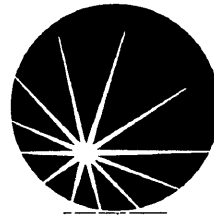


**Western Underground
Gas Storage Pty. Ltd.**



TXU

WELL COMPLETION REPORT

Iona-4

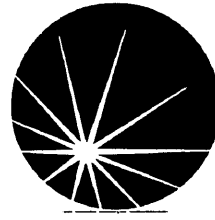
**PPL2
ONSHORE OTWAY BASIN,
VICTORIA**

**VOLUME 3 OF 3
ENCLOSURES 5-11**

October 1999

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**Western Underground
Gas Storage Pty. Ltd.**



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WELL COMPLETION REPORT

Iona-4

**PPL2
ONSHORE OTWAY BASIN,
VICTORIA**

**VOLUME 3 OF 3
ENCLOSURES 5-11**

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APPENDICES

- Appendix 8- Well Test Report by Haliburton
- Appendix 9- Drilling Fluid Recap by Baroid
- Appendix 10- Directional drilling end of well Report by Sperry Sun

ENCLOSURES

- Enclosure 1. Formation Evaluation Log (mudlog) by Halliburton
- Enclosure 2. Well Composite Log by PetroVal Australasia Pty Ltd
- Enclosure 3. Well Composite Log - Reservoir Section by PetroVal Australasia Pty Ltd
- Enclosure 4a. Field Logs - DSI – GR 1:200
- Enclosure 4b. Field Logs - DSI – GR 1:500

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- Enclosure 5a. Field Logs - Resistivity 1:200
- Enclosure 5b. Field Logs - Resistivity 1:500
- Enclosure 5c. Field Logs - Nuclear 1:200
- Enclosure 5d. Field Logs - Nuclear 1:500
- Enclosure 6a. Field Logs Check Shot Survey
- Enclosure 6b. Field Logs - Field Logs TCP Correlation
- Enclosure 7a. Field Logs - CCL – GR 1:200 (Run 8 June 1999)
- Enclosure 7a. Field Logs - CCL – GR 1:500 (Run 8 June 1999)
- Enclosure 8a. Field Logs - CBL - CCL - GR 1:200
- Enclosure 8b. Field Logs - CBL - CCL - GR 1:500
- Enclosure 9. Composite Well logs measured depth 1:200 – Validated Log Data Set Platform Express and DSI-GR
- Enclosure 10. Composite Well logs True Vertical depth 1:200 – Validated Log Data Set Platform Express and DSI-GR
- Enclosure 11. Synthetic seismogram spliced onto the seismic section through Iona-4

PE908912

This is an enclosure indicator page.
 The enclosure PE908912 is enclosed within the
 container PE908911 at this location in this
 document.

The enclosure PE908912 has the following characteristics:

ITEM_BARCODE = PE908912
 CONTAINER_BARCODE = PE908911
 NAME = Iona-4 Paper Print Field Log
 BASIN = OTWAY
 ONSHORE? = Y
 DATA_TYPE = WELL
 DATA_SUB_TYPE = WELL_LOG
 DESCRIPTION = Iona-4 Resistivity Curves PEX - HALS
 Field Log Scale 1:200 Enclosure 5a
 REMARKS =
 DATE_WRITTEN =
 DATE_PROCESSED = 23-MAR-1999
 DATE_RECEIVED =
 RECEIVED_FROM = Western Underground Gas Storage Pty Ltd
 WELL_NAME =
 Iona-4
 CONTRACTOR = Western Underground Gas Storage Pty Ltd
 AUTHOR =
 ORIGINATOR = Western Underground Gas Storage Pty Ltd
 TOP_DEPTH =
 25
 BOTTOM_DEPTH = 1554.4
 ROW_CREATED_BY = DN07_SW

(Inserted by DNRE - Vic Govt Mines Dept)

PE908913

This is an enclosure indicator page.
The enclosure PE908913 is enclosed within the
container PE908911 at this location in this
document.

