

INDEX OF DOCUMENTS HELD ON THE PUBLIC REGISTER FOR PIPELINE LICENCE PL 20

1. 13 March 2012 Grant of Pipeline Licence PL 20 –

Interests:
Santos Limited 25%
Santos Petroleum Pty Ltd 25%
Origin Energy Resources Ltd 25%
Delhi Petroleum Pty Ltd 20%
Vamgas Ltd 5%

Expiry Date: 12 March 2033
2. 13 March 2012 Memorandum entering PL 20 on the public register.
3. 22 March 2012 Gazettal of Grant of Pipeline Licence PL 20.
4. 3 April 2012 Notation of receipt of security is entered on the public register.
5. 13 August 2014 Memorandum entering notation of the following registrable dealing on the public register.

General Security Deed dated 30 July 2013 between Delhi Petroleum Pty Limited and Westpac Banking Corporation.
Ref: SA 2014-75
6. 9 August 2017 Certificate of Registration on Change of Company Name dated 29 June 2017.

From: Origin Energy Resources Limited
To: Lattice Energy Limited
7. 9 August 2017 Memorandum entering notation of change of company name on the public register.
8. 22 January 2020 Certificate of Registration on Change of Company Name dated 2 December 2019.

From: Lattice Energy Limited
To: Beach Energy (Operations) Limited
9. 22 January 2020 Memorandum entering notation of change of company name on the public register.

**Petroleum and Geothermal Energy Act 2000
S.115**

MEMORANDUM

PETROLEUM PRODUCTION LICENCES

PPLs 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 25, 26, 27, 29, 30, 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 63, 64, 65, 66, 67, 68, 69, 70, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 83, 84, 86, 87, 88, 89, 90, 91, 92, 94, 95, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 172, 174, 175, 176, 177, 178, 179, 180, 182, 187, 189, 190, 193, 194, 195, 196, 201, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237 and 238

ASSOCIATED ACTIVITIES LICENCES

AALs 258, 259 and 263

PIPELINE LICENCES

PLs 2, 5, 9, 15 and 20

1. Notation of change of company name:

From: Lattice Energy Limited
To: Beach Energy (Operations) Limited

is hereby entered on the public registers.



**BARRY A. GOLDSTEIN
Executive Director
Energy Resources Division
Department for Energy and Mining
Delegate of the Minister for Energy and Mining**

Date: 22 January 2020



Certificate of Registration on Change of Name

This is to certify that

LATTICE ENERGY LIMITED

Australian Company Number 007 845 338

did on the second day of December 2019 change its name to

BEACH ENERGY (OPERATIONS) LIMITED

Australian Company Number 007 845 338

The company is a public company.

The company is limited by shares.

The company is taken to be registered under the Corporations Act 2001 in South Australia and the date of commencement of registration is the ninth day of September, 1977.

Issued by the
Australian Securities and Investments Commission
on this second day of December 2019.

A handwritten signature in black ink that reads 'James Shipton'.

James Shipton
Chair

CERTIFICATE

Petroleum and Geothermal Energy Act 2000
S.115

MEMORANDUM

PETROLEUM RETENTION LICENCE
PRL 106

PETROLEUM EXPLORATION LICENCES
PELs 637 and 638

PETROLEUM PRODUCTION LICENCES
PPLs 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 25,
26, 27, 29, 30, 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47,
48, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 63, 64, 65, 66, 67, 68, 69, 70,
72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 83, 84, 86, 87, 88, 89, 90, 91, 92, 94,
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161, 162, 163, 164, 165, 166, 167, 172, 174, 175, 176, 177, 178, 179, 180,
182, 187, 189, 190, 193, 194, 195, 196, 201, 228, 229, 230, 231, 232, 233,
234, 235, 236, 237 and 238

PIPELINE LICENCES
PLs 2, 5, 9, 15 and 20

1. Notation of change of company name:

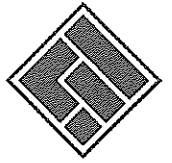
From: Origin Energy Resources Limited
To: Lattice Energy Limited

is hereby entered on the public registers.



