	<input checked="" type="checkbox"/>

6.3 If you have elected to undertake a native title option that requires advertising, please select which advertising method you wish to undertake from one of the options below:

Multiple advertisement (batched advertising) \$1000.00	<input checked="" type="checkbox"/>
Single advertisement \$3000.00	<input type="checkbox"/>
I agree to my application being advertised with the expedited or right to negotiate native title process *	<input checked="" type="checkbox"/>

\* The department will provide you a copy of the advertisement prior to publication.

6.4 If a refund of the native title advertising fee is required please select one of the following:

Please credit this to my first years rental	<input type="checkbox"/>
Please refund the fee to the authorised holder by cheque	<input checked="" type="checkbox"/>



**Question 7 – Work program (Step 7 of the guideline)**

Complete the work program template with details of activities to be undertaken including expenditure for the term you are applying for (attach additional pages if necessary). Tenderers refer to the relevant tender document for additional requirements.

(A list of the **exploration work program disciplines and activities** can be viewed in the EP user guide)

Year	Discipline	Activity	Total quantity	Number of units (if appropriate)	Scale	Total cost
	(e.g. Desktop studies, mapping, remote sensing, geochemistry, drilling)	(e.g. Gravity data reprocessing, soil sampling, types of drilling (diamond, hammer)	(e.g. Days, meters, samples, line kilometres)	(e.g. Holes, lines)	(Ground base regional, prospecting, airborne prospecting)	\$10,000
1.	Desktop studies	Other studies	N/A	N/A	Regional	\$30,000
	Desktop studies	Siesmic data reprocessing	N/A	N/A	Regional	\$100,000
	Desktop studies	Interpretation studies	N/A	N/A	Regional	\$100,000
Year	Discipline	Activity	Total quantity	Number of units (if appropriate)	Scale	Total cost
2.	Drilling	Large diameter	3000m	1	Ground based	6,600,000

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Year	Discipline	Activity	Total quantity	Number of units (if appropriate)	Scale	Total cost
3.	Desktop studies	Interpretation studies	N/A	N/A	N/A	\$50,000

Year	Discipline	Activity	Total quantity	Number of units (if appropriate)	Scale	Total cost
4.						

Year	Discipline	Activity	Total quantity	Number of units (if appropriate)	Scale	Total cost
5.						

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**Attachments required:**

Rationale for the work program - overall and for years 1 and 2 – see the guideline template for further information

Research - Government sourced analysis. (May include QDEX reference number) (if applicable)

Privately sourced or developed research analysis (if applicable)

OFFICE USE ONLY		
<b>Q7 –Work program</b>		
Check attachment	Yes	No
Rationale for work program	✓	
Government sources analysis (if applicable)	N/A	
Privately sourced or developed research analysis (if applicable)	N/A	
(If NO) Advise holder that documents must be attached before application can be lodged.		Initial

**Question 8 – Financial and technical capability**

8.1 Please tick one of the below statements and attach the required financial and technical documents and statements according to your exploration history. Tenderers refer to the relevant tender document for additional requirements.

<p><b>I/we have more than 5 years exploration history in Queensland with a good compliance record.</b> <input type="checkbox"/></p> <p><b>Financial information:</b> Financial capability statement</p> <p>Details of other financial commitments in relation to exploration activity in Queensland <input type="checkbox"/></p> <p><b>Technical information:</b> Technical capability statement</p> <p>Details of other human / technical resource commitments in relation to exploration activity in Queensland <input type="checkbox"/></p> <p>Third party declaration (if a third party is providing resources for your work program) <input type="checkbox"/></p>	<p><b>I/we have less than 5 years compliance and exploration history in Queensland or do not wish to rely on my/our history.</b> <input checked="" type="checkbox"/></p> <p><b>Financial information:</b> Financial capability statement</p> <p>Supporting evidence <input checked="" type="checkbox"/></p> <p>Details of other financial commitments in relation to exploration activity in Queensland <input checked="" type="checkbox"/></p> <p><b>Technical information:</b> Technical capability statement</p> <p>Details of other human / technical resource commitments in relation to exploration activity in Queensland <input checked="" type="checkbox"/></p> <p>Third party declaration (if a third party is providing resources for your work program) <input checked="" type="checkbox"/></p> <p>Supporting evidence <input checked="" type="checkbox"/></p>
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<b>Q8 –Financial and technical capability</b>		
Check attachment	Yes	No
Financial capability statement	✓	
Supporting evidence (if applicable)	✓	
Financial commitments for other exploration	✓	
Technical capability statement	✓	
Human/technical resource commitments	✓	
Third-party declaration (if applicable)	N/A	
Supporting evidence (if applicable)	N/A	
(If NO) Advise holder that documents must be attached before application can be lodged.		Initial

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**Question 9 –Obligations and declaration**

**WARNING:** Giving false or misleading information is a serious offence.

- I have read and understood the **Mineral and coal exploration guideline**.
- I understand my obligations as an applicant/holder for an exploration permit.
- I have truthfully declared all relevant details requested of me in this application.
- If any part of this form has been completed with the assistance of another person, I declare that the information as set down is true and correct and has been included with my full knowledge, consent and understanding.

Signature 1:

Signature 2:

Print name:

Print name:

Position:

Position:

(if additional signatures, attach a separate piece of paper)

**Witnessed statement:**

I was present and viewed the signing of this form by the holder(s).

Name

Address:

Town/City:  State:  Postcode:

Phone no.:

Signature of witness:  Date

**Question 10 – Payment** (Tender applicants refer to the relevant tender document for more information about payment)

<b>Permit application</b>	Application fee (All minerals other than coal)	<input checked="" type="checkbox"/>	Coal	<input type="checkbox"/>
<b>Environmental authority</b>	Standard, Variation, Site Specific application	<input checked="" type="checkbox"/>		
	Amendment application fee	<input type="checkbox"/>		
<b>Native title</b>	Multiple advertisement (batched advertising)	<input checked="" type="checkbox"/>	Single advertisement	<input type="checkbox"/>

**Disclaimer**

The Queensland Government is collecting information provided on and with this form to assess the suitability of the application for exploration permit under the *Mineral Resources Act 1989* (the Act). This information is authorised by sections 133, 387 of the Act. Some or all of this information may be provided to other agencies of the Queensland Government for issuing an environmental authority, to make register searches, extracts or copies under section 387B of the Act or to make other approvals as required under the Act. Your personal information will not otherwise be disclosed to any other third party without your consent, unless authorised or required by law.

**Question 11 – Additional documents for tender applications only**

**For tender applications the following must also accompany this completed application form when lodged. Please refer to the relevant tender document for more information.**

	Please Tick
<p>Details of the proposed consultation to be undertaken with owners and occupiers of land.</p> <ul style="list-style-type: none"> <li>• Details must be provided about how and when the applicant proposes to consult with, and keep informed, owners and occupiers of land on which the activities contained within the work program are proposed to be carried out.</li> </ul>	<input type="checkbox"/>
<p><i>(Where applicable)</i> Details that address the special criteria. (refer to the checklist contained in the tender document)</p> <ul style="list-style-type: none"> <li>• <i>(Where applicable)</i> Please provide details that address the special criteria.</li> </ul>	<input type="checkbox"/>
<p>Details about each tenderer's ability to meet the capability criteria.</p> <ul style="list-style-type: none"> <li>• Indicate the experience of each applicant in exploration and production, addressing whether each applicant:                             <ul style="list-style-type: none"> <li>○ Currently holds a resources tenure; or</li> <li>○ Has previously held a resources tenure within Queensland; or</li> <li>○ Has previously held, or currently holds a resources tenure outside Queensland; or</li> <li>○ Has not previously held a resources tenure.</li> </ul> </li> </ul> <p><i>(If a tenderer currently holds a resource tenure, or has previously held a resources tenure, please attach details of this tenure. If a tenderer has never held a resource tenure, please attach details of the directors and their experience in running companies previously under their directorships, or attach a general summary containing details of the tenderer's previous work history.)</i></p>	<input type="checkbox"/>
<p><i>(Where applicable)</i> Specific requirements stated in the Land Release/Tender Notice (refer to the checklist contained in the tender document)</p>	<input type="checkbox"/>

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### Question 12 - Registration for MyMinesOnline - Optional

Do you wish to register for the MyMinesOnline system? This will enable you to conduct an increasing number of transactions for your permits online.

Yes  No

If yes, please provide your email address

Email:

- You will also need to attach to this application certified copies of two identification documents as proof of identification.

**Note: The Department will send you registration information to this email.**

Tick what forms of ID documents you are attaching. Applicants must attach one from column A and one from column B.

Column A	Column B
<input checked="" type="checkbox"/> Australian drivers licence (current and original)	<input type="checkbox"/> Medicare card, Centrelink Department of Veterans Affairs card
<input type="checkbox"/> Australian passport (current)	<input type="checkbox"/> Change of name certificate
<input type="checkbox"/> Firearms licence (current and original)	<input checked="" type="checkbox"/> Credit or account card or bank passbook
<input type="checkbox"/> Foreign passport	<input type="checkbox"/> Security guard/crowd control licence
<input type="checkbox"/> Current Queensland Government public service ID card with photo and signature	<input type="checkbox"/> BDM issued marriage certificate
<input type="checkbox"/> Current commonwealth public service ID card with photo and signature	<input type="checkbox"/> Tertiary ID card (less than one year old and issued by an Australian university only)
	<input type="checkbox"/> Council rates notices
	<input type="checkbox"/> Letter from employer
	<input type="checkbox"/> Telephone directory
	<input type="checkbox"/> Electoral roll

RTI DL RELEASED UNDER OIA

of Gas Show

Rec	Well ID	Well Type	Operator	Well Name	Result	Total Depth (m)	Total Depth (ft)	Rig Release Date	Hylog Release Date	Latitude	Longitude	Company Report Number	Publication Reference
<u>1</u>	58171	DEVELOPMENT	SSL	JUNO 6	GAS	2766.1	9075.13	1-Jun-13		27 42.3	141 49.23		
<u>2</u>	58304	DEVELOPMENT	SSL	JUNO 5	GAS PLUS OIL SHOW	2779.78	9120.01	9-Jun-02		27 41.48	141 49.44	<a href="#">33768</a>	
<u>3</u>	59391	DEVELOPMENT	SSL	BARYULAH 8	GAS	2622.8	8604.99	4-Oct-05		27 44.17	141 50.3	<a href="#">42145</a>	
<u>4</u>	59440	DEVELOPMENT	SSL	JUNO 4	GAS	2830.07	9285.01	21-Nov-05		27 41.14	141 50.14	<a href="#">42826</a>	
<u>5</u>	57575	EXPLORATION	SSL	JUNO NORTH 1	GAS	3042.2	9980.97	3-Dec-99	14-Nov-12	27 38.59	141 51.5	<a href="#">32514</a>	
<u>6</u>	58291	EXPLORATION	SSL	ACRUS 1	GAS	2790	9153.54	12-May-02		27 43.20	141 50.21	<a href="#">33761</a>	
<u>7</u>	61806	DEVELOPMENT	SSL	VEGA 3	GAS	2803.55	9198	22-Nov-08		27 43.8	141 51.49		
<u>8</u>	59113	DEVELOPMENT	SSL	WELLINGTON 5	GAS	2503.93	8214.99	6-Dec-04		27 44.20	141 51.55	<a href="#">38723</a>	
<u>9</u>	59135	EXPLORATION	SSL	COSMOWEST 1	GAS	2610.31	8564.01	23-Nov-04		27 47.23	141 50.6	<a href="#">38705</a>	
<u>10</u>	59855	DEVELOPMENT	SSL	BARYULAH 11	GAS	2599.64	8529	20-Oct-06		27 45.10	141 50.33	<a href="#">45981</a>	
<u>11</u>	59363	DEVELOPMENT	SSL	BARYULAH 7	GAS	2619.76	8595.01	12-Sep-05		27 45.5	141 51.25	<a href="#">40823</a>	
<u>12</u>	50276	APPRAISAL	SSL	BARYULAH 2	GAS	2602.69	8539.01	20-Oct-95		27 44.47	141 49.64	<a href="#">28866</a>	
<u>13</u>	59412	DEVELOPMENT	SSL	BARYULAH 9	GAS	2641.7	8666.99	20-Oct-05		27 45.33	141 50.48	<a href="#">42582</a>	
<u>14</u>	58178	DEVELOPMENT	SSL	BARYULAH 5	GAS	2667	8750	29-Jul-01		27 45.17	141 51.54	<a href="#">33264</a>	
<u>15</u>	58551	APPRAISAL	SSL	WELLINGTON 2	GAS PLUS OIL SHOW	2779.77	9119.98	8-Nov-03		27 42.58	141 51.50	<a href="#">36749</a>	
<u>16</u>	1349	EXPLORATION	DIO	BARYULAH 1	GAS	2572.5	8439.86	9-Dec-84		27 45.15	141 50.24	<a href="#">14348</a>	
<u>17</u>	58189	EXPLORATION	SSL	WELLINGTON 1	GAS	2765.15	9072.01	21-Aug-01		27 43.17	141 49.54	<a href="#">33571</a>	
<u>18</u>	58205	DEVELOPMENT	SSL	JUNO 3	GAS	2928.2	9606.96	18-Oct-01		27 41.55	141 50.5	<a href="#">33472</a>	
<u>19</u>	59056	DEVELOPMENT	SSL	WELLINGTON 4	GAS	2489	8166.01	24-Sep-04		27 44.15	141 48.30	<a href="#">38434</a>	
<u>20</u>	57387	EXPLORATION	SSL	JUNO 2	GAS	2834.6	9299.87	6-Jun-98		27 41.17	141 49.43	<a href="#">31212</a>	
<u>21</u>	57691	APPRAISAL	SSL	BARYULAH 3	GAS	2633.78	8641.01	9-Nov-00		27 44.42	141 50.40	<a href="#">32757</a>	
<u>22</u>	58194	APPRAISAL	SSL	HERA 2	GAS	2994.05	9823	16-Sep-01		27 41.3	141 51.23	<a href="#">33473</a>	
<u>23</u>	57397	EXPLORATION	SSL	HERA 1	GAS	2896.8	9503.84	10-Jul-98		27 41.14	141 51.37	<a href="#">31224</a>	
<u>24</u>	59044	DEVELOPMENT	SSL	BARYULAH 6	GAS	2631.64	8633.95	9-Sep-04		27 45.10	141 52.08	<a href="#">38237</a>	

link to these records.

