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

TXU

WELL COMPLETION REPORT

Iona-5

PPL2
ONSHORE OTWAY BASIN, VICTORIA

VOLUME 2 OF 2
ENCLOSURES 4-11

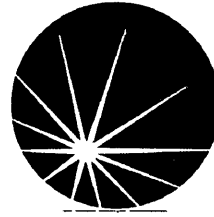**October 1999**   **Copy 3 of 6**

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

TXU

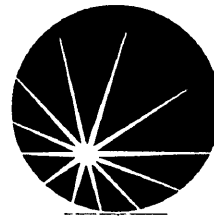# WELL COMPLETION REPORT

Iona-5

PPL2
ONSHORE OTWAY BASIN,
VICTORIA

**VOLUME 2 OF 2
ENCLOSURES 4-11**

October 1999   **Copy 3 of 6**

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

Enclosure 5a.   Field Logs - PEX – HALS Resistivity 1:200
Enclosure 5b.   Field Logs - PEX – HALS Resistivity 1:500
Enclosure 5c.   Field Logs - PEX – HALS Nuclear 1:200
Enclosure 5d.   Field Logs - PEX – HALS Nuclear 1:500

Enclosure 6.   Check Shot Survey

Enclosure 7a.   CBL/VDL – CCL – GR 1:200
Enclosure 7b.   CBL/VDL – CCL – GR 1:500

Enclosure 8.   TCP Correlation 1:200

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-5

PE606113

This is an enclosure indicator page.
The enclosure PE606113 is enclosed within the
   container PE908225 at this location in this
   document.

The enclosure PE606113 has the following characteristics:
```
        ITEM_BARCODE = PE606113
   CONTAINER_BARCODE = PE908225
                NAME = Iona-5 Field Log
               BASIN = OTWAY
            ONSHORE? = Y
           DATA_TYPE = WELL
       DATA_SUB_TYPE = WELL_LOG
         DESCRIPTION = Iona-5 PEX(HALS)-BHC Sonic-GR Field
                       Log, Scale 1:200, Enclosure 4a of
                       Iona-5 Well Completion Report
             REMARKS =
        DATE_WRITTEN = 02-MAY-1999
      DATE_PROCESSED =
       DATE_RECEIVED =
       RECEIVED_FROM = Western Underground Gas Storage Pty Ltd
           WELL_NAME = Iona-5
          CONTRACTOR = Western Underground Gas Storage Pty Ltd
              AUTHOR =
          ORIGINATOR = Western Underground Gas Storage Pty Ltd
           TOP_DEPTH = 25
        BOTTOM_DEPTH = 1722
      ROW_CREATED_BY = DN07_SW
```

(Inserted by DNRE - Vic Govt Mines Dept)

PE606114

This is an enclosure indicator page.
The enclosure PE606114 is enclosed within the
    container PE908225 at this location in this
    document.

The enclosure PE606114 has the following characteristics:
```
        ITEM_BARCODE = PE606114
   CONTAINER_BARCODE = PE908225
                NAME = Iona-5 Field Log
               BASIN = OTWAY
            ONSHORE? = Y
           DATA_TYPE = WELL
       DATA_SUB_TYPE = WELL_LOG
         DESCRIPTION = Iona-5 PEX(HALS)-BHC Sonic-GR Field
                       Log, Scale 1:500, Enclosure 4b of
                       Iona-5 Well Completion Report
             REMARKS =
        DATE_WRITTEN = 02-MAY-1999
      DATE_PROCESSED =
       DATE_RECEIVED =
       RECEIVED_FROM = Western Underground Gas Storage Pty Ltd
           WELL_NAME = Iona-5
          CONTRACTOR = Western Underground Gas Storage Pty Ltd
              AUTHOR =
          ORIGINATOR = Western Underground Gas Storage Pty Ltd
           TOP_DEPTH = 25
        BOTTOM_DEPTH = 1722
      ROW_CREATED_BY = DN07_SW
```

(Inserted by DNRE - Vic Govt Mines Dept)

PE606115

This is an enclosure indicator page.
The enclosure PE606115 is enclosed within the
   container PE908225 at this location in this
   document.