BARRY A. GOLDSTEIN
Executive Director
Energy Resources Division
Department of the Premier and Cabinet
Delegate of the Minister for Mineral Resources and Energy

Date: 9 August 2017



Certificate of Registration on Change of Name

This is to certify that

ORIGIN ENERGY RESOURCES LIMITED

Australian Company Number 007 845 338

did on the twenty-ninth day of June 2017 change its name to

LATTICE ENERGY LIMITED

Australian Company Number 007 845 338

The company is a public company.

The company is limited by shares.

The company is taken to be registered under the Corporations Act 2001 in South Australia and the date of commencement of registration is the ninth day of September, 1977.

Issued by the
Australian Securities and Investments Commission
on this twenty-ninth day of June 2017.

Greg Medcraft
Chairman

CERTIFICATE

Petroleum and Geothermal Energy Act 2000
S.115

MEMORANDUM

PIPELINE LICENCE
PL 20

SA 2014-75 Notation of registrable dealing as evidenced by General Security Deed dated 30 July 2013 between Delhi Petroleum Pty Limited and Westpac Banking Corporation is hereby entered on the public register.



BARRY A. GOLDSTEIN
Executive Director
Energy Resources Division
Department of State Development
Delegate of the Minister for Mineral Resources and Energy

Date: 13 August 2014

Ref: F2011/000595

Petroleum and Geothermal Energy Act 2000
S.115

MEMORANDUM

PIPELINE LICENCE
PL 20

1. Notation of receipt of security in the form of a Bank Guarantee dated 27 October 2005 is hereby entered on the public register.
2. Security is held to cover any event occurring in any licence operated by Santos Limited on behalf of the respective Cooper Basin Joint Ventures in South Australia.



BARRY A. GOLDSTEIN
Executive Director
Energy Resources Division
Department for Manufacturing, Innovation, Trade, Resources and Energy
Delegate of the Minister for Mineral Resources and Energy

Date: 3 April 2012

File: F2011/595

PETROLEUM AND GEOTHERMAL ENERGY ACT 2000

Grant of Pipeline Licence—PL 20

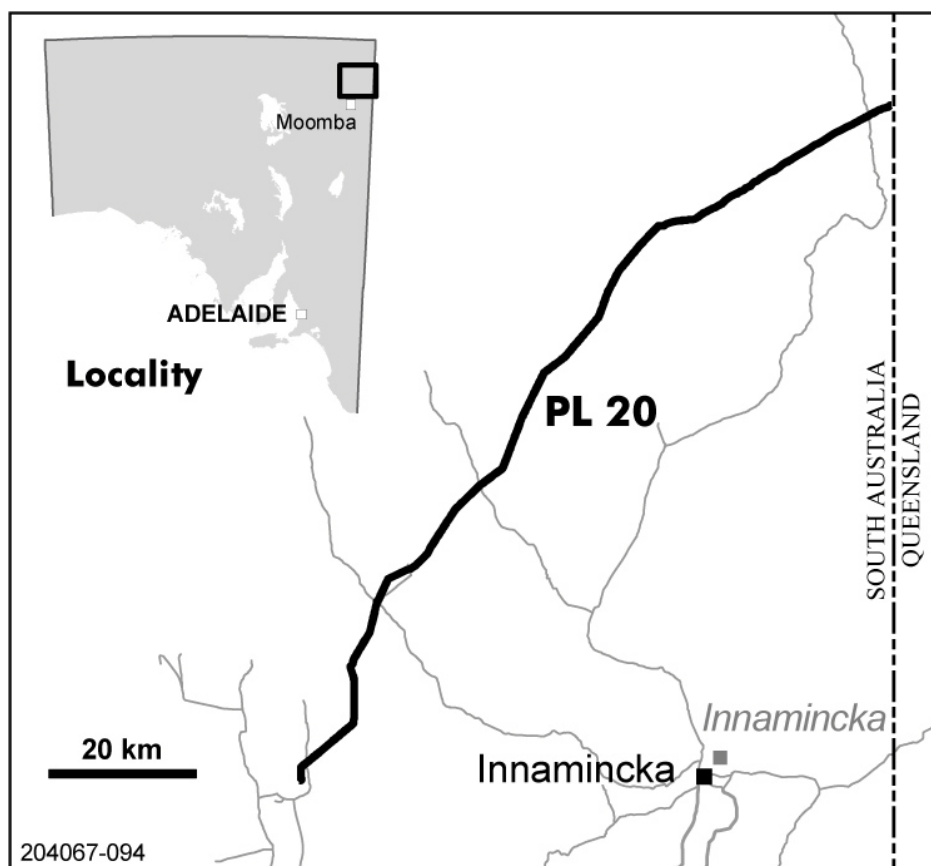
NOTICE is hereby given that the undermentioned Pipeline Licence has been granted under the provisions of the Petroleum and Geothermal Energy Act 2000, pursuant to delegated powers dated 1 October 2009.