RTI DL RELEASE UNDER DNDPA

Oil or Oil Show

Rec	Well ID	Well Type	Operator	Well Name	Result	Total Depth (m)	Total Depth (ft)	Rig Release Date	Hylog Release Date	Latitude	Longitude	Company Report Number	Publication Reference
<u>1</u>	58304	DEVELOPMENT	SSL	JUNO 5	GAS PLUS OIL SHOW	2779.78	9120.01	9-Jun-02		27 41 48	141 49 44	<u>33768</u>	
<u>2</u>	58551	APPRAISAL	SSL	WELLINGTON 2	GAS PLUS OIL SHOW	2779.77	9119.98	8-Nov-03		27 42 58	141 51 50	<u>36749</u>	

link to these records

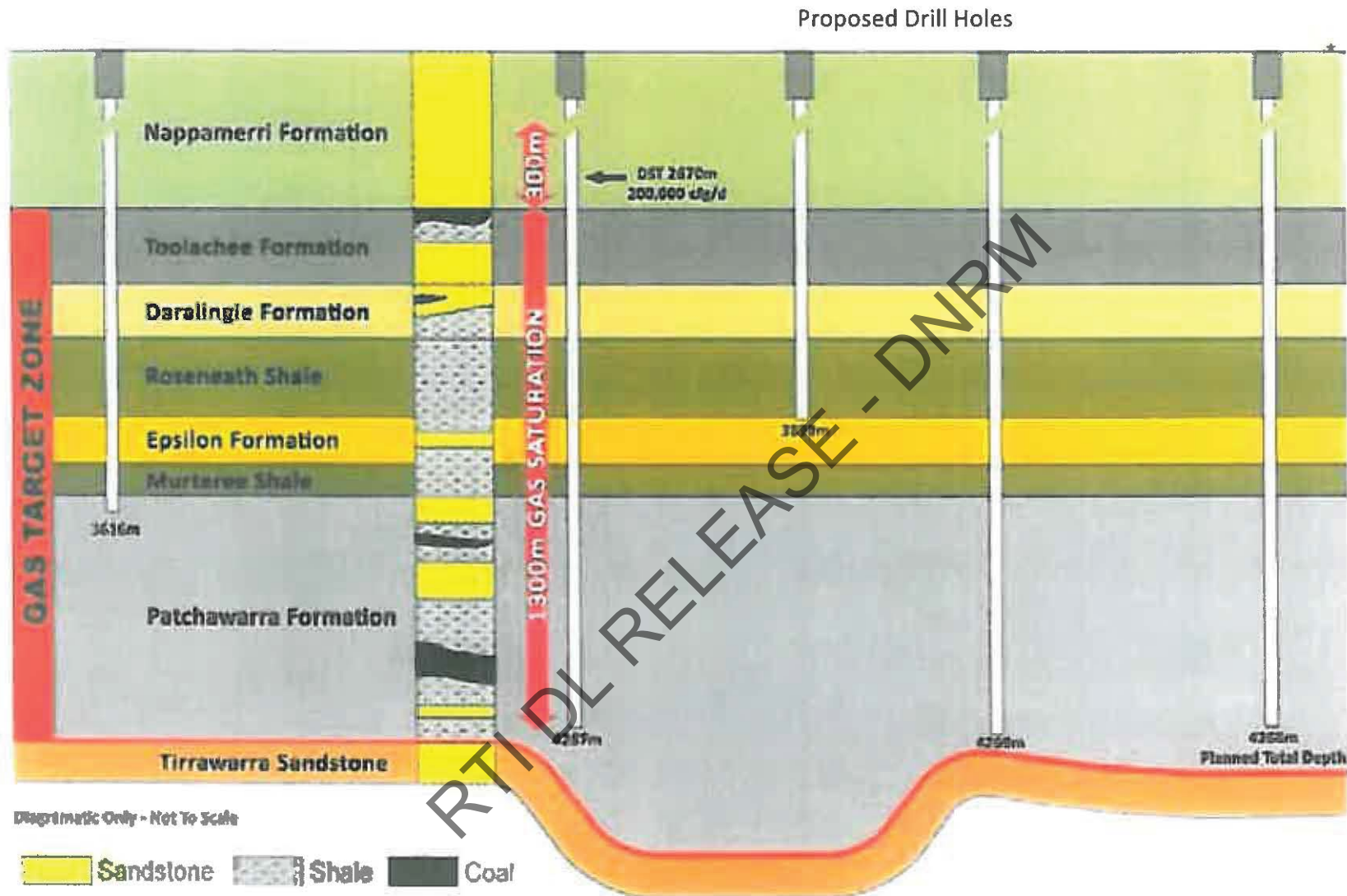
RTI DL RELEASE - DNRM

## Seismic Line

Rec	Name	Survey Name	Operator	Completion Date	Line Key	Line	Year	Survey Number	Length (Kilometer)	Company Report Number
<a href="#">1</a>	99-JKF	SQ99	SSL	11/11/1999	33010	99-JKF	1999	95108	2562	<a href="#">32304</a>
<a href="#">2</a>	99-JKM	SQ99	SSL	11/11/1999	33016	99-JKM	1999	95108	2562	<a href="#">32304</a>
<a href="#">3</a>	84-SGJ	BRAHE	DIO	31/12/1985	12659	84-SGJ	1985	85010	7634	<a href="#">16024</a>
<a href="#">4</a>	99-JKJ	SQ98	SSL	13/10/1998	38865	99-JKJ	1998	95100	903	<a href="#">31109</a>
<a href="#">5</a>	99-JKK	SQ99	SSL	11/11/1999	33014	99-JKK	1999	95108	2562	<a href="#">32304</a>
<a href="#">6</a>	97-HXK	SQ97 (2D-1767KM; 3D-1599KM)	SSL	12/01/1998	32632	97-HXK	1998	95066	3366	<a href="#">31073</a>
<a href="#">7</a>	97-HYG	SQ97 (2D-1767KM; 3D-1599KM)	SSL	12/01/1998	32650	97-HYG	1998	95066	3366	<a href="#">31073</a>
<a href="#">8</a>	94-ETM	CUNNINGHAM	SSL	13/01/1995	21518	94-ETM	1995	94001	1332	<a href="#">30608</a>
<a href="#">9</a>	94-ETN	CUNNINGHAM	SSL	13/01/1995	21519	94-ETN	1995	94001	1332	<a href="#">30608</a>
<a href="#">10</a>	82-QPR	BREAKFAST CREEK	DIO	31/12/1982	22691	82-QPR	1982	82011	1386	<a href="#">14204</a>
<a href="#">11</a>	97-HYP	SQ97 (2D-1767KM; 3D-1599KM)	SSL	12/01/1998	32657	97-HYP	1998	95066	3366	<a href="#">31073</a>
<a href="#">12</a>	97-HYA	SQ97 (2D-1767KM; 3D-1599KM)	SSL	12/01/1998	32644	97-HYA	1998	95066	3366	<a href="#">31073</a>
<a href="#">13</a>	74-C28A	COONABERRY	AAP	31/12/1974	3112	74-C28A	1974	74005	105	<a href="#">5085</a>
<a href="#">14</a>	85-YSJ	BECKER	DIO	31/12/1985	12292	85-YSJ	1985	85003	6034	<a href="#">16924</a>
<a href="#">15</a>	66-OAB	WINDORAH-WOLGOLLA	FPC	4/09/1966	2316	66-OAB	1966	66023	668	<a href="#">2031</a>
<a href="#">16</a>	97-HXL	SQ97 (2D-1767KM; 3D-1599KM)	SSL	12/01/1998	32633	97-HXL	1998	95066	3366	<a href="#">31073</a>
<a href="#">17</a>	94-ETS	CUNNINGHAM	SSL	13/01/1995	26500	94-ETS	1995	94001	1332	<a href="#">30608</a>
<a href="#">18</a>	83-NWW	GRAY	DIO	31/12/1984	23475	83-NWW	1984	84022	6967	<a href="#">15494</a>
<a href="#">19</a>	95-FWZ	KENNEDY	SSL	30/10/1995	32259	95-FWZ	1995	95017	2249	<a href="#">30576</a>
<a href="#">20</a>	83-NXA	GRAY	DIO	31/12/1984	23479	83-NXA	1984	84022	6967	<a href="#">15494</a>
<a href="#">21</a>	97-HYQ	SQ97 (2D-1767KM; 3D-1599KM)	SSL	12/01/1998	32658	97-HYQ	1998	95066	3366	<a href="#">31073</a>
<a href="#">22</a>	65-EB	STRZELECKI-COOPER (QLD ONLY)	DIO	31/12/1965	1839	65-EB	1965	65021	726	<a href="#">1857</a>
<a href="#">23</a>	74-C27A	COONABERRY	AAP	31/12/1974	21969	74-C27A	1974	74005	105	<a href="#">5085</a>
<a href="#">24</a>	95-FWT	KENNEDY	SSL	30/10/1995	32256	95-FWT	1995	95017	2249	<a href="#">30576</a>
<a href="#">25</a>	94-ETZ	CUNNINGHAM	SSL	13/01/1995	30843	94-ETZ	1995	94001	1332	<a href="#">30608</a>

3 Zoom to these records





Section schematic showing the position of the proposed drill holes relative to the formations penetrated within the area of interest

### Section of Cooper Basin for Area of Interest

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**Rational for Human and Technical Resources  
Exploration permit for all minerals other than coal**

**JUNO**

**Management Team**

**Eric James Lollo (Managing Director / Shareholder)**

Eric Lollo has been self-employed since 1991, when he established a plumbing business in Townsville. Experience gained from this business allowed for the establishment of NQ Excavations Pty Ltd (NQE) in 1997. NQE specializes in the installation of pipelines and construction of sewerage pump stations. Whilst NQE has undergone a name change and a change in directors it is still operating today under Eric's experience and guidance, as both co-owner and director.

Eric brings his considerable experience in pipeline construction which was gained through many drainage construction projects performed in North Queensland, the Northern Territory and the Torres Straits. His supervisory skills and construction experience ensure that all work undertaken by NQE is to a high standard and programed to be completed within the construction period.

In 1996, Eric incorporated his first development company and since its inception has project managed and constructed unit developments, industrial properties and shopping centres in Townsville. Eric currently holds financial interests ranging from industrial land development and shopping centre ownership to residential investment properties.

In 2006, Eric became a major shareholder of a research and development company developing world leading "state of the art" technology in the alternate bio-fuel sector. He also holds the position of alternate director.

**Robert Michael Carey (Director / Shareholder)**

Mr Carey has 35 years in public practice and is the Senior Partner of the North Queensland public accountancy practice Carey Accountants Pty Ltd specialising in taxation, management and finance.

Robert is Chairman of North Queensland Bio-Energy Corporation Limited (NQBE), the company which has received all of the Federal, State and local development approvals for the construction of a \$520m sugar cane based facility in Ingham, North Queensland. He has been responsible for raising the capital necessary for the project and also enticing equity partners to the project.

His role at NQBE, Mr Carey is responsible for ASIC corporate secretarial compliance and related matters, assists in the financial management responsibilities for the company's affairs, attends to employee employment and consultants agreements, negotiates the terms and conditions of the company's property leases, communicates with sugar industry representatives and assists with overall company direction and policy.

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Robert is also Chairman of Ethanol Technologies Limited (Ethtec) which is commercialising the second generation "cellulosic" technology in Australia. Ethtec is considered a world leader in the second generation cellulosic commercialisation race. Robert and a fellow director have been responsible for raising all the capital necessary for this project.

Robert is a registered company Auditor with the Australian Securities and Investment Commission (ASIC), a member of the Australian Institute of Company Directors, is the Chief Executive Officer of the Carey Family Group of companies and is a Director of various other non-related private companies.

#### **Phil Brennan (Director / Shareholder)**

Phillip Brennan is the co-owner and director of a construction, equipment hire and development companies and has over 27 years hands on experience as a project and construction manager. He has managed and delivered projects in construction and mining industries throughout Queensland.

Projects Phil has successfully delivered range from building major infrastructure in remote communities and townships in western and far north Queensland and Torres Strait to projects in refineries and local government councils. He has a proven record of delivering major projects within budget and timeframes. He also has extensive pipeline construction experience involving all types of pipework and structures. He leads by example and provides a positive work ethic for others to follow.

With key strengths in construction programming, planning, coordination and supervision of works, he displays natural leadership qualities and creates good working relationships. He takes a "can do" approach to any and all challenges, with a willingness to undertake training and development and a commitment to environmental and work place health and safety in the work place.