The enclosure PE908913 has the following characteristics:

ITEM_BARCODE = PE908913
CONTAINER_BARCODE = PE908911
NAME = Iona-4 Paper Print Field Log
BASIN = OTWAY
ONSHORE? = Y
DATA_TYPE = WELL
DATA_SUB_TYPE = WELL_LOG
DESCRIPTION = Iona-4 Resistivity Curves PEX - HALS
Field Log Scale 1:200 Enclosure 5b
REMARKS =
DATE_WRITTEN =
DATE_PROCESSED = 23-MAR-1999
DATE_RECEIVED =
RECEIVED_FROM = Western Underground Gas Storage Pty Ltd
WELL_NAME = Iona-4
CONTRACTOR = Western Underground Gas Storage Pty Ltd
AUTHOR =
ORIGINATOR = Western Underground Gas Storage Pty Ltd
TOP_DEPTH = 25
BOTTOM_DEPTH = 1554.4
ROW_CREATED_BY = DN07_SW

(Inserted by DNRE - Vic Govt Mines Dept)

PE605551

This is an enclosure indicator page.
The enclosure PE605551 is enclosed within the
container PE908911 at this location in this
document.

The enclosure PE605551 has the following characteristics:

ITEM_BARCODE = PE605551
CONTAINER_BARCODE = PE908911
NAME = Iona-4 Paper Print Field Log
BASIN = OTWAY
ONSHORE? = Y
DATA_TYPE = WELL
DATA_SUB_TYPE = WELL_LOG
DESCRIPTION = Iona-4 Nuclear Curves PEX - HALS Field
Log Scale 1:200 Enclosure 5c
REMARKS =
DATE_WRITTEN =
DATE_PROCESSED = 23-MAR-1999
DATE_RECEIVED =
RECEIVED_FROM = Western Underground Gas Storage Pty Ltd
WELL_NAME = Iona-4
CONTRACTOR = Western Underground Gas Storage Pty Ltd
AUTHOR =
ORIGINATOR = Western Underground Gas Storage Pty Ltd
TOP_DEPTH = 25
BOTTOM_DEPTH = 1554.4
ROW_CREATED_BY = DN07_SW

(Inserted by DNRE - Vic Govt Mines Dept)

PE605552

This is an enclosure indicator page.
The enclosure PE605552 is enclosed within the
container PE908911 at this location in this
document.

The enclosure PE605552 has the following characteristics:

ITEM_BARCODE = PE605552
CONTAINER_BARCODE = PE908911
NAME = Iona-4 Paper Print Field Log
BASIN = OTWAY
ONSHORE? = Y
DATA_TYPE = WELL
DATA_SUB_TYPE = WELL_LOG
DESCRIPTION = Iona-4 Nuclear Curves PEX - HALS Field
Log Scale 1:500 Enclosure 5d
REMARKS =
DATE_WRITTEN =
DATE_PROCESSED = 23-MAR-1999
DATE_RECEIVED =
RECEIVED_FROM = Western Underground Gas Storage Pty Ltd
WELL_NAME = Iona-4
CONTRACTOR = Western Underground Gas Storage Pty Ltd
AUTHOR =
ORIGINATOR = Western Underground Gas Storage Pty Ltd
TOP_DEPTH = 25
BOTTOM_DEPTH = 1554.4
ROW_CREATED_BY = DN07_SW

(Inserted by DNRE - Vic Govt Mines Dept)

PE605553

This is an enclosure indicator page.
The enclosure PE605553 is enclosed within the
container PE908911 at this location in this
document.

The enclosure PE605553 has the following characteristics:

ITEM_BARCODE = PE605553
CONTAINER_BARCODE = PE908911
NAME = Iona-4 Paper Print Field Log
BASIN = OTWAY
ONSHORE? = Y
DATA_TYPE = WELL
DATA_SUB_TYPE = WELL_LOG
DESCRIPTION = Iona-4 Check Shot Survey Field Log
Enclosure 6a
REMARKS =
DATE_WRITTEN =
DATE_PROCESSED = 25-MAR-1999
DATE_RECEIVED =
RECEIVED_FROM = Western Underground Gas Storage Pty Ltd
WELL_NAME = Iona-4
CONTRACTOR = Western Underground Gas Storage Pty Ltd
AUTHOR =
ORIGINATOR = Western Underground Gas Storage Pty Ltd
TOP_DEPTH = 134.8
BOTTOM_DEPTH = 1542
ROW_CREATED_BY = DN07_SW

(Inserted by DNRE - Vic Govt Mines Dept)

PE605554

This is an enclosure indicator page.
The enclosure PE605554 is enclosed within the
container PE908911 at this location in this
document.