| No. of Licence | Licensees | Locality | Dated of Expiry | Reference |
|----------------|--|---------------------------------|-----------------|-----------|
| PL 20 | Santos Limited Santos Petroleum Pty Ltd Origin Energy Resources Ltd Delhi Petroleum Pty Ltd Vamgas Limited | Cooper Basin South Australia | 12.03.2033 | F2011/595 |

General Description of the Licence Area

The South Australian portion of the proposed pipeline will commence at the SA/QLD border and travel south westerly to the Merrimelia Oil Satellite in the South Australian Cooper Basin. The proposed pipeline will cover a distance of approximately 130 km within South Australia.

The pipeline is to be constructed along the route shown on the following map:



Dated 13 March 2012.

B. A. GOLDSTEIN,
Executive Director
Energy Resources Division
Department for Manufacturing, Innovation, Trade Resources and Energy
Delegate of the Minister for Mineral Resources and Energy

Petroleum and Geothermal Energy Act 2000
S.115

MEMORANDUM

PIPELINE LICENCE
PL 20

1. This Licence granted on 13 March 2012 is hereby entered on the public register.
2. Interests in the licence are:-

| | |
|-----------------------------|-----|
| Santos Limited | 25% |
| Santos Petroleum Pty Ltd | 25% |
| Origin Energy Resources Ltd | 25% |
| Delhi Petroleum Pty Ltd | 20% |
| Vamgas Ltd | 5% |



BARRY A. GOLDSTEIN
Executive Director
Energy Resources Division
Department for Manufacturing, Innovation, Trade, Resources and Energy
Delegate of the Minister for Mineral Resources and Energy

Date: 13 March 2012

Ref. F2011/000595

Petroleum and Geothermal Energy Act 2000

PIPELINE LICENCE PL 20

I, BARRY ALAN GOLDSTEIN, Executive Director, Energy Resources Division, Department for Manufacturing, Innovation, Trade, Resources and Energy, in the State of South Australia, pursuant to the provisions of the *Petroleum and Geothermal Energy Act 2000* and all other enabling powers, for and on behalf of Tom Koutsantonis, Minister for Mineral Resources and Energy (Minister), pursuant to delegated powers dated 1 October 2009, HEREBY GRANT to:

Santos Ltd
ACN 007 550 923

Santos Petroleum Pty Ltd
ACN 000 146 369

Origin Energy Resources Ltd
ACN 007 845 338

Delhi Petroleum Pty Ltd
ACN 007 854 686

Vamgas Pty Ltd
ACN 006 245 110

a Licence to construct and operate a transmission pipeline described in this Licence for the conveyance of crude oil subject to the following terms and conditions:

1 INTERPRETATION

- 1.1 Unless the contrary intention appears, words defined in the *Petroleum and Geothermal Energy Act 2000* or in the *Petroleum and Geothermal Energy Regulations 2000* have the same meaning for the purposes of this Licence.
- 1.2 The "Act" means the *Petroleum and Geothermal Energy Act 2000* and refers to that Act as amended from time to time and any Act enacted in substitution for that Act.
- 1.3 The "Regulations" means the *Petroleum and Geothermal Energy Regulations 2000* and refers to those Regulations as amended from time to time and any Regulations or other statutory instruments made in substitution for those Regulations.
- 1.4 A reference to a "Statement of Environmental Objectives" is a reference to any Statement of Environmental Objectives for the time being approved under the Act in respect of the construction, maintenance modification or operation of the pipeline.
- 1.5 A reference to the "Minister" is a reference to the Minister to whom the administration of the Act is for the time being committed.