#### **John Mayford Sexton (Director / Shareholder)**

John Sexton has been Managing Director of Sexton Developments Pty Ltd since incorporation in 1984.

Sexton Developments Pty Ltd is a civil construction and development company that has developed and constructed major works on the Bruce Highway, upgrading and lengthening of the Tonga and Port Villa international runways (JV partner with Boral Asphalt), upgrading east coast Queensland island aircraft runways and several thousand residential, rural and industrial lots including golf courses and recreational facilities in North Queensland.

Sexton Developments Pty Ltd constructed and was a major shareholder of Rosshaven Marine (Townsville) the largest privately owned and operated travel lift boat repair facility on the east coast of Australia.

Sexton Developments Pty Ltd has owned, developed and operated large furrow and trickle irrigated cane farms in the Burdekin District.

He was the applicant for the Hadleigh Castle exploration permit, Charters Towers District.

The Sexton Group carried out the initial exploration and drilling of this exploration permit at the Hadleigh Castle. Union Oil and Ashton Mining became JV partners to develop a 2 million tonne per gold mining operation on the project mining lease.

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**Rational for Exploration  
Exploration permit for all minerals other than coal**

**JUNO**

QLD Shale Gas Pty Ltd (QSG) proposes an exploration program for oil shale in the Cooper Basin (Queensland) that may lead to the discovery of a large standalone oil shale deposit.

The area of interest (refer to attached locality plan) of this standalone oil shale deposit, requires QSG to make multiple exploration permit applications for all minerals other than coal.

A standalone project allows for a well-managed orderly development of the permit area, provides market and cost advantage, proper infrastructure planning, and proper development, financing and risk management.

Oil shale is the high priority target mineral.

So far as we are aware there has not been any or even a pilot program for oil shale exploration in the Cooper Basin, Queensland. QSG initial evaluation indicated that our proposed area of interest for an oil shale resource has the potential to significantly contribute to Queensland energy portfolio. The most economically viable locations for oil shale exploration are onshore sedimentary basins containing existing conventional petroleum production that already host existing infrastructure.

Our research shows that no mineral tenure has ever been granted over our area of interest and the area is available land for applications for an exploration permit for all minerals other than coal under the MRA.

Our application rationale, exploration model, works program, financial and technical capability is based on or termed Greenfield exploration.

Successful exploration for oil shale by QSG would develop a new industry in Queensland creating investment, infrastructure, diversification and employment.

A significant standalone oil shale deposit would attract international companies that can provide QSG with the latest drilling equipment, oil shale exploration technologies, experienced personnel, investment and experience to explore for oil shale.

Research by QSG and their consulting geoscientist, geologist and geophysicist together with information gathered from QDEX reports, ASX company reports and Queensland Government reports have identified the area marked on the locality plan (area of interest) has high potential for the successful exploration for oil shale and for the discovery of a large oil shale deposit in the Cooper Basin, particularly within the Juno application.

QSG has been incorporated by interested parties to explore for oil shale in the Cooper Basin. The shareholders are all very experienced and well respected business men based in North Queensland.

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## **Rationale for Exploration Model**

The Cooper Basin stands out as the most prospective and commercially viable region in Queensland for oil shale exploration.

The proposed area of interest recommended by our consultants is considered to have highest potential for successful oil shale exploration in the Cooper Basin. This area of interest is only a small part of the 130,000 km<sup>2</sup> Cooper Basin.

The exploration techniques, technology, drilling equipment and experienced/qualified personnel required for oil shale exploration was pioneered in America in shale and other rock formations in many basins.

As mentioned previously there has not been any exploration for oil shale in the Cooper Basin. A review was carried out of key parameters that make a geological formation with source rock potential an oil shale exploration target in deeper parts of sedimentary Cooper Basin. This review identified the Toolachee, Roseneath, Epsilon, Murteee and Patchawarra formations and Nappameri Trough within our application area be specifically targeted for oil shale exploration.

Exploration for oil shale by QSG will be by way of drilling.

QSG has been advised that the most prospective locations of greatest potential for oil shale exploration drill holes may be determined from existing petroleum wells and seismic data extracted from QDEX reports and company announcements. This information and drilling data may be incorporated into an oil shale model.

QSG will commission a report to assess and evaluate the potential of the key formations as oil shale targets from existing petroleum well and seismic data. This report will include a degree of potential and a rating for each proposed drill hole. A drill hole is proposed for each application.

The report will determine the sequence in the drilling of these holes. The information received from each drill hole will be processed into the exploration model to determine the following sequence of drill holes that will expand or confirm an oil shale ore body.

Unsuccessful drilling may confirm areas in our application that can be surrendered.

Areas in our application that overlap other resource permits or unavailable land may be considered by the Department to be unavailable land. QSG will make an application (S176A of the MRA) to add excluded land to the granted exploration permit. QSG will negotiate with the other resource permit holders to coordinate programed mineral exploration activities. These coordinated arrangements will be submitted to the Minister for approval.



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## Works Program

Deep exploration for oil shale ore bodies in the Permian sediments is new to Queensland. The exploration drilling for oil shale in the exploration permits will require specialised drilling equipment capable of drilling to approximately 3500 metres in temperatures to 300° C. This specialised equipment may have to be sourced from international contractors. The availability of these contractors will depend on their work commitments and our commitment of contract work continuity. Continuous exploration may result in cost savings of 20 – 40%. Queensland and Australian consultants and contractors will be engaged in the oil shale exploration if equipped, qualified and experienced.

A Director of QSG has had a preliminary meeting with Halliburton Co Australia in Brisbane to discuss their possible involvement in oil shale exploration in the Cooper Basin. The size and potential of the exploration area suits their project management profile. This association can advance further when the exploration permits are granted.

Our preliminary discussions with Halliburton included possibilities in exploration activities. Some of the topics included:

- Preliminary assessment of some petroleum well data and seismic lines may develop an initial exploration model.

- Provide a preliminary report on the potential, size and grade of oil shale ore bodies within the area of interest and the Juno exploration permit application.

- The preliminary report is to include a rating and sequence of exploration drilling for each application. This report will include an initial valuation for the area of interest which may be used for financing purposes.

QSG proposes to drill 2 holes in year 1 to confirm the exploration model interpreted from petroleum well, seismic data and company reports.

QSG will then drill the next 6 high priority wide spaced holes in year 2 to possibly locate an oil shale ore body.

This drilling will further develop our oil shale exploration model, and permit QSG to contract additional specialised drilling contractors to drill the remaining 43 holes in years 3, 4 and 5. These additional contractors can be utilized in additional infill drill holes if required. The exploration drilling in the works program for each permit and in particular the Juno permit will provide a minimum of one exploration drill hole per exploration permit.

The table of exploration expenditure for the 5 year permit term (attached) also provides the preliminary sequence of drilling in each permit.

### Period 1

QSG will appoint a consultant to carry out a desk top other study and develop a preliminary exploration model for oil shale for the area of interest which includes the area of the Juno exploration permit.

This preliminary report will include an estimated size and potential of an oil shale deposit in the area of interest that can be used for valuation and financing purposes.

Estimated cost \$1.53 m.

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**Period 2**

The consultant will carry out a detailed interpretation study of the well and seismic data reprocessing of the area of the 8 highest priority drill holes in the permits from the report in period 1. A contract will be awarded for the drilling of the two highest priority holes from this report.

**Period 3**

Drill 2 exploration holes (5,100m) and assess drill log data.

**Period 4**

Commence a drilling program on the remaining 6 priority holes determined in the period 2 study (18,700m) and assess the drill data. As drilling progress the data will be incorporated into the exploration model which will permit drill hole locations to be amended to provide the best exploration location for oil shale.

**Period 5**

Commence a drilling program on the remaining 43 holes (97,700m). This provides a minimum of 1 drill hole in each remaining application permit. As each drill hole is completed the data received will be incorporated into the exploration model and this data may vary the drill hole sequence.

**Estimated Expenditure**

Enclosed is a table of exploration expenditure and the proposed initial program sequence of drill holes for the 5 year permit term. This table also provides the estimated expenditure for each application area.

**Exploration expenditure per sub-block per year**

Year 1	\$ 2,810
Year 2	\$ 8,490
Year 3	\$ 14,120
Year 4	\$ 12,800
Year 5	\$ 18,740

Total exploration expenditure for years 1 and 2 is \$ 57.89 m

**Application Fee**

Application fee (all minerals other than coal)	\$826.00 per application
Multiple advertisement (batched advertising)	\$1,000.00 per application

A one off payment for the environmental fee \$ 551.00 is included

# QLD Shale Gas Pty Ltd

## Table of Exploration Expenditure for the 5 Year Permit Term

Application Name	Expenditure Of Term					Total Expenditure
	Year 1	Year 2	Year 3	Year 4	Year 5	
Wackett	\$6,330,000	\$80,000	\$0	\$0	\$0	\$6,410,000
Chooko	\$30,000	\$200,000	\$4,700,000	\$50,000	\$0	\$4,980,000
Tequila	\$30,000	\$0	\$200,000	\$4,900,000	\$50,000	\$5,180,000
Nurra	\$230,000	\$8,200,000	\$50,000	\$0	\$0	\$8,480,000
Cooper	\$30,000	\$200,000	\$6,800,000	\$50,000	\$0	\$7,080,000
Yangtse	\$30,000	\$200,000	\$5,200,000	\$50,000	\$0	\$5,480,000
Jackson	\$30,000	\$0	\$200,000	\$5,500,000	\$50,000	\$5,780,000
Juno	\$230,000	\$6,600,000	\$50,000	\$0	\$0	\$6,880,000
Hebe	\$30,000	\$0	\$200,000	\$6,300,000	\$50,000	\$6,580,000
Cooroo	\$30,000	\$0	\$0	\$200,000	\$4,750,000	\$4,980,000
Cosmo	\$30,000	\$0	\$200,000	\$5,500,000	\$50,000	\$5,780,000
Natan	\$30,000	\$200,000	\$5,900,000	\$50,000	\$0	\$6,180,000
Burundi	\$30,000	\$0	\$0	\$200,000	\$4,750,000	\$4,980,000
Lepard	\$5,530,000	\$80,000	\$0	\$0	\$0	\$5,610,000
Goora	\$30,000	\$0	\$200,000	\$4,700,000	\$50,000	\$4,980,000
Brock	\$30,000	\$0	\$0	\$200,000	\$3,550,000	\$3,780,000
Coongy	\$30,000	\$0	\$0	\$200,000	\$3,550,000	\$3,780,000
Sandy	\$230,000	\$7,000,000	\$50,000	\$0	\$0	\$7,280,000
Hector	\$230,000	\$5,300,000	\$50,000	\$0	\$0	\$5,580,000
Theta	\$30,000	\$0	\$200,000	\$5,000,000	\$50,000	\$5,280,000
Bowen	\$30,000	\$200,000	\$4,200,000	\$50,000	\$0	\$4,480,000
Kappa	\$30,000	\$200,000	\$7,000,000	\$50,000	\$0	\$7,280,000
Raffle	\$30,000	\$0	\$200,000	\$5,300,000	\$50,000	\$5,580,000
Zeus	\$30,000	\$200,000	\$5,000,000	\$50,000	\$0	\$5,280,000
Watkins	\$30,000	\$0	\$0	\$200,000	\$4,550,000	\$4,550,000
Omega	\$30,000	\$0	\$200,000	\$5,300,000	\$50,000	\$5,580,000
Inca	\$30,000	\$0	\$200,000	\$4,700,000	\$50,000	\$4,980,000
Watson	\$30,000	\$0	\$0	\$200,000	\$4,550,000	\$4,780,000
Wolgolla	\$30,000	\$0	\$200,000	\$4,900,000	\$50,000	\$5,180,000
Keren	\$30,000	\$0	\$200,000	\$5,000,000	\$50,000	\$5,280,000
Iliad	\$30,000	\$0	\$0	\$200,000	\$4,550,000	\$4,780,000
Ashby	\$30,000	\$0	\$0	\$200,000	\$4,550,000	\$4,780,000
Sigma	\$30,000	\$0	\$0	\$200,000	\$4,250,000	\$4,480,000
Gamma	\$30,000	\$0	\$0	\$200,000	\$4,050,000	\$4,280,000
Noosa	\$30,000	\$0	\$200,000	\$3,800,000	\$50,000	\$4,080,000
Innamincka	\$230,000	\$7,800,000	\$50,000	\$0	\$0	\$8,080,000
Ballera	\$230,000	\$5,900,000	\$50,000	\$0	\$0	\$6,180,000
Judga	\$30,000	\$200,000	\$5,300,000	\$50,000	\$0	\$5,580,000
Tallalia	\$30,000	\$0	\$0	\$200,000	\$7,050,000	\$7,280,000
Challum	\$30,000	\$200,000	\$6,600,000	\$50,000	\$0	\$6,880,000
Costa	\$30,000	\$200,000	\$5,700,000	\$50,000	\$0	\$5,980,000
Raworth	\$30,000	\$0	\$0	\$200,000	\$5,750,000	\$5,980,000
Pepita	\$30,000	\$0	\$0	\$200,000	\$5,950,000	\$6,180,000
Macadama	\$30,000	\$200,000	\$7,000,000	\$50,000	\$0	\$7,280,000
Monte	\$30,000	\$200,000	\$5,900,000	\$50,000	\$0	\$6,180,000
Arrabury	\$30,000	\$0	\$0	\$200,000	\$5,850,000	\$6,080,000
Tooperry	\$30,000	\$0	\$0	\$200,000	\$5,750,000	\$5,980,000
Keilor	\$30,000	\$0	\$0	\$200,000	\$6,050,000	\$6,280,000
Corsair	\$30,000	\$0	\$0	\$200,000	\$5,350,000	\$5,580,000
Munro	\$30,000	\$0	\$0	\$200,000	\$4,550,000	\$4,780,000
Maya	\$30,000	\$0	\$0	\$200,000	\$5,550,000	\$5,780,000
<b>TOTALS</b>	<b>\$14,530,000</b>	<b>\$43,360,000</b>	<b>\$72,000,000</b>	<b>\$65,300,000</b>	<b>\$95,550,000</b>	<b>\$290,510,000</b>