The enclosure PE605554 has the following characteristics:

ITEM_BARCODE = PE605554
CONTAINER_BARCODE = PE908911
NAME = Iona-4 Paper Print Field Log
BASIN = OTWAY
ONSHORE? = Y
DATA_TYPE = WELL
DATA_SUB_TYPE = WELL_LOG
DESCRIPTION = Iona-4 Check TCP Correlation Log
Enclosure 6b
REMARKS =
DATE_WRITTEN =
DATE_PROCESSED = 27-MAR-1999
DATE_RECEIVED =
RECEIVED_FROM = Western Underground Gas Storage Pty Ltd
WELL_NAME = Iona-4
CONTRACTOR = Western Underground Gas Storage Pty Ltd
AUTHOR =
ORIGINATOR = Western Underground Gas Storage Pty Ltd
TOP_DEPTH = 1350
BOTTOM_DEPTH = 1426
ROW_CREATED_BY = DN07_SW

(Inserted by DNRE - Vic Govt Mines Dept)

PE605555

This is an enclosure indicator page.
The enclosure PE605555 is enclosed within the
container PE908911 at this location in this
document.

The enclosure PE605555 has the following characteristics:

ITEM_BARCODE = PE605555
CONTAINER_BARCODE = PE908911
NAME = Iona-4 Paper Print Field Log
BASIN = OTWAY
ONSHORE? = Y
DATA_TYPE = WELL
DATA_SUB_TYPE = WELL_LOG
DESCRIPTION = Iona-4 GR-CCL Log Run 8 Scale 1:200
Enclosure 7a
REMARKS =
DATE_WRITTEN =
DATE_PROCESSED = 08-JUN-1999
DATE_RECEIVED =
RECEIVED_FROM = Western Underground Gas Storage Pty Ltd
WELL_NAME = Iona-4
CONTRACTOR = Western Underground Gas Storage Pty Ltd
AUTHOR =
ORIGINATOR = Western Underground Gas Storage Pty Ltd
TOP_DEPTH = 88.09
BOTTOM_DEPTH = 1506
ROW_CREATED_BY = DN07_SW

(Inserted by DNRE - Vic Govt Mines Dept)

PE605556

This is an enclosure indicator page.
The enclosure PE605556 is enclosed within the
container PE908911 at this location in this
document.

The enclosure PE605556 has the following characteristics:

ITEM_BARCODE = PE605556
CONTAINER_BARCODE = PE908911
NAME = Iona-4 Paper Print Field Log
BASIN = OTWAY
ONSHORE? = Y
DATA_TYPE = WELL
DATA_SUB_TYPE = WELL_LOG
DESCRIPTION = Iona-4 GR-CCL Log Run 8 Scale 1:500
Enclosure 7b
REMARKS =
DATE_WRITTEN =
DATE_PROCESSED = 08-JUN-1999
DATE_RECEIVED =
RECEIVED_FROM = Western Underground Gas Storage Pty Ltd
WELL_NAME = Iona-4
CONTRACTOR = Western Underground Gas Storage Pty Ltd
AUTHOR =
ORIGINATOR = Western Underground Gas Storage Pty Ltd
TOP_DEPTH = 88.09
BOTTOM_DEPTH = 1506
ROW_CREATED_BY = DN07_SW

(Inserted by DNRE - Vic Govt Mines Dept)

PE605557

This is an enclosure indicator page.
The enclosure PE605557 is enclosed within the
container PE908911 at this location in this
document.

The enclosure PE605557 has the following characteristics:

ITEM_BARCODE = PE605557
CONTAINER_BARCODE = PE908911
NAME = Iona-4 Paper Print Field Log
BASIN = OTWAY
ONSHORE? = Y
DATA_TYPE = WELL
DATA_SUB_TYPE = WELL_LOG
DESCRIPTION = Iona-4 CBL-VDL-GR-CCL Log Scale 1:200
Enclosure 8a
REMARKS =
DATE_WRITTEN =
DATE_PROCESSED = 25-MAR-1999
DATE_RECEIVED =
RECEIVED_FROM = Western Underground Gas Storage Pty Ltd
WELL_NAME = Iona-4
CONTRACTOR = Western Underground Gas Storage Pty Ltd
AUTHOR =
ORIGINATOR = Western Underground Gas Storage Pty Ltd
TOP_DEPTH = 375
BOTTOM_DEPTH = 1547
ROW_CREATED_BY = DN07_SW

(Inserted by DNRE - Vic Govt Mines Dept)

PE605558

This is an enclosure indicator page.
The enclosure PE605558 is enclosed within the
container PE908911 at this location in this
document.