- 1.6 The obligations of the Licensee and the powers of the Minister under the terms and conditions of this Licence are to be construed as being consistent with and as cumulative upon the obligations of the Licensee and the powers of the Minister under the Act and the Regulations.

2 TERM

The term of this licence is 21 years commencing on...13...MARCH..... 2012 and expiring at midnight on.....12...MARCH.....2033

BAG 12.3.12

3 GENERAL PROVISIONS

- 3.1 The Licensee must design, construct, maintain and operate the pipeline in accordance with the Act, (including the mandatory conditions stipulated by the Act), the Regulations and Statement of Environmental Objectives.

- 3.2 All regulated activities authorised by this Licence, namely:

- (a) construction of the transmission pipeline; and
- (b) operation of the transmission pipeline,

are classified as requiring high level official surveillance, unless the Licensee satisfies the Minister that, in view of the Licensee's demonstrated competence to comply with the requirements of the Act and the conditions of this Licence, the activities should be classified as requiring low level official surveillance.

4 GENERAL DESCRIPTION OF PIPELINE

The pipeline will include:

- 4.1 A spoolable Reinforced Thermoplastic Pipe (RTP) pipeline for the conveyance of crude oil, being a main pipeline with pipes of nominal diameter of 100mm, (herein called the "Mainline") over a route of approximately 130 kilometres commencing at the South Australian/Queensland border and terminating at the outlet of the pig ball valve at Merrimelia Oil Facility.
- 4.2 A telemetry and communication system on the pipeline.
- 4.3 Remote monitoring and control system for the supervision and operation of the pipeline system.

as shown on schedule 1 to this licence.

5 ROUTE

The pipeline shall be constructed on lines joining points of coordinates. The route which is shown on Schedule 2 to this licence.

6 DISCRETIONARY CONDITIONS

6.1 The Licensee must:

- (a) upon commencement of regulated activities under this Licence, maintain in force during the term of this Licence public and products liability insurance to cover regulated activities under this Licence (including sudden and accidental pollution) in the name of the Licensee for a sum not less than 20 million dollars (\$20,000,000.00) for the period of pipeline construction to the commencement of commissioning, and not less than 100 million dollars (\$100,000,000.00) thereafter, or such greater sum as specified by the Minister, and make such amendments to the terms and conditions of the insurance as the Minister may from time to time require;
- (b) upon request by the Minister, provide the Minister with a cover note or certificate of currency of each insurance policy referred to in paragraph (a).

6.2 The Minister in specifying the levels of insurance accepts no liability for the completeness of their listing, the adequacy of the sum insured, the limit of liability, the scoped coverage, the conditions or exclusions of these insurances in respect to how they may or may not respond to any loss, damage or liability.

6.3 The Licensee must, within 12 weeks after the time of commissioning the Pipeline conduct a practice drill of the emergency procedures and provide a report on the practice drill in accordance with the requirements of the Regulations.

7 SECURITY

7.1 For the purpose of ensuring the due and proper performance of the Licensee's obligations under this Licence and the Act, the Licensee shall provide security in the amount of \$50,000 in the form of either:

- (a) cash; or
- (b) an unconditional, irrevocable bank guarantee or letter of credit in a form, and from a financial institution, approved by the Minister,
("the Security").

7.2 The Security shall be:-

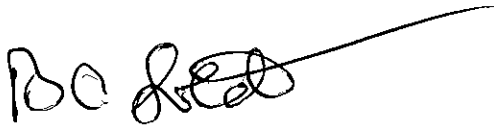
- (a) lodged within 28 days of the date of execution of this Licence;
- (b) reviewed periodically and during the term of the Licence if in the opinion of the Minister it is reasonable to increase the Security amount, provide additional security or substitute another security for the existing Security, the Licensee must comply with the Minister's request within 28 days after being requested in writing by the Minister so to do.