## Permit Application (ID 10000828 )

### PERMIT DETAILS

**Permit Name:** Cosmo **Term of Permit:** 5 Years  
**Resource Type:** Mineral or Coal  
**Permit Type:** Exploration Permit for Minerals other than coal  
**General Locality of the Application:** 70 kilometres WSW of Jackson

### PERMIT HOLDER DETAILS

#### Holders for this Application

Holder	Percent Holding	Authorised
QLD SHALE GAS PTY LTD	100.000000000000	Yes

**Tenancy:** Sole Holder

#### Holder address details

QLD SHALE GAS PTY LTD

<b>Holder:</b> QLD SHALE GAS PTY LTD	<b>Address:</b> PO Box 1817
<b>ACN:</b> 164794227	<b>Town/City:</b> Aitkenvale
<b>E-mail Address:</b> eric@qld-oilshale-group.com.au	<b>State:</b> QLD
<b>Business Number:</b> sch 4 - mobile phone	<b>Postcode:</b> 4814
<b>Mobile Number:</b>	<b>Country:</b> Australia

#### Authorised Holder Representative (AHR) Details

<b>Name:</b> Eric Lollo	<b>Address:</b> PO Box 1817
<b>E-mail Address:</b> eric@qld-oilshale-group.com.au	<b>Town/City:</b> Aitkenvale
<b>Phone Number:</b> sch 4 - mobile phone	<b>State:</b> QLD
<b>Fax Number:</b>	<b>Postcode:</b> 4814
	<b>Country:</b> Australia

#### Supporting Document(s)

Letter of authority - AHR

**PERMIT AREA**

**Mining district(s):** Quilpie

**Local government area(s):** Bulloo Shire Council

**Total Number of Sub-Blocks:** 100

**Sub-Blocks:**

<b>BIM</b>	<b>Block</b>	<b>Sub-Blocks</b>
Cooper Creek	3284	A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z
Cooper Creek	3285	A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z
Cooper Creek	3286	A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z
Cooper Creek	3287	A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z

RTI DL RELEASE - DNRM

**LAND AVAILABILITY REPORT**

**Overlapping Permits**

Number	Type	Holder	Status	Implication (for EPM/EPC only)
PL 131	Petroleum Lease	SANTOS LIMITED	Granted	Overlapping application is generally allowed, but if granted, can not undertake activities without the written consent of the underlying permit holder. Consent must be lodged with the Chief Executive of the particular resource Act or in another prescribed way.
PL 177	Petroleum Lease	SANTOS LIMITED	Granted	Overlapping application is generally allowed, but if granted, can not undertake activities without the written consent of the underlying permit holder. Consent must be lodged with the Chief Executive of the particular resource Act or in another prescribed way.
PL 178	Petroleum Lease	SANTOS LIMITED	Granted	Overlapping application is generally allowed, but if granted, can not undertake activities without the written consent of the underlying permit holder. Consent must be lodged with the Chief Executive of the particular resource Act or in another prescribed way.
PL 254	Petroleum Lease	SANTOS LIMITED	Granted	Overlapping application is generally allowed, but if granted, can not undertake activities without the written consent of the underlying permit holder. Consent must be lodged with the Chief Executive of the particular resource Act or in another prescribed way.
PL 255	Petroleum Lease	SANTOS LIMITED	Granted	Overlapping application is generally allowed, but if granted, can not undertake activities without the written consent of the underlying permit holder. Consent must be lodged with the Chief Executive of the particular resource Act or in another prescribed way.
PPL 81	Pipeline Licence	SANTOS LIMITED	Granted	Overlapping application is generally allowed, but if granted, can not undertake activities without the written consent of the underlying permit holder. Consent must be lodged with the Chief Executive of the particular resource Act or in another prescribed way.
EPM25551	Exploration Permit Minerals other than Coal	QLD COOPER SHALE PTY LTD	Application	Overlapping area is generally considered unavailable for application unless there is a specific exception provided for under legislation. Generally, the overlapping area will be excluded from the application area, prior to the application being accepted.

**Unavailable Land**

**Constrained Land**

Constraint	Explanation	Details of constraint
Wild Rivers-High Preservation Area	The area within and up to one kilometre each side of the wild river, its major tributaries and special off-stream features, such as floodplain wetlands.	Constrained under the Wild Rivers Act 2005. For more information contact the Environmental Regulator.
Wild Rivers-Special Floodplain Management Area	Special Floodplain Management Area is limited to an area declared for part of the Lake Eyre Basin. Limited activities, restricted to surface areas may be authorised in these areas.	Activity will be limited to those involving minimal surface disturbance in a special floodplain management area. Please review the declaration for each Wild Rivers area for further detail.

**Conditional Surrender:** No

**NATIVE TITLE**

**Native Title Process:** Expedited

Overpayment refund method: overpayment refunded by cheque

I confirm that we will not be undertaking activities that cause major ground disturbance: Yes

I confirm that we will comply with the Native Title Protection Conditions: Yes

Approval of the advertisement: Yes

**Native Title Advertisement**

Fee description	Fee Amount (\$)
Native title multiple advertisement	\$1,000.00

**OBLIGATIONS**

As the authorised holder representative, I understand and agree to the obligations associated with the permit:

Yes

**PAYMENT DETAILS**

Fee Type	Details	Amount (\$)
ADVREVB	Native title multiple advertisement	\$1,000.00
APPEPM	Exploration Permit for Minerals other than Coal	\$826.00
<b>Total Fee:</b>		<b>\$1,826.00</b>

**OFFICE USE ONLY**

Received AT: \_\_\_\_\_

Received BY: \_\_\_\_\_

DATE: \_\_\_\_\_

TIME: \_\_\_\_\_

FEE Paid: \_\_\_\_\_

RECEIPT no: \_\_\_\_\_

**Disclaimer**

The Queensland Government is collecting information provided on and with this form to assess the suitability of the application for exploration permit under the Mineral Resources Act 1989 (the Act). This information is authorised by sections 133, 387 of the Act. Some or all of this information may be provided to other agencies of the Queensland Government for issuing an environmental authority, to make register searches, extracts or copies under section 387B of the Act or to make other approvals as required under the Act. Your personal information will not otherwise be disclosed to any other third party without your consent, unless authorised or required by law.

RTI DL RELEASED - DNRM

# Attachment

## WORK PROGRAM

### Proposed Work Program Schedule

Year	Discipline	Activity	Unit (Cost)	Unit (Description)	Expenditure
Year 1	Desktop Studies	Other Studies	1.00 Days	1 Days	\$30,000.00
Year 2	Desktop Studies	Other Studies	1.00 Days	1 Days	\$1.00
Year 3	Desktop Studies	Interpretation Studies	1.00 Days	1 Days	\$100,000.00
Year 3	Desktop Studies	Seismic Data Reprocessing	1.00 Days	1 Days	\$100,000.00
Year 4	Drilling	Large Diameter	2500.00 Metres	1 Holes	\$5,500,000.00
Year 5	Desktop Studies	Interpretation Studies	1.00 Days	1 Days	\$50,000.00

Year	Expenditure Summary	Per Sub-Block	Over Area (Sub-Blocks)
1	\$30,000.00	\$300.00	100
2	\$1.00	\$0.01	100
3	\$200,000.00	\$2,000.00	100
4	\$5,500,000.00	\$91,666.67	60
5	\$50,000.00	\$833.33	60

This screen provides a detailed list of the overlapping permits, restricted areas and other constrained areas that may impact the proposed permit application.

Total Field Expenditure: \$5,500,000.00

Total Desktop Expenditure: \$280,001.00

**Total Expenditure:** \$5,780,001.00

### Rationale

### Research

#### Privately Sourced or Developed Research Analysis

Private Research

### Supporting Document(s)

Work Plan Rationale

## FINANCIAL AND TECHNICAL CAPABILITY

### Financial Capability

#### Supporting Document(s)

Financial Capability Statement  
Financial Commitment

### Human and Resource Capability

#### Supporting Document(s)

Other Exploration Activity Statement (Technical)  
Technical Capability Statement

# Environmental Authority

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*Environmental Protection Act 1994*

## ENVIRONMENTAL AUTHORITY

**This environmental authority application is:**

The area is covered by an environmental authority application submitted TODAY for another permit application

Previous application number: 10000815

## STRATEGIC CROPPING LAND

Are you proposing to undertake any resource activity (including entry) on land that is designated as existing or potential SCL?:

No

RTI DL RELEASE - DNRM



11/04/2014

Other Eric James Lollo  
PO Box 1817  
Aitkenvale QLD 4814

### **Application for exploration permit EPM 25604**

I refer to your application for an exploration permit, lodged on at Charters Towers office.

The application has been accepted in the names of the holders you provided.

### **What happens now**

We will now undertake an assessment of your application and you will be notified of the outcome. The assessment will involve a preliminary assessment; a technical assessment of the work program and financial and resource capacity; an assessment of the geology of the area and a review of the compliance history of the nominated holders (if relevant).

If you have any questions about your application, please contact the Mines Online helpdesk on +61 7 3199 8133 or email [mines\\_online@dnrm.qld.gov.au](mailto:mines_online@dnrm.qld.gov.au) and they can direct your enquiry.

### **Have you registered for MyMinesOnline?**

You can now lodge and pay for an application online by registering with MyMinesOnline. We are continually rolling out new features and soon you will be able to change holder details, arrange transfers and more. To register, please visit the MyMinesOnline registration web site at <http://myminesonlineservices.business.qld.gov.au/userregistration/registeruser.aspx>

Yours sincerely,

Chief Executive's delegate  
Department of Natural Resources and Mines

## Report Summary:

### Holder details

<b>Authorised holder</b>	QLD SHALE GAS PTY LTD
<b>Other holders</b>	

### Permit details

<b>Minerals sought</b>	All Minerals Other Than Coal	<b>Term</b>	5 years
<b>Permit name</b>	Cosmo		
<b>Strategic cropping land</b>	Not Applicable		
<b>Environmental authority</b>	The area is covered by an environmental authority application submitted TODAY for another permit application		
<b>Native Title</b>	Expedited		

### Area Description

BIM	Block	Sub-blocks
Cooper Creek	3284	A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z
Cooper Creek	3285	A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z
Cooper Creek	3286	A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z
Cooper Creek	3287	A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z

**Unavailable land:** No

### Summary of permit area:

<b>Total number of whole sub-blocks applied for:</b>	100
<b>Total number of whole sub-blocks unavailable:</b>	0
<b>Total number of whole sub-Blocks available:</b>	100





Department of Natural Resources and Mines

Date: 11/04/2014

ABN: 59 020 847 551

Tax invoice

Received from: QLD SHALE GAS PTY LTD  
PO Box 1817  
Aitkenvale QLD 4814  
Australia

Details

Qty	Description	Amount \$	GST	Total \$
1	Exploration Permit for Minerals other than Coal	\$826.00	\$0.00	\$826.00
1	Native title multiple advertisement	\$909.09	\$90.91	\$1,000.00
<b>Amount received</b>				<b>\$1,826.00</b>

Receipt Details

MyMinesOnline Application#: 10000828

Receipt issued by: Department of Natural Resources and Mines

Receipt #: TO327512

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10 March 2014

General Manger  
Mining & Petroleum & Mines  
Department of Natural Resources & Mines  
PO Box 15214  
BRISBANE QLD 4001

Dear Sir/Madam,

**Re: Qld Shale Gas Pty Ltd – Exploration Permit Application**

This firm acts as the accountant and advisor for Qld Shale Gas Pty Ltd (QSG) and also for a number of the major shareholders in QSG.

The QSG shareholders are successful North Queensland businessmen who have the financial capacity to support the initial exploration permit costs and the ability to raise additional funds, as and when required, to cover further costs associated with this project.

A number of the directors associated with the shareholders have also had extensive experience in raising capital from the Australian financial markets in relation to other projects that they have been associated with.

The QSG shareholders and directors are committed to delivering a successful project, one which will benefit the state of Queensland enormously.

Should you have any queries in relation to my comments concerning QSG's financial capacity, kindly do not hesitate to contact me.

Yours faithfully  
**Carey Accountants Pty Ltd**

per: sch 4 - signature

enc:

Ref 267079\_1



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**Rational for Project Financing**  
**Exploration permit for all minerals other than coal**

**COSMO**

**PROJECT FINANCING**

In period 1 of QLD Shale Gas Pty Ltd (QSG) works program rationale, a consultant will be appointed to carry out a desk top other study and a preliminary report on the area of interest and the area which is the subject of the exploration permit application for oil shale. This preliminary report is to assess the estimated size and potential of an oil shale deposit that can be used for valuation and financing purposes. The estimated cost of this report is \$1.5m. Upon the granting of the exploration permit applications, the directors QSG will engage the suitably qualified consultant to prepare the report.