The enclosure PE606115 has the following characteristics:
```
        ITEM_BARCODE = PE606115
   CONTAINER_BARCODE = PE908225
                NAME = Iona-5 Field Log
               BASIN = OTWAY
            ONSHORE? = Y
           DATA_TYPE = WELL
       DATA_SUB_TYPE = WELL_LOG
         DESCRIPTION = Iona-5 PEX(HALS)-BHC Resistivitry
                       Curves Field Log, Scale 1:200,
                       Enclosure 5a of Iona-5 Well Completion
                       Report
             REMARKS =
        DATE_WRITTEN = 02-MAY-1999
      DATE_PROCESSED =
       DATE_RECEIVED =
       RECEIVED_FROM = Western Underground Gas Storage Pty Ltd
           WELL_NAME = Iona-5
          CONTRACTOR = Western Underground Gas Storage Pty Ltd
              AUTHOR =
          ORIGINATOR = Western Underground Gas Storage Pty Ltd
           TOP_DEPTH = 25
        BOTTOM_DEPTH = 1722
      ROW_CREATED_BY = DN07_SW
```

(Inserted by DNRE - Vic Govt Mines Dept)

PE606116

This is an enclosure indicator page.
The enclosure PE606116 is enclosed within the
    container PE908225 at this location in this
    document.

The enclosure PE606116 has the following characteristics:
```
        ITEM_BARCODE = PE606116
   CONTAINER_BARCODE = PE908225
                NAME = Iona-5 Field Log
               BASIN = OTWAY
            ONSHORE? = Y
           DATA_TYPE = WELL
       DATA_SUB_TYPE = WELL_LOG
         DESCRIPTION = Iona-5 PEX(HALS)-BHC Resistivitry
                       Curves Field Log, Scale 1:500,
                       Enclosure 5b of Iona-5 Well Completion
                       Report
             REMARKS =
        DATE_WRITTEN = 02-MAY-1999
      DATE_PROCESSED =
       DATE_RECEIVED =
       RECEIVED_FROM = Western Underground Gas Storage Pty Ltd
           WELL_NAME = Iona-5
          CONTRACTOR = Western Underground Gas Storage Pty Ltd
              AUTHOR =
          ORIGINATOR = Western Underground Gas Storage Pty Ltd
           TOP_DEPTH = 25
        BOTTOM_DEPTH = 1722
      ROW_CREATED_BY = DN07_SW
```

(Inserted by DNRE - Vic Govt Mines Dept)

PE606117

This is an enclosure indicator page.
The enclosure PE606117 is enclosed within the
  container PE908225 at this location in this
  document.

The enclosure PE606117 has the following characteristics:
```
        ITEM_BARCODE = PE606117
   CONTAINER_BARCODE = PE908225
                NAME = Iona-5 Field Log
               BASIN = OTWAY
            ONSHORE? = Y
           DATA_TYPE = WELL
       DATA_SUB_TYPE = WELL_LOG
         DESCRIPTION = Iona-5 PEX(HALS)-BHC Nuclear Curves
                       Field Log, Scale 1:200, Enclosure 5c of
                       Iona-5 Well Completion Report
             REMARKS =
        DATE_WRITTEN = 02-MAY-1999
      DATE_PROCESSED =
       DATE_RECEIVED =
       RECEIVED_FROM = Western Underground Gas Storage Pty Ltd
           WELL_NAME = Iona-5
          CONTRACTOR = Western Underground Gas Storage Pty Ltd
              AUTHOR =
          ORIGINATOR = Western Underground Gas Storage Pty Ltd
           TOP_DEPTH = 25
        BOTTOM_DEPTH = 1722
      ROW_CREATED_BY = DN07_SW
```

(Inserted by DNRE - Vic Govt Mines Dept)

PE606118

This is an enclosure indicator page.
The enclosure PE606118 is enclosed within the
    container PE908225 at this location in this
    document.