7.3 Interest will not be payable by the Minister to the Licensee on any cash Security.

7.4 All charges incurred by the Licensee in obtaining and maintaining the Security shall be met by the Licensee.

7.5 If upon expiry of this Licence this Licence is not renewed and the Minister is satisfied that there are no further obligations under this Licence or the Act, the Minister will return the Security to the Licensee.

Date:.....13 MARCH 2012.....

A handwritten signature in black ink, appearing to read 'BA Goldstein', with a long horizontal line extending to the right from the end of the signature.

.....
BARRY A. GOLDSTEIN
Executive Director
Energy Resources Division
Department for Manufacturing, Innovation, Trade, Resources and Energy
Delegate of the Minister for Mineral Resources and Energy

Executed for and on behalf of each of:

**Santos Ltd
Santos Petroleum Pty Ltd
Vamgas Pty Ltd**

by its Authorised Representative:

L. Dello
.....
Name (print)

[Signature]
.....
Authorised Representative Signature

17/2/2012
.....
Date

Executed for and on behalf of **Origin Energy Resources Ltd** by its Authorised Representative:

[Signature]
.....
Name (print)
Owen Hobbs
Eastern Australia Onshore Asset Manager
Upstream Oil & Gas Australia
.....
Authorised Representative Signature

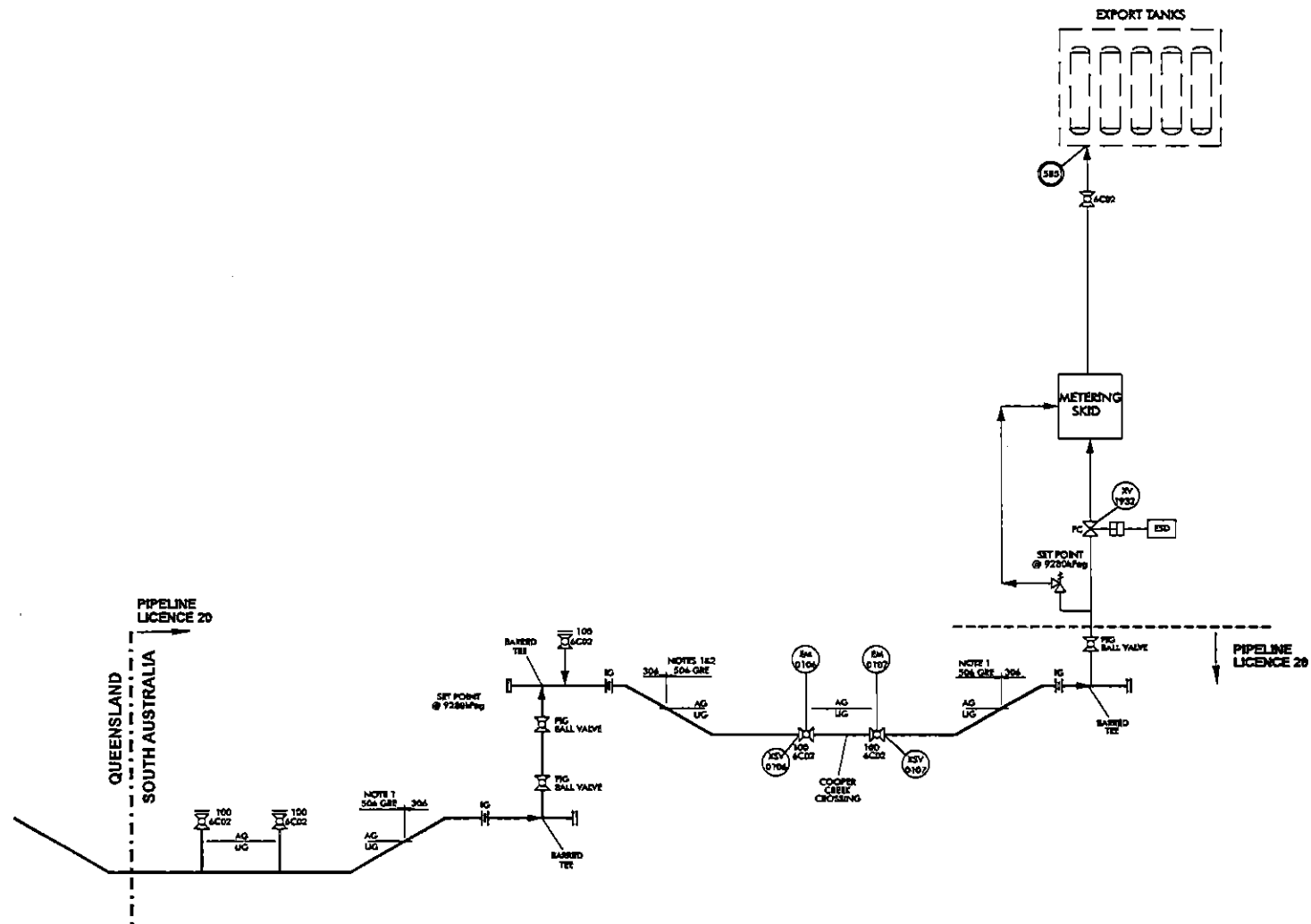
24-02-12
.....
Date

Executed for and on behalf of **Delhi Petroleum Pty Ltd** by its Authorised Representative:

Gordon Mosby
General Manager
Business Review & Planning
.....
Name (print)
[Signature]
.....
Authorised Representative Signature

2-3-12
.....
Date

AREA 1340-MERRIMELIA OIL FACILITY



NOTES:

1. SPEC 504 IS USED FOR GEL WITH DESIGN TEMPERATURE LIMITED TO 45.0°C, EXCEPT FOR FIRST 15 KILOMETERS FROM PIPELINE ENTRY.
2. FIRST 15 KILOMETERS ENTRY INTO UNDERGROUND PIPELINE SPECIFICATION 504, IS TEMPERATURE LIMITED TO 35.0°C

Fyfe drawing reference number 5300-10-035



Government of South Australia
Department for Manufacturing,
Innovation, Trade, Resources and Energy

Santos

PIPELINE LICENCE 20
MERRIMELIA TO BORDER LIQUIDS PIPELINE
SA portion
FRONT END ENGINEERING DESIGN - BLOCK FLOW DIAGRAM

PETROLEUM and GEOTHERMAL
ENERGY ACT 2000
SCHEDULE 1

REG Publications 200677-035

SCHEDULE 2

PL 20

ROUTE DESCRIPTION