Further funding for the project will be obtained from a range of sources, including, but not limited to, existing QSG shareholders (substantial and successful business men in their own right), a private share placement with companies interested in participating in the project, international investors (including a group in China), the Australian public, through an Australian Securities and Investment Commission (ASIC) approved prospectus and joint venture arrangements with existing operators in this field.

As previously outlined, the QSG management team consists of persons well versed and experienced with raising capital in the Australian capital markets and dealing with international investors. The management team have a clear strategy for the capital raising required for this project and will action that strategy once the applications are granted.

QLD Shale Gas Pty Ltd is well resourced to fund all facets of the initial and early stages of this project, which includes the application process, identification of appropriate and suitably qualified consultants and advisors, discussions with Australian and international investors, preparation of business plans and cash flow projections, legal and court related matters, preparation of an ASIC prospectus for capital raising, and all other associated related matters..

Attached is a financial capability statement from Carey Accountants.

2<sup>nd</sup> April 2014

Department of Natural Resources and Mines  
Mining and Petroleum Operations  
PO Box 1752  
Townsville QLD 4810

Dear Sir/Madam

**Re: Proof of Identity for an application for an exploration permit for all minerals other than coal under the MRA  
Letter of Authority from Queensland Shale Gas Pty Ltd**

As directors of QLD Shale Gas Pty Ltd we authorise Eric James Lollo to represent and act on behalf of QLD Shale Gas Pty Ltd for the application of this exploration permit for all minerals other than coal.

Attached is a copy of a certified drivers licence and credit card for Eric James Lollo.

sch 4 - signature

Phillip Joseph Brennan  
Director  
QLD Shale Gas Pty Ltd

sch 4 - signature

.....  
John Mayford Sexton  
Director  
QLD Shale Gas Pty Ltd

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## Human and Technical Resources

QLD Shale Gas Pty Ltd directors and shareholders are all very experienced and well respected businessmen based in North Queensland. The other shareholders include a high profile civil construction contractor developer, a well-qualified accountant experience in the establishment and management of major projects, producing Australian Securities and Investment Commission (ASIC) approved capital raising documents and company floats and the other is a well-respected North Queensland based lawyer.

The deep exploration for oil shale is new to Queensland. The experience, technology, intellectual property, specially designed drilling equipment (working range up to 300 degrees C) and personnel have to be sourced internationally (America) where over 40,000 holes have been drilled. As this industry develops in Australia consultants and contractors may be sourced locally. We are considering our long term position of owning and operating equipment which may lower costs but increase risk.

The shareholders have appointed a management team to manage the project in its initial phase. As the project develops the management team will appropriately expand to cope with the increase work load and company requirements. The managers will engage an experienced qualified oil shale consultancy firm to advice on the progression of the project, negotiations, agreements, contract preparation and award, contract management and dealings with the Department and Government at the appropriate time.

All consultants and contractors will be experienced, qualified, and use best practises with modern equipment suitable for the conditions to be encountered. We consider the project size will allow for the involvement of several competing consulting, contracting and supply companies which should lower costs and increase productivity. We intend to use Queensland and Australian content where possible.

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You may make an application for an exploration permit electronically using the MyMinesOnline system. Alternatively you may complete the original of this application and submit the application, any attachments and the prescribed fee at a Mines lodgement office.

A tender application is to be lodged in accordance with the instructions contained in the relevant tender document.

The document submitted must first be accepted as an application for an exploration permit under the provisions of section 81 of the Mineral Resources Regulation 2003 before registration.

Note: A document containing information that is false or misleading may attract a maximum penalty of 200 penalty units.

Please read the Mineral and coal exploration guideline (the guideline) before completing this application. Please use a pen, and write neatly using BLOCK LETTERS Cross where applicable

Question 1 - Permit details

1.1 Permit application name (your reference only): Cosmo
1.2 Term of permit: 5 years
1.3 Non tender application: [X] All minerals other than coal, [ ] Coal (conditional surrender only)
1.4 Tender application: [ ] Coal, [ ] Mineral
1.5 General locality of the application: 70 kilometres WSW of Jackson

RTI DL RELEASE - DIRM

RECEIVED
04 APR 2014
DEPARTMENT OF NATURAL RESOURCES AND MINES
TOWNSVILLE

OFFICE USE ONLY
Received at: Townsville
Received by: R. Youngberg
Date: 4/4/14
Time: 9:15 AM
Fees paid: Total \$1826
Payment Method: Cheque
Receipt Number:
Receiving officer: R. Youngberg
Signed: sch 4 - signature Date: 9/4/14



**Question 2 – Permit holder details (if more than two holders provide a separate attachment)**

**2.1 Authorised holder (Principal holder)**

Company name / surname:	QLD Shale Gas Pty Ltd		
Given name (if individual):		ACN/ARBN:	ACN 164 794 227
Address:	Po Box 1817		
Town/City:	Aitkenvale	State:	QLD Postcode: 4814
Country:	Australia	Phone no.:	sch 4 - mobile phone
Email:	eric@qld-oilshale-group.com.au		
<input type="checkbox"/> Sole tenant	Percentage holding:	100	%

**2.2 Other holders (if applicable)**

Company name / surname:			
Given name (if individual):		ACN/ARBN:	
Address:			
Town/City:		State:	Postcode:
Country:		Phone no.:	
Email:			
<input type="checkbox"/> Tenants in common	<input type="checkbox"/> Joint tenants	Percentage holding:	%

**2.3 Authorised holder representative (authorised person to act as contact for this permit)**

Name:	Eric James Lollo		
Contact:	sch 4 - mobile phone		
Address:	PO Box 1817		
Town/City:	Aitkenvale	State:	QLD Postcode: 4814
Country:	Australia	Phone no.:	sch 4 - mobile phone

**Attachments required:**

- Proof of identity for each holder
- Letter of authority from holders for authorised holder representative to act on behalf of holders for this permit (not required for sole holder)

OFFICE USE ONLY		
Q2 – Permit holder details		
Check attachment	Yes	No
Details provided for holder	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Proof of identity	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Letter of authority for AHR	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(If NO for 1-3 above) Advise holder that documents must be attached before application can be lodged.		<u>Initial</u>

**Question 3 – Details of area (Q3 is not required for tender applications. Refer to the relevant tender document)**  
**List the required blocks and sub-blocks (attach additional pages if necessary).**

BIM & block	ALL	a	b	c	d	e	f	g	h	j	k	l	m	n	o	p	q	s	t	u	v	w	x	y	z
COOP 3284	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COOP 3285	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COOP 3286	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COOP 3287	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total number of sub-blocks																					<b>100</b>				

**Attachments required:**

- Map of proposed permit area

**Question 4 – Land availability** (Q4 is not required for tender applications. Refer to the relevant tender document)

4.1 Does the area have any sub-blocks that are non-contiguous (are not adjacent to at least one other sub-block)?

Yes  No

If yes, please supply a non-contiguous statement: detailing how the work program can be carried out using competent and efficient mineral exploration practices.

Attached

4.2 Does the area exceed 100 sub-blocks for EPM or 300 sub-blocks for EPC? (the maximum number defined in legislation)?

Yes  No

If yes, please supply an excess area statement: about why you require more than the maximum number of sub-blocks defined in the legislation.

Attached

4.3 Please confirm that you have undertaken a land availability search and that you recognise that areas overlapping with this application may be excluded from the permits area.

Yes  No

OFFICE USE ONLY		
<b>Q3 –Details of area</b>		
Check attachment	Yes	No
Map of application area	<input checked="" type="checkbox"/>	
<b>Q4 –Land availability</b>		
Check attachment	Yes	No
Is the application for 4 or fewer sub-blocks in an RA?		<input checked="" type="checkbox"/>
Statement for non-contiguous application	N/A	
Statement for excess application area	N/A	
Rationale for conditional surrender	N/A	
Consent from all holders to surrender	N/A	
<b>If (NO) Advise holder that documents must be attached before application can be lodged.</b>		Initial

**Conditional surrender**

4.4 Are you seeking to surrender a granted exploration permit in favour of whole or part of this application?

Yes  
See below attachment requirements, then go to question 4.5

No  
Go to question 5

4.5 Please list exploration permit/s below. You will also need to attach a statement detailing the rationale

Permit number	Expiry date
	/ /
	/ /
	/ /

**If yes to above, the following attachments are required:**

Rationale for conditional surrender

Consent from all holders of exploration permit to conditionally surrender



**Question 5 – Environmental authority (Step 5 of the guideline)**

5.1 Please tick what type of environmental authority will be attached to this application (Q5.1 is not required for tender applications. Refer to the relevant tender document. Please go to Q5.2)

Standard application for an environmental authority	<input checked="" type="checkbox"/>
Variation application for an environmental authority	<input type="checkbox"/>
Site specific application for an environmental authority	<input type="checkbox"/>
Amendment to an environmental authority	<input type="checkbox"/>
The area is covered by an environmental authority application submitted today for another permit application.	<input type="checkbox"/>
Previous application number:	
This application complies with the small scale mining activity criteria as set out in Schedule 4 of the <i>Environmental Protection Act 1994</i> for exploration permits. (No environmental authority application is required for this application) <b>Go to Question 6.</b>	<input type="checkbox"/>

OFFICE USE ONLY		
<b>Q5 – Environmental authority</b>		
Check attachment	Yes	No
EA application or amendment form	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Environmental sensitive area map	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Q6 – Native title</b>		
	Yes	No
Has NT process been selected?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If expedited – applicant has completed Q6.3-6.4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ILUA documents attached if applicable.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(If NO) Advise holder that documents must be attached before application can be lodged.		Initial

5.2 Are all proposed permit holders a registered suitable operator?

Yes       No Go to question 5.3

If yes, supply suitable operator number(s)

QLD Shale Gas Pty Ltd	Reference No. 717945

5.3 Have you made an application to the Department of Environment and Heritage Protection to be a registered suitable operator under the *Environmental Production Act 1994*?

Yes       No

5.4 If no, please attach an application to become a registered suitable operator.

<b>Attachments required: (not required for tender applications)</b>	
Environmental authority application form (if applicable)	<input type="checkbox"/>
Environmental sensitive area map (if applicable)	<input type="checkbox"/>
Registered suitable operator application form (if applicable)	<input type="checkbox"/>

**Question 6 – Native title** (Step 6 of the guideline) (Q6 is not required for tender applications, refer to the relevant tender document)

Please ensure that you have read and understood the *Guide to the native title process* and supporting policies

6.1 Please elect which native title process you wish to undertake.

<b>Option 1</b>	Exclusive	No native title process is required as I have determined that less than 10% of the permits area is native title land. I understand that the area subject to native title will be excluded from the permits area.	<input type="checkbox"/> (Go to Q7)
<b>Option 2</b>	Expedited *	Advertising cost required	<input checked="" type="checkbox"/> (Q6.2-6.4 must be completed)
<b>Option 3</b>	Expedited * and ILUA (existing, private or state ILUA)	Advertising cost required Name:            or Number:	<input type="checkbox"/> (Q6.2-6.4 must be completed)
<b>Option 4</b>	Right to negotiate	Advertising cost required	<input type="checkbox"/> (Q6.2 - 6.4 must be completed)
<b>Option 5</b>	Right to negotiate and ILUA (existing, private or state ILUA)	Advertising cost required Requires monthly updates be submitted to the department (for new private ILUA)	<input type="checkbox"/> (Q6.2-6.4 must be completed)
<b>Option 6</b>	New Private ILUA	Requires monthly updates be submitted to the department	<input type="checkbox"/> (Go to Q7)
<b>Option 7</b>	Opt into existing private ILUA	Name:            or Number:	<input type="checkbox"/> (Go to Q7)
<b>Option 8</b>	State ILUA	Name:	<input type="checkbox"/> (Go to Q7)

\* Native title protection conditions apply

<b>Attachments required:</b>	<input type="checkbox"/>
Private ILUA or extract of private ILUA (Option 5,7)	<input type="checkbox"/>
Opt in deed for ILUA (Option 5,7,8)	<input type="checkbox"/>

6.2 If you have selected an expedited process please confirm the following statements:

I agree that no activities that cause major ground disturbance will be undertaken on this permit e.g. bulk sampling.	<input checked="" type="checkbox"/>
I agree to and accept to the <b>Native title protection conditions</b> .	<input checked="" type="checkbox"/>

6.3 If you have elected to undertake a native title option that requires advertising, please select which advertising method you wish to undertake from one of the options below:

Multiple advertisement (batched advertising) \$1000.00	<input checked="" type="checkbox"/>
Single advertisement \$3000.00	<input type="checkbox"/>
I agree to my application being advertised with the expedited or right to negotiate native title process *	<input checked="" type="checkbox"/>

\* The department will provide you a copy of the advertisement prior to publication.

6.4 If a refund of the native title advertising fee is required please select one of the following:

Please credit this to my first years rental	<input type="checkbox"/>
Please refund the fee to the authorised holder by cheque	<input checked="" type="checkbox"/>



**Question 7 – Work program (Step 7 of the guideline)**

Complete the work program template with details of activities to be undertaken including expenditure for the term you are applying for (attach additional pages if necessary). Tenderers refer to the relevant tender document for additional requirements.

(A list of the exploration work program disciplines and activities can be viewed in the EP user guide)

Year	Discipline	Activity	Total quantity	Number of units (if appropriate)	Scale	Total cost
	(e.g. Desktop studies, mapping, remote sensing, geochemistry, drilling)	(e.g. Gravity data reprocessing, soil sampling, types of drilling (diamond, hammer)	(e.g. Days, meters, samples, line kilometres)	(e.g. Holes, lines)	(Ground base regional, prospecting, airborne prospecting)	\$10,000
1.	Desktop studies	Other studies	N/A	N/A	Regional	\$30,000
Year	Discipline	Activity	Total quantity	Number of units (if appropriate)	Scale	Total cost
2.						