The enclosure PE605558 has the following characteristics:

ITEM_BARCODE = PE605558
CONTAINER_BARCODE = PE908911
NAME = Iona-4 Paper Print Field Log
BASIN = OTWAY
ONSHORE? = Y
DATA_TYPE = WELL
DATA_SUB_TYPE = WELL_LOG
DESCRIPTION = Iona-4 CBL-VDL-GR-CCL Log Scale 1:500
Enclosure 8b
REMARKS =
DATE_WRITTEN =
DATE_PROCESSED = 25-MAR-1999
DATE_RECEIVED =
RECEIVED_FROM = Western Underground Gas Storage Pty Ltd
WELL_NAME = Iona-4
CONTRACTOR = Western Underground Gas Storage Pty Ltd
AUTHOR =
ORIGINATOR = Western Underground Gas Storage Pty Ltd
TOP_DEPTH = 375
BOTTOM_DEPTH = 1547
ROW_CREATED_BY = DN07_SW

(Inserted by DNRE - Vic Govt Mines Dept)

PE605559

This is an enclosure indicator page.
 The enclosure PE605559 is enclosed within the
 container PE908911 at this location in this
 document.

The enclosure PE605559 has the following characteristics:

ITEM_BARCODE = PE605559
 CONTAINER_BARCODE = PE908911
 NAME = Iona-4 Paper Print Field Log
 BASIN = OTWAY
 ONSHORE? = Y
 DATA_TYPE = WELL
 DATA_SUB_TYPE = WELL_LOG
 DESCRIPTION = Iona-4 Composite Well Log Display True
 Vertical Depth Validated Log Data Set -
 Platform Express and DSI-GR Scale 1:200
 Enclosure 9
 REMARKS =
 DATE_WRITTEN =
 DATE_PROCESSED = 30-JUL-1999
 DATE_RECEIVED =
 RECEIVED_FROM = Western Underground Gas Storage Pty Ltd
 WELL_NAME =
 Iona-4
 CONTRACTOR = Western Underground Gas Storage Pty Ltd
 AUTHOR =
 ORIGINATOR = Western Underground Gas Storage Pty Ltd
 TOP_DEPTH =
 0
 BOTTOM_DEPTH = 1364
 ROW_CREATED_BY = DN07_SW

(Inserted by DNRE - Vic Govt Mines Dept)

PE605560

This is an enclosure indicator page.
 The enclosure PE605560 is enclosed within the
 container PE908911 at this location in this
 document.

The enclosure PE605560 has the following characteristics:

ITEM_BARCODE = PE605560
 CONTAINER_BARCODE = PE908911
 NAME = Iona-4 Paper Print Field Log
 BASIN = OTWAY
 ONSHORE? = Y
 DATA_TYPE = WELL
 DATA_SUB_TYPE = WELL_LOG
 DESCRIPTION = Iona-4 Composite Display Well Log
 Measured Depth Scale 1:200 - Validated
 Log Data Set - Platform Express and
 DSI-GR Enclosure 10
 REMARKS =
 DATE_WRITTEN =
 DATE_PROCESSED = 30-JUL-1999
 DATE_RECEIVED =
 RECEIVED_FROM = Western Underground Gas Storage Pty Ltd
 WELL_NAME =
 Iona-4
 CONTRACTOR = Western Underground Gas Storage Pty Ltd
 AUTHOR =
 ORIGINATOR = Western Underground Gas Storage Pty Ltd
 TOP_DEPTH =
 0
 BOTTOM_DEPTH = 1554
 ROW_CREATED_BY = DN07_SW

(Inserted by DNRE - Vic Govt Mines Dept)

PE300510

This is an enclosure indicator page.
The enclosure PE300510 is enclosed within the
container PE908911 at this location in this
document.

The enclosure PE300510 has the following characteristics:

ITEM_BARCODE = PE300510
CONTAINER_BARCODE = PE908911
 NAME = Seismic Section Tie Through Iona-4
 BASIN = OTWAY
 ONSHORE? = Y
 DATA_TYPE = SEISMIC
 DATA_SUB_TYPE = INTERP_SECTION
 DESCRIPTION = Synthetic Seismogram Seismic Tie
 Through Iona-4 Inline 6305 Enclosure 11
 REMARKS =
 DATE_WRITTEN =
DATE_PROCESSED = 31-OCT-1999
DATE_RECEIVED =
RECEIVED_FROM = Western Underground Gas Storage Pty Ltd
 WELL_NAME =
 CONTRACTOR =
 AUTHOR =
 ORIGINATOR =
 TOP_DEPTH =
 BOTTOM_DEPTH =
ROW_CREATED_BY = DN07_SW

(Inserted by DNRE - Vic Govt Mines Dept)