All that part of the State of South Australia, bounded as follows:-

Lines joining point of coordinates set out in the following table:

MGA Zone 54

| | | | |
|----------|-------------------------|----------|-----------|
| 499962mE | 7021693mN SA/QLD Border | 494654mE | 7019110mN |
| 499608mE | 7021532mN | 494618mE | 7019065mN |
| 499390mE | 7021411mN | 494566mE | 7019037mN |
| 499297mE | 7021345mN | 494375mE | 7018907mN |
| 499191mE | 7021302mN | 493643mE | 7018573mN |
| 498970mE | 7021222mN | 492850mE | 7018151mN |
| 498557mE | 7021115mN | 491830mE | 7017665mN |
| 498310mE | 7021015mN | 491202mE | 7017236mN |
| 498138mE | 7020962mN | 490758mE | 7016934mN |
| 498104mE | 7020959mN | 490226mE | 7016651mN |
| 497997mE | 7020915mN | 489821mE | 7016420mN |
| 497720mE | 7020750mN | 489453mE | 7016203mN |
| 497535mE | 7020640mN | 489122mE | 7016090mN |
| 497485mE | 7020611mN | 488817mE | 7015835mN |
| 497450mE | 7020593mN | 488004mE | 7015307mN |
| 497439mE | 7020584mN | 486806mE | 7014597mN |
| 497367mE | 7020552mN | 486431mE | 7014379mN |
| 497333mE | 7020532mN | 486285mE | 7014292mN |
| 497281mE | 7020512mN | 486241mE | 7014262mN |
| 497246mE | 7020496mN | 486155mE | 7014180mN |
| 497201mE | 7020476mN | 485978mE | 7014084mN |
| 497140mE | 7020438mN | 485808mE | 7013986mN |
| 497070mE | 7020394mN | 485617mE | 7013935mN |
| 496903mE | 7020299mN | 485222mE | 7013718mN |
| 496722mE | 7020203mN | 484840mE | 7013440mN |
| 496681mE | 7020171mN | 484638mE | 7013295mN |
| 496612mE | 7020139mN | 484403mE | 7013067mN |
| 496531mE | 7020108mN | 484324mE | 7013007mN |
| 496498mE | 7020098mN | 484090mE | 7012870mN |
| 496473mE | 7020077mN | 483985mE | 7012785mN |
| 496403mE | 7020044mN | 483561mE | 7012618mN |
| 496323mE | 7019986mN | 483314mE | 7012500mN |
| 496238mE | 7019952mN | 483026mE | 7012334mN |
| 496191mE | 7019932mN | 482739mE | 7012162mN |
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| 495967mE | 7019804mN | 482410mE | 7011952mN |
| 495740mE | 7019683mN | 482350mE | 7011905mN |
| 495678mE | 7019646mN | 482115mE | 7011788mN |
| 495652mE | 7019625mN | 482038mE | 7011719mN |
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| 495467mE | 7019534mN | 481517mE | 7011362mN |
| 495301mE | 7019440mN | 481434mE | 7011333mN |
| 495151mE | 7019363mN | 481324mE | 7011272mN |

