

APPENDIX I

**Gas Results
from
Hunterston #1
October 2002
Amdel Limited**

21 October 2002

Great South Land Minerals Ltd
GPO Box 1603
HOBART TAS 7001

Attention: Rod Tabor

REPORT LQ12159

CLIENT REFERENCE: 98

WELL NAME/RE:

MATERIAL: Gas

WORK REQUIRED: Gas composition & mobilisation

AUTHOR'S NAME: Carmelina Valente

Please direct technical enquiries regarding this work, to the signatory below, under whose supervision the work was carried out. This report relates specifically to the sample or samples submitted for testing.



Diane Cass
Operations Manager
Petroleum Services

dc.cm

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PETROLEUM SERVICES GAS ANALYSIS
 Method GL-01-01/02 ASTM D 1945-96 (modified)

Client: GREAT SOUTH LAND MINERALS LTD

Report # LQ12159

Sample: ~~CHOICE~~ CHOICE MANIFOLD
 DST-1
 60 kPag @ 16°C
 -Air Included Composition

GAS	MOL %
Oxygen	9.41
Nitrogen	90.52
Helium	0.00
Hydrogen	0.07
Carbon Dioxide	0.00
Methane	0.00
Ethane	0.00
Propane	0.00
I-Butane	0.00
N-Butane	0.00
I-Pentane	0.00
N-Pentane	0.00
Hexanes	0.00
Heptanes	0.00
Octanes and higher h'cs	0.00
Total	100.00

(0.00 = less than 0.01%)

Calculated Gas Density
 (Air = 1) : 0.980

Calorific Value (15.0 deg C, 101.325 kPa)

Gross:	0 BTU/ Ft ³	0.01 MJ/m ³
Nett:	0 BTU/ Ft ³	0.01 MJ/m ³
Air content of sample =	42.97 %	
Average Molecular Weight =	28.370	

All results are calculated on the basis that only the measured constituents are present.
 This report relates specifically to the sample submitted for analysis.

Approved Signatory

C. Valenti

Date 17-Oct-02

PETROLEUM SERVICES GAS ANALYSIS
Method GL-01-01/02 ASTM D 1945-96 (modified)

Client: GREAT SOUTH LAND MINERALS LTD

Report # LQ12159

Sample: ~~CHOICE~~ CHOKE
CHOICE MANIFOLD
DST-1
60 kPag @ 16°C
-Air Corrected Composition

GAS	MOL %
Nitrogen	99.87
Helium	0.00
Hydrogen	0.13
Carbon Dioxide	0.00
Methane	0.00
Ethane	0.00
Propane	0.00
I-Butane	0.00
N-Butane	0.00
I-Pentane	0.00
N-Pentane	0.00
Hexanes	0.00
Heptanes	0.00
Octanes and higher h'cs	0.00
Total	100.00

(0.00 = less than 0.01%)

Calculated Gas Density
(Air = 1) : 0.966

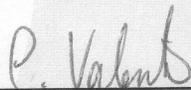
Calorific Value (15.0 deg C, 101.325 kPa)

Gross:	0 BTU/ Ft ³	0.02 MJ/m ³
Nett:	0 BTU/ Ft ³	0.01 MJ/m ³
Air content of sample =	0.00 %	
Average Molecular Weight =	27.980	

All results are calculated on the basis that only the measured constituents are present.
This report relates specifically to the sample submitted for analysis.

This assumes all the oxygen is present as air.

Approved Signatory



Date 17-Oct-02

PETROLEUM SERVICES GAS ANALYSIS
 Method GL-01-01/02 ASTM D 1945-96 (modified)

Client: GREAT SOUTH LAND MINERALS LTD

Report # LQ12159

Sample: ~~CHOICE~~ CHOICE MANIFOLD
 DST-2
 80 kPag @ 16°C
 -Air Included Composition

GAS	MOL %
Oxygen	2.03
Nitrogen	94.94
Helium	0.00
Hydrogen	0.00
Carbon Dioxide	3.03
Methane	0.00
Ethane	0.00
Propane	0.00
I-Butane	0.00
N-Butane	0.00
I-Pentane	0.00
N-Pentane	0.00
Hexanes	0.00
Heptanes	0.00
Octanes and higher h'cs	0.00
Total	100.00

(0.00 = less than 0.01%)

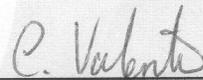
Calculated Gas Density
 (Air = 1) : 0.987

Calorific Value (15.0 deg C, 101.325 kPa)

Gross:	0 BTU/ Ft ³	0.00 MJ/m ³
Nett:	0 BTU/ Ft ³	0.00 MJ/m ³
Air content of sample =	9.27 %	
Average Molecular Weight =	28.579	

All results are calculated on the basis that only the measured constituents are present.
 This report relates specifically to the sample submitted for analysis.