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Year	Discipline	Activity	Total quantity	Number of units (if appropriate)	Scale	Total cost
3.	Desktop studies	Siesmic data reprocessing	N/A	N/A	Regional	\$100,000
	Desktop studies	Interpretation Studies	N/A	N/A	Regional	\$100,000
Year	Discipline	Activity	Total quantity	Number of units (if appropriate)	Scale	Total cost
4.	Drilling	Large diameter	2500m	1	Ground based	\$5,500,000
Year	Discipline	Activity	Total quantity	Number of units (if appropriate)	Scale	Total cost
5.	Desktop studies	Interpretation studies	N/A	N/A	N/A	\$50,000

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<b>Attachments required:</b>	
Rationale for the work program - overall and for years 1 and 2 – see the guideline template for further information	<input checked="" type="checkbox"/>
Research - Government sourced analysis. (May include QDEX reference number) (if applicable)	<input checked="" type="checkbox"/>
Privately sourced or developed research analysis (if applicable)	<input checked="" type="checkbox"/>

### Question 8 – Financial and technical capability

8.1 Please tick one of the below statements and attach the required financial and technical documents and statements according to your exploration history. Tenderers refer to the relevant tender document for additional requirements.

<p><b>I/we have more than 5 years exploration history in Queensland with a good compliance record.</b> <input type="checkbox"/></p> <p><b>Financial information:</b> Financial capability statement</p> <p>Details of other financial commitments in relation to exploration activity in Queensland <input type="checkbox"/></p> <p><b>Technical information:</b> Technical capability statement</p> <p>Details of other human / technical resource commitments in relation to exploration activity in Queensland <input type="checkbox"/></p> <p>Third party declaration (if a third party is providing resources for your work program) <input type="checkbox"/></p>	<p><b>I/we have less than 5 years compliance and exploration history in Queensland or do not wish to rely on my/our history.</b> <input checked="" type="checkbox"/></p> <p><b>Financial information:</b> Financial capability statement</p> <p>Supporting evidence <input checked="" type="checkbox"/></p> <p>Details of other financial commitments in relation to exploration activity in Queensland <input checked="" type="checkbox"/></p> <p><b>Technical information:</b> Technical capability statement</p> <p>Details of other human / technical resource commitments in relation to exploration activity in Queensland <input checked="" type="checkbox"/></p> <p>Third party declaration (if a third party is providing resources for your work program) <input checked="" type="checkbox"/></p> <p>Supporting evidence <input type="checkbox"/></p>
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OFFICE USE ONLY		
<b>Q7 –Work program</b>		
Check attachment	Yes	No
Rationale for work program	✓	
Government sources analysis (if applicable)	N/A	
Privately sourced or developed research analysis (if applicable)	N/A	
<b>(If NO) Advise holder that documents must be attached before application can be lodged.</b>		<b>Initial</b>
<b>Q8 – Financial and technical capability</b>		
Check attachment	Yes	No
Financial capability statement	✓	
Supporting evidence (if applicable)	✓	
Financial commitments for other exploration	✓	
Technical capability statement	✓	
Human/technical resource commitments	✓	
Third party declaration (if applicable)	N/A	
Supporting evidence (if applicable)	N/A	
<b>(If NO) Advise holder that documents must be attached before application can be lodged.</b>		<b>Initial</b>

RTI DIVERGENCE - DNRM

**Question 9 –Obligations and declaration**

**WARNING:** Giving false or misleading information is a serious offence.

- I have read and understood the **Mineral and coal exploration guideline**.
- I understand my obligations as an applicant/holder for an exploration permit.
- I have truthfully declared all relevant details requested of me in this application.
- If any part of this form has been completed with the assistance of another person, I declare that the information as set down is true and correct and has been included with my full knowledge, consent and understanding.

Signature 1:  Signature 2:

Print name:  Print name:

Position:  Position:

(if additional signatures, attach a separate piece of paper)

**Witnessed statement:**

**I was present and viewed the signing of this form by the holder(s).**

Name:

Address:

Town/City:  State:  Postcode:

Phone no.:

Signature of witness:  Date:

**Question 10 – Payment** (Tender applicants refer to the relevant tender document for more information about payment)

<b>Permit application</b>	Application fee (All minerals other than coal) <input checked="" type="checkbox"/>	Coal <input type="checkbox"/>
<b>Environmental authority</b>	Standard, Variation, Site Specific application <input checked="" type="checkbox"/>	
	Amendment application fee <input type="checkbox"/>	
<b>Native title</b>	Multiple advertisement (batched advertising) <input checked="" type="checkbox"/>	Single advertisement <input type="checkbox"/>

**Disclaimer**

The Queensland Government is collecting information provided on and with this form to assess the suitability of the application for exploration permit under the *Mineral Resources Act 1989* (the Act). This information is authorised by sections 133, 387 of the Act. Some or all of this information may be provided to other agencies of the Queensland Government for issuing an environmental authority, to make register searches, extracts or copies under section 387B of the Act or to make other approvals as required under the Act. Your personal information will not otherwise be disclosed to any other third party without your consent, unless authorised or required by law.

**Question 11 – Additional documents for tender applications only**

**For tender applications the following must also accompany this completed application form when lodged. Please refer to the relevant tender document for more information.**

	Please Tick
<p>Details of the proposed consultation to be undertaken with owners and occupiers of land.</p> <ul style="list-style-type: none"> <li>• Details must be provided about how and when the applicant proposes to consult with, and keep informed, owners and occupiers of land on which the activities contained within the work program are proposed to be carried out.</li> </ul>	<input type="checkbox"/>
<p><i>(Where applicable)</i> Details that address the special criteria. (refer to the checklist contained in the tender document)</p> <ul style="list-style-type: none"> <li>• <i>(Where applicable)</i> Please provide details that address the special criteria.</li> </ul>	<input type="checkbox"/>
<p>Details about each tenderer's ability to meet the capability criteria.</p> <ul style="list-style-type: none"> <li>• Indicate the experience of each applicant in exploration and production, addressing whether each applicant:                             <ul style="list-style-type: none"> <li>○ Currently holds a resources tenure; or</li> <li>○ Has previously held a resources tenure within Queensland; or</li> <li>○ Has previously held, or currently holds a resources tenure outside Queensland; or</li> <li>○ Has not previously held a resources tenure.</li> </ul> </li> </ul> <p><i>(If a tenderer currently holds a resource tenure, or has previously held a resources tenure, please attach details of this tenure. If a tenderer has never held a resource tenure, please attach details of the directors and their experience in running companies previously under their directorships, or attach a general summary containing details of the tenderer's previous work history.)</i></p>	<input type="checkbox"/>
<p><i>(Where applicable)</i> Specific requirements stated in the Land Release/Tender Notice (refer to the checklist contained in the tender document)</p>	<input type="checkbox"/>

RTI DL RELEASE - DRAFT



## Question 12 - Registration for MyMinesOnline - Optional

Do you wish to register for the MyMinesOnline system? This will enable you to conduct an increasing number of transactions for your permits online.

Yes  No

If yes, please provide your email address

Email:

- You will also need to attach to this application certified copies of two identification documents as proof of identification.

**Note: The Department will send you registration information to this email.**

Tick what forms of ID documents you are attaching. Applicants must attach one from column A and one from column B.

Column A		Column B	
<input checked="" type="checkbox"/>	Australian drivers licence (current and original)	<input type="checkbox"/>	Medicare card, Centrelink Department of Veterans Affairs card
<input type="checkbox"/>	Australian passport (current)	<input type="checkbox"/>	Change of name certificate
<input type="checkbox"/>	Firearms licence (current and original)	<input checked="" type="checkbox"/>	Credit or account card or bank passbook
<input type="checkbox"/>	Foreign passport	<input type="checkbox"/>	Security guard/crowd control licence
<input type="checkbox"/>	Current Queensland Government public service ID card with photo and signature	<input type="checkbox"/>	BDM issued marriage certificate
<input type="checkbox"/>	Current commonwealth public service ID card with photo and signature	<input type="checkbox"/>	Tertiary ID card (less than one year old and issued by an Australian university only)
		<input type="checkbox"/>	Council rates notices
		<input type="checkbox"/>	Letter from employer
		<input type="checkbox"/>	Telephone directory
		<input type="checkbox"/>	Electoral roll

RTI DL RELEASE UNDER OIA

as or Gas Show

Rec	Well ID	Well Type	Operator	Well Name	Result	Total Depth (m)	Total Depth (ft)	Rig Release Date	Hylog Release Date	Latitude	Longitude	Company Report Number	Publication Reference
<a href="#">1</a>	67937	DEVELOPMENT	SSL	LEPARD 2	GAS	2878	9442.26	22-Apr-13		27 50 9	141 44 8		
<a href="#">2</a>	59391	DEVELOPMENT	SSL	BARYULAH 8	GAS	2622.8	8604.99	4-Oct-05		27 44 17	141 50 3	<a href="#">42145</a>	
<a href="#">3</a>	57574	EXPLORATION	SSL	WINNINIA NORTH 1	GAS	2439.92	8004.99	29-Oct-99		27 48 50	141 53 16	<a href="#">31908</a>	
<a href="#">4</a>	58291	EXPLORATION	SSL	ACRUS 1	GAS	2790	9153.54	12-May-02		27 43 20	141 50 21	<a href="#">33761</a>	
<a href="#">5</a>	61806	DEVELOPMENT	SSL	VEGA 3	GAS	2803.55	9198	22-Nov-08		27 43 8	141 51 49		
<a href="#">6</a>	59113	DEVELOPMENT	SSL	WELLINGTON 5	GAS	2503.93	8214.99	6-Dec-04		27 44 20	141 51 55	<a href="#">38723</a>	
<a href="#">7</a>	60862	DEVELOPMENT	SSL	WELLINGTON 6	GAS	2659.68	8725.98	3-Dec-07		27 44 27	141 52 21	<a href="#">52181</a>	
<a href="#">8</a>	59047	APPRAISAL	SSL	WINNINIA NORTH 3	GAS	2453.64	8050	2-Oct-04		27 49 33	141 52 44	<a href="#">38520</a>	
<a href="#">9</a>	59135	EXPLORATION	SSL	COSMO WEST 1	GAS	2610.31	8564.01	23-Nov-04		27 47 23	141 50 6	<a href="#">38705</a>	
<a href="#">10</a>	59655	DEVELOPMENT	SSL	BARYULAH 1 1	GAS	2599.64	8529	20-Oct-06		27 45 10	141 50 33	<a href="#">45981</a>	
<a href="#">11</a>	59363	DEVELOPMENT	SSL	BARYULAH 7	GAS	2619.76	8595.01	12-Sep-05		27 45 5	141 51 25	<a href="#">40823</a>	
<a href="#">12</a>	66965	DEVELOPMENT	SSL	BARYULAH 1 4	GAS	2718.8	8919.95	26-Mar-13		27 45 22	141 52 11		
<a href="#">13</a>	50048	EXPLORATION	SSL	BARYULAH EAST 1	GAS	2648.4	8688.96	23-Nov-94		27 45 13	141 52 35	<a href="#">28032</a>	
<a href="#">14</a>	58153	DEVELOPMENT	SSL	VEGA 2	GAS	2889.5	9479.99	2-Jul-01		27 43 13	141 52 58	<a href="#">33560</a>	
<a href="#">15</a>	58884	EXPLORATION	SSL	HEBE 1	GAS	2549.96	8366.01	22-Jan-04		27 43 47	141 57 29	<a href="#">37230</a>	
<a href="#">16</a>	50276	APPRAISAL	SSL	BARYULAH 2	GAS	2602.69	8539.01	20-Oct-95		27 44 17	141 49 54	<a href="#">28866</a>	
<a href="#">17</a>	59412	DEVELOPMENT	SSL	BARYULAH 9	GAS	2641.7	8666.99	20-Oct-05		27 46 33	141 50 48	<a href="#">42582</a>	
<a href="#">18</a>	58178	DEVELOPMENT	SSL	BARYULAH 5	GAS	2667	8750	29-Jul-01		27 45 17	141 51 54	<a href="#">33264</a>	
<a href="#">19</a>	59388	DEVELOPMENT	SSL	WINNINIA NORTH 4	GAS	2433.83	7985.01	14-Sep-05		27 48 13	141 52 56	<a href="#">42117</a>	
<a href="#">20</a>	57318	EXPLORATION	SSL	VEGA 1	GAS	2869.4	9414.04	17-Nov-97		27 43 22	141 53 13	<a href="#">31015</a>	
<a href="#">21</a>	58551	APPRAISAL	SSL	WELLINGTON 2	GAS PLUS DIL SHOW	2779.77	9119.98	8-Nov-03		27 42 58	141 51 50	<a href="#">36749</a>	
<a href="#">22</a>	59471	DEVELOPMENT	SSL	BARYULAH 1 0	GAS	2665.17	8744	31-Dec-05		27 45 20	141 52 42	<a href="#">43055</a>	
<a href="#">23</a>	50232	EXPLORATION	SSL	WINNINIA 1	GAS	2275.64	7468.01	13-Dec-94		27 51 21	141 50 8	<a href="#">28027</a>	
<a href="#">24</a>	1349	EXPLORATION	DIO	BARYULAH 1	GAS	2572.5	8439.96	9-Dec-84		27 45 15	141 50 24	<a href="#">14348</a>	
<a href="#">25</a>	58135	DEVELOPMENT	SSL	BARYULAH 4	GAS	2673	8771	6-Jun-01		27 45 6	141 52 23	<a href="#">33105</a>	