| | | | |
|----------|-----------|----------|-----------|
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| 481042mE | 7011039mN | 472790mE | 7006156mN |
| 480791mE | 7010773mN | 472390mE | 7006132mN |
| 480703mE | 7010693mN | 472174mE | 7006107mN |
| 480598mE | 7010632mN | 471478mE | 7006039mN |
| 480241mE | 7010501mN | 471430mE | 7006027mN |
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| 478083mE | 7009257mN | 468435mE | 7005302mN |
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| 476171mE | 7007920mN | 468069mE | 7005128mN |
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| 475056mE | 7007391mN | 467822mE | 7004861mN |
| 475005mE | 7007378mN | 467788mE | 7004825mN |
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| 474018mE | 7006766mN | 467537mE | 7004561mN |
| 473953mE | 7006718mN | 467515mE | 7004543mN |
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| 473677mE | 7006536mN | 467487mE | 7004513mN |
| 473609mE | 7006506mN | 467456mE | 7004479mN |
| 473507mE | 7006456mN | 467423mE | 7004444mN |
| 473480mE | 7006433mN | 467404mE | 7004423mN |
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| 473298mE | 7006313mN | 467372mE | 7004389mN |

| | | | |
|----------|-----------|----------|-----------|
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| 467332mE | 7004352mN | 465910mE | 7002867mN |