Approved Signatory



Date 17-Oct-02

PETROLEUM SERVICES GAS ANALYSIS
 Method GL-01-01/02 ASTM D 1945-96 (modified)

Client: GREAT SOUTH LAND MINERALS LTD Report # LQ12159
 Sample: ~~CHOICE~~ CHOKÉ MANIFOLD
 DST-2
 80 kPag @ 16°C
 -Air Corrected Composition

GAS	MOL %
Nitrogen	99.89
Helium	0.00
Hydrogen	0.00
Carbon Dioxide	0.11
Methane	0.00
Ethane	0.00
Propane	0.00
I-Butane	0.00
N-Butane	0.00
I-Pentane	0.00
N-Pentane	0.00
Hexanes	0.00
Heptanes	0.00
Octanes and higher h'cs	0.00
Total	100.00

(0.00 = less than 0.01%)

Calculated Gas Density
 (Air = 1) : 0.968

Calorific Value (15.0 deg C, 101.325 kPa)

Gross:	0 BTU/ Ft ³	0.00 MJ/m ³
Nett:	0 BTU/ Ft ³	0.00 MJ/m ³
Air content of sample =	0.00 %	
Average Molecular Weight =	28.032	

All results are calculated on the basis that only the measured constituents are present.
 This report relates specifically to the sample submitted for analysis.

This assumes all the oxygen is present as air.

Approved Signatory



Date 17-Oct-02

PETROLEUM SERVICES GAS ANALYSIS
 Method GL-01-01/02 ASTM D 1945-96 (modified)

Client: GREAT SOUTH LAND MINERALS LTD
 Sample: ~~DWERTER~~ ASSEMBLY
 DST-3

Report # LQ12159

-Air Included Composition

GAS	MOL %
Oxygen	16.82
Nitrogen	82.91
Helium	0.21
Hydrogen	0.06
Carbon Dioxide	0.00
Methane	0.00
Ethane	0.00
Propane	0.00
I-Butane	0.00
N-Butane	0.00
I-Pentane	0.00
N-Pentane	0.00
Hexanes	0.00
Heptanes	0.00
Octanes and higher h'cs	0.00
Total	100.00

(0.00 = less than 0.01%)

Calculated Gas Density
 (Air = 1) : 0.988

Calorific Value (15.0 deg C, 101.325 kPa)

Gross:	0 BTU/ Ft ³	0.01 MJ/m ³
Nett:	0 BTU/ Ft ³	0.01 MJ/m ³
Air content of sample =	76.80 %	
Average Molecular Weight =	28.618	

All results are calculated on the basis that only the measured constituents are present.
 This report relates specifically to the sample submitted for analysis.

Approved Signatory

P. Valente

Date 17-Oct-02

PETROLEUM SERVICES GAS ANALYSIS
 Method GL-01-01/02 ASTM D 1945-96 (modified)

 Client: GREAT SOUTH LAND MINERALS LTD
 DIVERTER
 Sample: ~~DIVERTER~~ ASSEMBLY
 DST-3

Report # LQ12159

-Air Corrected Composition

GAS	MOL %
Nitrogen	98.67
Helium	1.03
Hydrogen	0.30
Carbon Dioxide	0.00
Methane	0.00
Ethane	0.00
Propane	0.00
I-Butane	0.00
N-Butane	0.00
I-Pentane	0.00
N-Pentane	0.00
Hexanes	0.00
Heptanes	0.00
Octanes and higher h'cs	0.00
Total	100.00

(0.00 = less than 0.01%)

 Calculated Gas Density
 (Air = 1) : 0.956

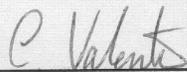
Calorific Value (15.0 deg C, 101.325 kPa)

Gross:	1 BTU/ Ft ³	0.04 MJ/m ³
Nett:	1 BTU/ Ft ³	0.03 MJ/m ³
Air content of sample =	0.00 %	
Average Molecular Weight =	27.688	

All results are calculated on the basis that only the measured constituents are present.
 This report relates specifically to the sample submitted for analysis.

This assumes all the oxygen is present as air.

Approved Signatory



Date 17-Oct-02