1 Zoom to these records

RTI DL RELEASE UNDER DNDPM

Oil or Oil Show

Rec	Well ID	Well Type	Operator	Well Name	Result	Total Depth (m)	Total Depth (ft)	Rig Release Date	Hylog Release Date	Latitude	Longitude	Company Report Number	Publication Reference
<u>1</u>	58551	APPRAISAL	SSL	WELLINGTON 2	GAS PLUS OIL SHOW	2779.77	9119.98	8-Nov-03		27 42 58	141 51 50	36749	
<u>2</u>	58993	EXPLORATION	SSL	LEPARD 1	OIL	2827.33	9276.02	12-Nov-06		27 49 38	141 43 55	46374	REPORT BODY DEPTHS GIVEN IN FEET ALL DEPTHS HAVE BEEN CONVERTED TO METRES

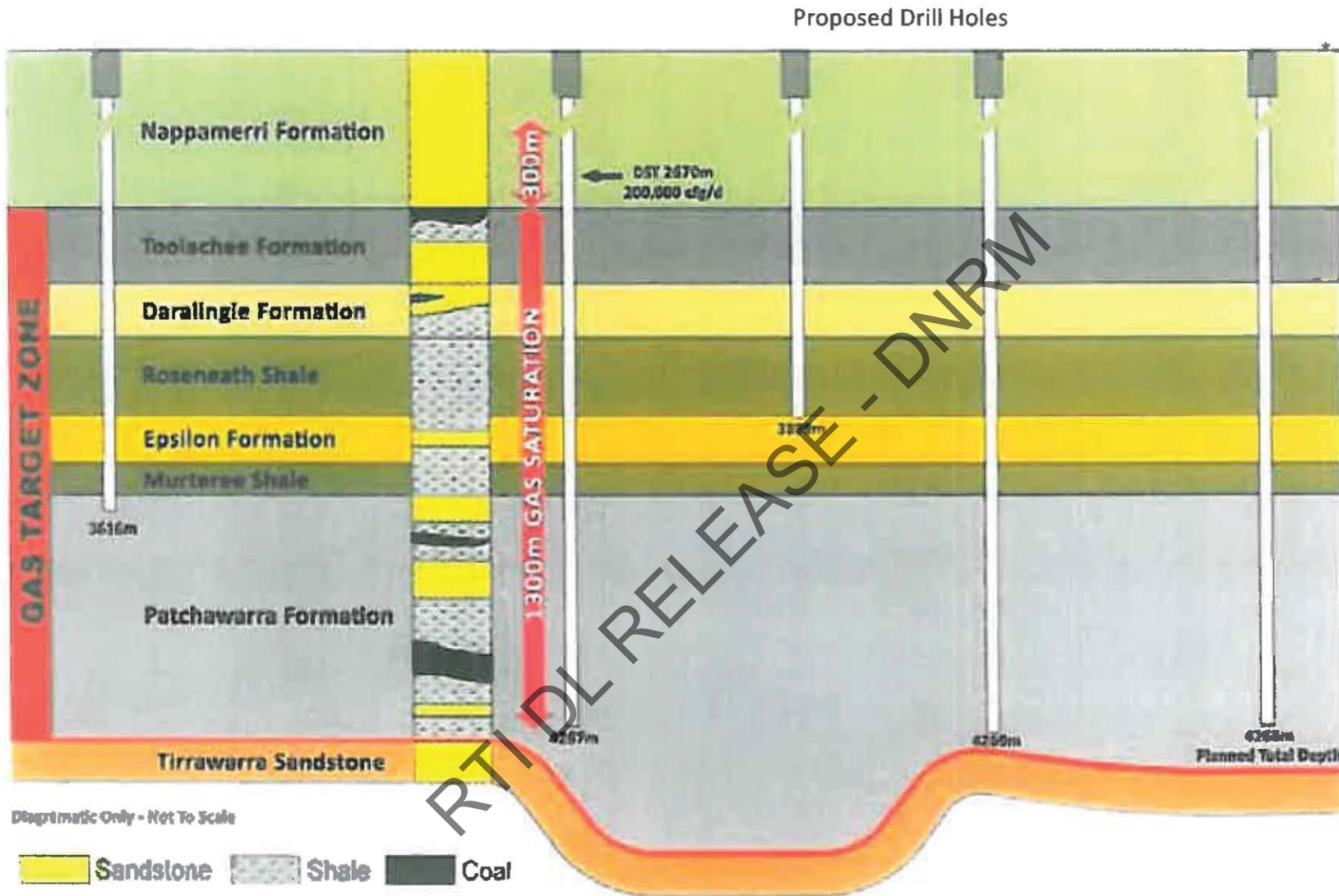
Link to these records

RTI DL RELEASE - DNRM

## Seismic Line

Rec	Name	Survey Name	Operator	Completion Date	Line Key	Line	Year	Survey Number	Length (Kilometer)	Company Report Number
<a href="#">1</a>	80-KET	BRANSBY	DIO	31/12/1980	22105	80-KET	1980	80007	1784	<a href="#">12684</a>
<a href="#">2</a>	94-FHY	CUNNINGHAM	SSL	13/01/1995	31485	94-FHY	1995	94001	1332	<a href="#">30608</a>
<a href="#">3</a>	84-SGJ	BRAHE	DIO	31/12/1985	12659	84-SGJ	1985	85010	7634	<a href="#">16024</a>
<a href="#">4</a>	99-JKJ	SQ98	SSL	13/10/1998	38865	99-JKJ	1998	95100	903	<a href="#">31109</a>
<a href="#">5</a>	99-JKK	SQ99	SSL	11/11/1999	33014	99-JKK	1999	95108	2562	<a href="#">32304</a>
<a href="#">6</a>	97-HXK	SQ97 (2D-1767KM; 3D-1599KM)	SSL	12/01/1998	32632	97-HXK	1998	95066	3366	<a href="#">31073</a>
<a href="#">7</a>	97-HYK	SQ97 (2D-1767KM; 3D-1599KM)	SSL	12/01/1998	32653	97-HYK	1998	95066	3366	<a href="#">31073</a>
<a href="#">8</a>	97-HYG	SQ97 (2D-1767KM; 3D-1599KM)	SSL	12/01/1998	32650	97-HYG	1998	95066	3366	<a href="#">31073</a>
<a href="#">9</a>	94-EWB	CUNNINGHAM	SSL	13/01/1995	32317	94-EWB	1995	94001	1332	<a href="#">30608</a>
<a href="#">10</a>	82-QPR	BREAKFAST CREEK	DIO	31/12/1982	22691	82-QPR	1982	82011	1386	<a href="#">14204</a>
<a href="#">11</a>	90-GDM	OXLEY	DIO	31/12/1991	19953	90-GDM	1991	90002	1776	<a href="#">23106</a>
<a href="#">12</a>	90-GDN	OXLEY	DIO	31/12/1991	26181	90-GDN	1991	90002	1776	<a href="#">23106</a>
<a href="#">13</a>	87-FDP	LANGAN	DIO	31/12/1987	17253	87-FDP	1987	87017	2265	<a href="#">20931</a>
<a href="#">14</a>	97-HYP	SQ97 (2D-1767KM; 3D-1599KM)	SSL	12/01/1998	32657	97-HYP	1998	95066	3366	<a href="#">31073</a>
<a href="#">15</a>	74-C28A	COONABERRY	AAP	31/12/1974	3112	74-C28A	1974	74005	105	<a href="#">5085</a>
<a href="#">16</a>	94-FHZ	CUNNINGHAM	SSL	13/01/1995	31487	94-FHZ	1995	94001	1332	<a href="#">30608</a>
<a href="#">17</a>	85-YYQ	BECKER	DIO	31/12/1985	12337	85-YYQ	1985	85003	6034	<a href="#">16924</a>
<a href="#">18</a>	97-HXL	SQ97 (2D-1767KM; 3D-1599KM)	SSL	12/01/1998	32633	97-HXL	1998	95066	3366	<a href="#">31073</a>
<a href="#">19</a>	94-ETS	CUNNINGHAM	SSL	13/01/1995	26530	94-ETS	1995	94001	1332	<a href="#">30608</a>
<a href="#">20</a>	94-EWH	CUNNINGHAM	SSL	13/01/1995	32318	94-EWH	1995	94001	1332	<a href="#">30608</a>
<a href="#">21</a>	67-OBH	TICKALARA	FPC	31/12/1967	2435	67-OBH	1967	67006	549	<a href="#">2174</a>
<a href="#">22</a>	83-NWW	GRAY	DIO	31/12/1984	23475	83-NWW	1984	84022	6967	<a href="#">15494</a>
<a href="#">23</a>	95-FWZ	KENNEDY	SSL	30/10/1995	32259	95-FWZ	1995	95017	2249	<a href="#">30576</a>
<a href="#">24</a>	83-NXB	GRAY	DIO	31/12/1984	23480	83-NXB	1984	84022	6967	<a href="#">15494</a>
<a href="#">25</a>	83-NXA	GRAY	DIO	31/12/1984	23479	83-NXA	1984	84022	6967	<a href="#">15494</a>

3 Zoom to these records



Section schematic showing the position of the proposed drill holes relative to the formations penetrated within the area of interest

### Section of Cooper Basin for Area of Interest



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**Rational for Human and Technical Resources  
Exploration permit for all minerals other than coal**

**COSMO**

**Management Team**

**Eric James Lollo (Managing Director / Shareholder)**

Eric Lollo has been self-employed since 1991, when he established a plumbing business in Townsville. Experience gained from this business allowed for the establishment of NQ Excavations Pty Ltd (NQE) in 1997. NQE specializes in the installation of pipelines and construction of sewerage pump stations. Whilst NQE has undergone a name change and a change in directors it is still operating today under Eric's experience and guidance, as both co-owner and director.

Eric brings his considerable experience in pipeline construction which was gained through many drainage construction projects performed in North Queensland, the Northern Territory and the Torres Straits. His supervisory skills and construction experience ensure that all work undertaken by NQE is to a high standard and programed to be completed within the construction period.

In 1996, Eric incorporated his first development company and since its inception has project managed and constructed unit developments, industrial properties and shopping centres in Townsville. Eric currently holds financial interests ranging from industrial land development and shopping centre ownership to residential investment properties.

In 2006, Eric became a major shareholder of a research and development company developing world leading "state of the art" technology in the alternate bio-fuel sector. He also holds the position of alternate director.

**Robert Michael Carey (Director / Shareholder)**

Mr Carey has 35 years in public practice and is the Senior Partner of the North Queensland public accountancy practice Carey Accountants Pty Ltd specialising in taxation, management and finance.

Robert is Chairman of North Queensland Bio-Energy Corporation Limited (NQBE), the company which has received all of the Federal, State and local development approvals for the construction of a \$520m sugar cane based facility in Ingham, North Queensland. He has been responsible for raising the capital necessary for the project and also enticing equity partners to the project.

His role at NQBE, Mr Carey is responsible for ASIC corporate secretarial compliance and related matters, assists in the financial management responsibilities for the company's affairs, attends to employee employment and consultants agreements, negotiates the terms and conditions of the company's property leases, communicates with sugar industry representatives and assists with overall company direction and policy.



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Robert is also Chairman of Ethanol Technologies Limited (Ethtec) which is commercialising the second generation "cellulosic" technology in Australia. Ethtec is considered a world leader in the second generation cellulosic commercialisation race. Robert and a fellow director have been responsible for raising all the capital necessary for this project.

Robert is a registered company Auditor with the Australian Securities and Investment Commission (ASIC), a member of the Australian Institute of Company Directors, is the Chief Executive Officer of the Carey Family Group of companies and is a Director of various other non-related private companies.

**Phil Brennan (Director / Shareholder)**

Phillip Brennan is the co-owner and director of a construction, equipment hire and development companies and has over 27 years hands on experience as a project and construction manager. He has managed and delivered projects in construction and mining industries throughout Queensland.

Projects Phil has successfully delivered range from building major infrastructure in remote communities and townships in western and far north Queensland and Torres Strait to projects in refineries and local government councils. He has a proven record of delivering major projects within budget and timeframes. He also has extensive pipeline construction experience involving all types of pipework and structures. He leads by example and provides a positive work ethic for others to follow.

With key strengths in construction programming, planning, coordination and supervision of works, he displays natural leadership qualities and creates good working relationships. He takes a "can do" approach to any and all challenges, with a willingness to undertake training and development and a commitment to environmental and work place health and safety in the work place.

**John Mayford Sexton (Director / Shareholder)**

John Sexton has been Managing Director of Sexton Developments Pty Ltd since incorporation in 1984.

Sexton Developments Pty Ltd is a civil construction and development company that has developed and constructed major works on the Bruce Highway, upgrading and lengthening of the Tonga and Port Villa international runways (JV partner with Boral Asphalt), upgrading east coast Queensland island aircraft runways and several thousand residential, rural and industrial lots including golf courses and recreational facilities in North Queensland.

Sexton Developments Pty Ltd constructed and was a major shareholder of Rosshaven Marine (Townsville) the largest privately owned and operated travel lift boat repair facility on the east coast of Australia.