| 467309mE | 7004328mN | 465871mE | 7002828mN |
| 467280mE | 7004298mN | 465840mE | 7002797mN |
| 467239mE | 7004256mN | 465823mE | 7002781mN |
| 467191mE | 7004203mN | 465795mE | 7002747mN |
| 467171mE | 7004182mN | 465737mE | 7002680mN |
| 467148mE | 7004159mN | 465696mE | 7002631mN |
| 467141mE | 7004151mN | 465683mE | 7002615mN |
| 467120mE | 7004130mN | 465657mE | 7002583mN |
| 467101mE | 7004110mN | 465645mE | 7002568mN |
| 467078mE | 7004086mN | 465616mE | 7002533mN |
| 467062mE | 7004070mN | 465582mE | 7002490mN |
| 467008mE | 7004015mN | 465540mE | 7002436mN |
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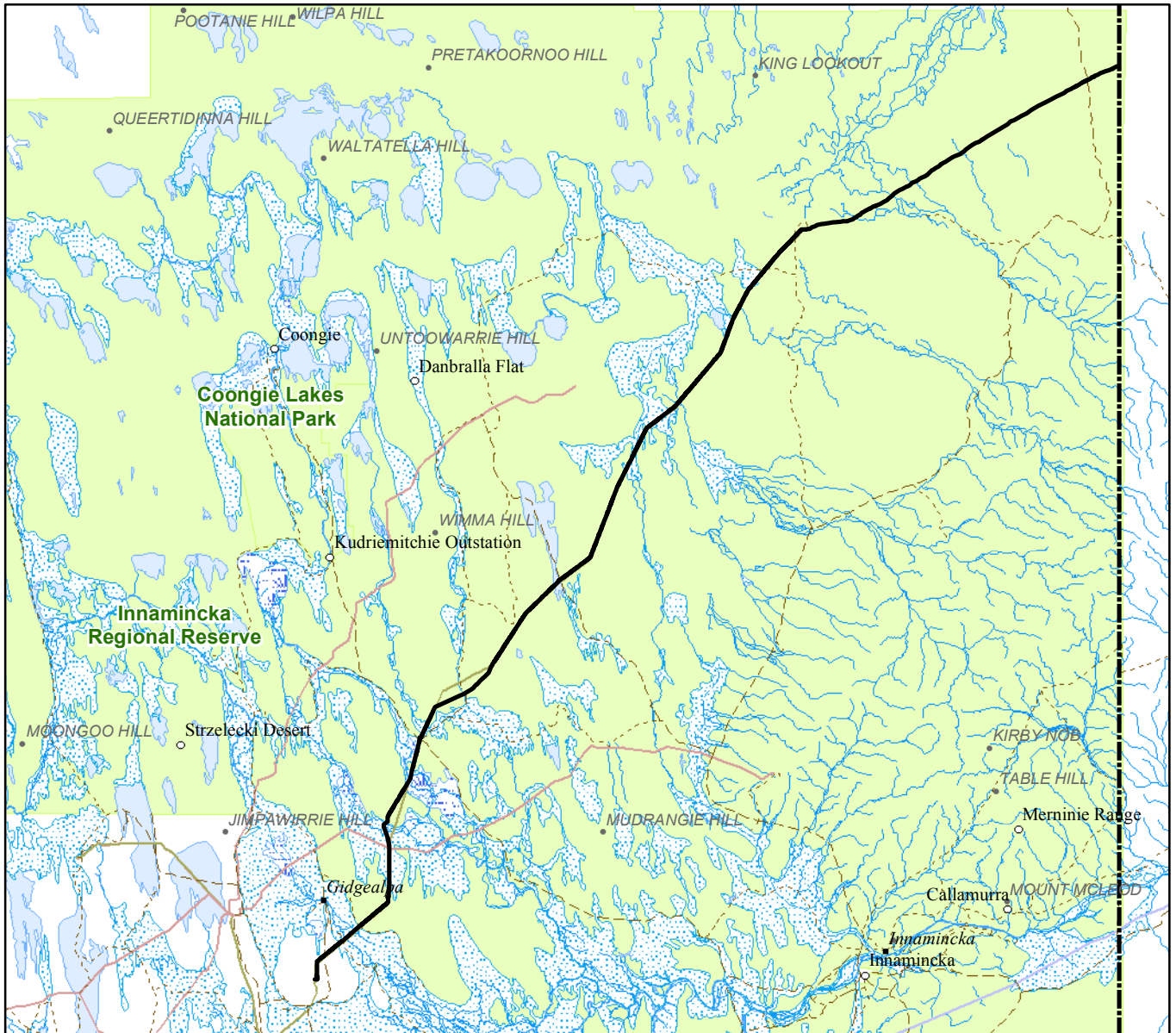
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| 420359mE | 6932619mN | 419928mE | 6931348mN |
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| 419927mE | 6931409mN | | |
| 419928mE | 6931387mN | | |
| 419928mE | 6931362mN | | |

Length: 130 km approximately



SCALE 1:650 000



Note: There is no warranty that the line of this licence is correct in relation to other features of the map. The line is to be ascertained by reference to the Geocentric Datum of Australia (GDA94) and the schedule.

THE PLAN HEREINBEFORE REFERRED TO

PIPELINE LICENCE NO: 20



Government of South Australia
Department for Manufacturing,
Innovation, Trade, Resources and Energy

F2011/000595

LENGTH: 130 km (approx)