Sexton Developments Pty Ltd has owned, developed and operated large furrow and trickle irrigated cane farms in the Burdekin District.

He was the applicant for the Hadleigh Castle exploration permit, Charters Towers District. The Sexton Group carried out the initial exploration and drilling of this exploration permit at the Hadleigh Castle. Union Oil and Ashton Mining became JV partners to develop a 2 million tonne per gold mining operation on the project mining lease.

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**Rational for Exploration**  
**Exploration permit for all minerals other than coal**

**COSMO**

QLD Shale Gas Pty Ltd (QSG) proposes an exploration program for oil shale in the Cooper Basin (Queensland) that may lead to the discovery of a large standalone oil shale deposit.

The area of interest (refer to attached locality plan) of this standalone oil shale deposit, requires QSG to make multiple exploration permit applications for all minerals other than coal.

A standalone project allows for a well-managed orderly development of the permit area, provides market and cost advantage, proper infrastructure planning, and proper development, financing and risk management.

Oil shale is the high priority target mineral.

So far as we are aware there has not been any or even a pilot program for oil shale exploration in the Cooper Basin, Queensland. QSG initial evaluation indicated that our proposed area of interest for an oil shale resource has the potential to significantly contribute to Queensland energy portfolio. The most economically viable locations for oil shale exploration are onshore sedimentary basins containing existing conventional petroleum production that already host existing infrastructure.

Our research shows that no mineral tenure has ever been granted over our area of interest and the area is available land for applications for an exploration permit for all minerals other than coal under the MRA.

Our application rationale, exploration model, works program, financial and technical capability is based on or termed Greenfield exploration.

Successful exploration for oil shale by QSG would develop a new industry in Queensland creating investment, infrastructure, diversification and employment.

A significant standalone oil shale deposit would attract international companies that can provide QSG with the latest drilling equipment, oil shale exploration technologies, experienced personnel, investment and experience to explore for oil shale.

Research by QSG and their consulting geoscientist, geologist and geophysicist together with information gathered from QDEX reports, ASX company reports and Queensland Government reports have identified the area marked on the locality plan (area of interest) has high potential for the successful exploration for oil shale and for the discovery of a large oil shale deposit in the Cooper Basin, particularly within the Cosmo application.

QSG has been incorporated by interested parties to explore for oil shale in the Cooper Basin. The shareholders are all very experienced and well respected business men based in North Queensland.

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## Rationale for Exploration Model

The Cooper Basin stands out as the most prospective and commercially viable region in Queensland for oil shale exploration.

The proposed area of interest recommended by our consultants is considered to have highest potential for successful oil shale exploration in the Cooper Basin. This area of interest is only a small part of the 130,000 km<sup>2</sup> Cooper Basin.

The exploration techniques, technology, drilling equipment and experienced/qualified personnel required for oil shale exploration was pioneered in America in shale and other rock formations in many basins.

As mentioned previously there has not been any exploration for oil shale in the Cooper Basin. A review was carried out of key parameters that make a geological formation with source rock potential an oil shale exploration target in deeper parts of sedimentary Cooper Basin. This review identified the Toolachee, Roseneath, Epsilon, Murteres and Patchawarra formations and Nappameri Trough within our application area be specifically targeted for oil shale exploration.

Exploration for oil shale by QSG will be by way of drilling.

QSG has been advised that the most prospective locations of greatest potential for oil shale exploration drill holes may be determined from existing petroleum wells and seismic data extracted from QDEX reports and company announcements. This information and drilling data may be incorporated into an oil shale model.

QSG will commission a report to assess and evaluate the potential of the key formations as oil shale targets from existing petroleum well and seismic data. This report will include a degree of potential and a rating for each proposed drill hole. A drill hole is proposed for each application.

The report will determine the sequence in the drilling of these holes. The information received from each drill hole will be processed into the exploration model to determine the following sequence of drill holes that will expand or confirm an oil shale ore body.

Unsuccessful drilling may confirm areas in our application that can be surrendered.

Areas in our application that overlap other resource permits or unavailable land may be considered by the Department to be unavailable land. QSG will make an application (S176A of the MRA) to add excluded land to the granted exploration permit. QSG will negotiate with the other resource permit holders to coordinate programed mineral exploration activities. These coordinated arrangements will be submitted to the Minister for approval.

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## Works Program

Deep exploration for oil shale ore bodies in the Permian sediments is new to Queensland. The exploration drilling for oil shale in the exploration permits will require specialised drilling equipment capable of drilling to approximately 3500 metres in temperatures to 300° C. This specialised equipment may have to be sourced from international contractors. The availability of these contractors will depend on their work commitments and our commitment of contract work continuity. Continuous exploration may result in cost savings of 20 – 40%. Queensland and Australian consultants and contractors will be engaged in the oil shale exploration if equipped, qualified and experienced.

A Director of QSG has had a preliminary meeting with Halliburton Co Australia in Brisbane to discuss their possible involvement in oil shale exploration in the Cooper Basin. The size and potential of the exploration area suits their project management profile. This association can advance further when the exploration permits are granted.

Our preliminary discussions with Halliburton included possibilities in exploration activities. Some of the topics included:

- Preliminary assessment of some petroleum well data and seismic lines may develop an initial exploration model.

- Provide a preliminary report on the potential, size and grade of oil shale ore bodies within the area of interest and the Cosmo exploration permit application.

- The preliminary report is to include a rating and sequence of exploration drilling for each application. This report will include an initial valuation for the area of interest which may be used for financing purposes.

QSG proposes to drill 2 holes in year 1 to confirm the exploration model interpreted from petroleum well, seismic data and company reports.

QSG will then drill the next 6 high priority wide spaced holes in year 2 to possibly locate an oil shale ore body.

This drilling will further develop our oil shale exploration model, and permit QSG to contract additional specialised drilling contractors to drill the remaining 43 holes in years 3, 4 and 5. These additional contractors can be utilized in additional infill drill holes if required. The exploration drilling in the works program for each permit and in particular the Cosmo permit will provide a minimum of one exploration drill hole per exploration permit.

The table of exploration expenditure for the 5 year permit term (attached) also provides the preliminary sequence of drilling in each permit.

### Period 1

QSG will appoint a consultant to carry out a desk top other study and develop a preliminary exploration model for oil shale for the area of interest which includes the area of the Cosmo exploration permit.

This preliminary report will include an estimated size and potential of an oil shale deposit in the area of interest that can be used for valuation and financing purposes.

Estimated cost \$1.53 m.

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**Period 2**

The consultant will carry out a detailed interpretation study of the well and seismic data reprocessing of the area of the 8 highest priority drill holes in the permits from the report in period 1. A contract will be awarded for the drilling of the two highest priority holes from this report.

**Period 3**

Drill 2 exploration holes (5,100m) and assess drill log data.

**Period 4**

Commence a drilling program on the remaining 6 priority holes determined in the period 2 study (18,700m) and assess the drill data. As drilling progress the data will be incorporated into the exploration model which will permit drill hole locations to be amended to provide the best exploration location for oil shale.

**Period 5**

Commence a drilling program on the remaining 43 holes (97,700m). This provides a minimum of 1 drill hole in each remaining application permit. As each drill hole is completed the data received will be incorporated into the exploration model and this data may vary the drill hole sequence.

**Estimated Expenditure**

Enclosed is a table of exploration expenditure and the proposed initial program sequence of drill holes for the 5 year permit term. This table also provides the estimated expenditure for each application area.

**Exploration expenditure per sub-block per year**

Year 1	\$ 2,810
Year 2	\$ 8,490
Year 3	\$ 14,120
Year 4	\$ 12,800
Year 5	\$ 18,740

Total exploration expenditure for years 1 and 2 is \$ 57.89 m

**Application Fee**

Application fee (all minerals other than coal)	\$826.00 per application
Multiple advertisement (batched advertising)	\$1,000.00 per application

A one off payment for the environmental fee \$ 551.00 is included



# QLD Shale Gas Pty Ltd

## Table of Exploration Expenditure for the 5 Year Permit Term

Application Name	Expenditure Of Term					Total Expenditure
	Year 1	Year 2	Year 3	Year 4	Year 5	
Wackett	\$6,330,000	\$80,000	\$0	\$0	\$0	\$6,410,000
Chooko	\$30,000	\$200,000	\$4,700,000	\$50,000	\$0	\$4,980,000
Tequila	\$30,000	\$0	\$200,000	\$4,900,000	\$50,000	\$5,180,000
Nurra	\$230,000	\$8,200,000	\$50,000	\$0	\$0	\$8,480,000
Cooper	\$30,000	\$200,000	\$6,800,000	\$50,000	\$0	\$7,080,000
Yangtse	\$30,000	\$200,000	\$5,200,000	\$50,000	\$0	\$5,480,000
Jackson	\$30,000	\$0	\$200,000	\$5,500,000	\$50,000	\$5,780,000
Juno	\$230,000	\$6,600,000	\$50,000	\$0	\$0	\$6,880,000
Hebe	\$30,000	\$0	\$200,000	\$6,300,000	\$50,000	\$6,580,000
Cooroo	\$30,000	\$0	\$0	\$200,000	\$4,750,000	\$4,980,000
Cosmo	\$30,000	\$0	\$200,000	\$5,500,000	\$50,000	\$5,780,000
Natan	\$30,000	\$200,000	\$5,900,000	\$50,000	\$0	\$6,180,000
Burundi	\$30,000	\$0	\$0	\$200,000	\$4,750,000	\$4,980,000
Lepard	\$5,530,000	\$80,000	\$0	\$0	\$0	\$5,610,000
Goora	\$30,000	\$0	\$200,000	\$4,700,000	\$50,000	\$4,980,000
Brock	\$30,000	\$0	\$0	\$200,000	\$3,550,000	\$3,780,000
Coongy	\$30,000	\$0	\$0	\$200,000	\$3,550,000	\$3,780,000
Sandy	\$230,000	\$7,000,000	\$50,000	\$0	\$0	\$7,280,000
Hector	\$230,000	\$5,300,000	\$50,000	\$0	\$0	\$5,580,000
Theta	\$30,000	\$0	\$200,000	\$5,000,000	\$50,000	\$5,280,000
Bowen	\$30,000	\$200,000	\$4,200,000	\$50,000	\$0	\$4,480,000
Kappa	\$30,000	\$200,000	\$7,000,000	\$50,000	\$0	\$7,280,000
Raffle	\$30,000	\$0	\$200,000	\$5,300,000	\$50,000	\$5,580,000
Zeus	\$30,000	\$200,000	\$5,000,000	\$50,000	\$0	\$5,280,000
Watkins	\$30,000	\$0	\$0	\$200,000	\$4,550,000	\$4,550,000
Omega	\$30,000	\$0	\$200,000	\$5,300,000	\$50,000	\$5,580,000
Inca	\$30,000	\$0	\$200,000	\$4,700,000	\$50,000	\$4,980,000
Watson	\$30,000	\$0	\$0	\$200,000	\$4,550,000	\$4,780,000
Wolgolla	\$30,000	\$0	\$200,000	\$4,900,000	\$50,000	\$5,180,000
Keren	\$30,000	\$0	\$200,000	\$5,000,000	\$50,000	\$5,280,000
Iliad	\$30,000	\$0	\$0	\$200,000	\$4,550,000	\$4,780,000
Ashby	\$30,000	\$0	\$0	\$200,000	\$4,550,000	\$4,780,000
Sigma	\$30,000	\$0	\$0	\$200,000	\$4,250,000	\$4,480,000
Gamma	\$30,000	\$0	\$0	\$200,000	\$4,050,000	\$4,280,000
Noosa	\$30,000	\$0	\$200,000	\$3,800,000	\$50,000	\$4,080,000
Innamincka	\$230,000	\$7,800,000	\$50,000	\$0	\$0	\$8,080,000
Ballera	\$230,000	\$5,900,000	\$50,000	\$0	\$0	\$6,180,000
Judga	\$30,000	\$200,000	\$5,300,000	\$50,000	\$0	\$5,580,000
Tallalia	\$30,000	\$0	\$0	\$200,000	\$7,050,000	\$7,280,000
Challum	\$30,000	\$200,000	\$6,600,000	\$50,000	\$0	\$6,880,000
Costa	\$30,000	\$200,000	\$5,700,000	\$50,000	\$0	\$5,980,000
Raworth	\$30,000	\$0	\$0	\$200,000	\$5,750,000	\$5,980,000
Pepita	\$30,000	\$0	\$0	\$200,000	\$5,950,000	\$6,180,000
Macadama	\$30,000	\$200,000	\$7,000,000	\$50,000	\$0	\$7,280,000
Monte	\$30,000	\$200,000	\$5,900,000	\$50,000	\$0	\$6,180,000
Arrabury	\$30,000	\$0	\$0	\$200,000	\$5,850,000	\$6,080,000
Tooperry	\$30,000	\$0	\$0	\$200,000	\$5,750,000	\$5,980,000
Keilor	\$30,000	\$0	\$0	\$200,000	\$6,050,000	\$6,280,000
Corsair	\$30,000	\$0	\$0	\$200,000	\$5,350,000	\$5,580,000
Munro	\$30,000	\$0	\$0	\$200,000	\$4,550,000	\$4,780,000
Maya	\$30,000	\$0	\$0	\$200,000	\$5,550,000	\$5,780,000
<b>TOTALS</b>	<b>\$14,530,000</b>	<b>\$43,360,000</b>	<b>\$72,000,000</b>	<b>\$65,300,000</b>	<b>\$95,550,000</b>	<b>\$290,510,000</b>