The enclosure PE606118 has the following characteristics:
         ITEM_BARCODE = PE606118
    CONTAINER_BARCODE = PE908225
                 NAME = Iona-5 Field Log
                BASIN = OTWAY
             ONSHORE? = Y
            DATA_TYPE = WELL
        DATA_SUB_TYPE = WELL_LOG
          DESCRIPTION = Iona-5 PEX(HALS)-BHC Nuclear Curves
                        Field Log, Scale 1:500, Enclosure 5d of
                        Iona-5 Well Completion Report
              REMARKS =
         DATE_WRITTEN = 02-MAY-1999
       DATE_PROCESSED =
        DATE_RECEIVED =
        RECEIVED_FROM = Western Underground Gas Storage Pty Ltd
            WELL_NAME = Iona-5
           CONTRACTOR = Western Underground Gas Storage Pty Ltd
               AUTHOR =
           ORIGINATOR = Western Underground Gas Storage Pty Ltd
            TOP_DEPTH = 25
         BOTTOM_DEPTH = 1722
       ROW_CREATED_BY = DN07_SW

    (Inserted by DNRE - Vic Govt Mines Dept)

PE606119

This is an enclosure indicator page.
The enclosure PE606119 is enclosed within the
   container PE908225 at this location in this
   document.

   The enclosure PE606119 has the following characteristics:
         ITEM_BARCODE = PE606119
    CONTAINER_BARCODE = PE908225
                 NAME = Iona-5 Field Log
                BASIN = OTWAY
             ONSHORE? = Y
            DATA_TYPE = WELL
        DATA_SUB_TYPE = WELL_LOG
          DESCRIPTION = Iona-5 Check Shot Survey Field Log,
                        Enclosure 6 of Iona-5 Well Completion
                        Report
              REMARKS =
         DATE_WRITTEN = 07-MAY-1999
       DATE_PROCESSED =
        DATE_RECEIVED =
        RECEIVED_FROM = Western Underground Gas Storage Pty Ltd
            WELL_NAME = Iona-5
           CONTRACTOR = Western Underground Gas Storage Pty Ltd
               AUTHOR =
           ORIGINATOR = Western Underground Gas Storage Pty Ltd
            TOP_DEPTH = 135
         BOTTOM_DEPTH = 1707
       ROW_CREATED_BY = DN07_SW

(Inserted by DNRE - Vic Govt Mines Dept)

PE606120

This is an enclosure indicator page.
The enclosure PE606120 is enclosed within the
   container PE908225 at this location in this
   document.

The enclosure PE606120 has the following characteristics:
```
        ITEM_BARCODE = PE606120
   CONTAINER_BARCODE = PE908225
                NAME = Iona-5 Field Log
               BASIN = OTWAY
             ONSHORE? = Y
           DATA_TYPE = WELL
       DATA_SUB_TYPE = WELL_LOG
         DESCRIPTION = Iona-5 CBL / VDL - CCL - GR Field Log,
                       Scale 1:200, Enclosure 7a of Iona-5
                       Well Completion Report
             REMARKS =
        DATE_WRITTEN = 07-MAY-1999
      DATE_PROCESSED =
       DATE_RECEIVED =
       RECEIVED_FROM = Western Underground Gas Storage Pty Ltd
           WELL_NAME = Iona-5
          CONTRACTOR = Western Underground Gas Storage Pty Ltd
              AUTHOR =
          ORIGINATOR = Western Underground Gas Storage Pty Ltd
           TOP_DEPTH = 75
        BOTTOM_DEPTH = 1710
      ROW_CREATED_BY = DN07_SW
```

(Inserted by DNRE - Vic Govt Mines Dept)

PE606121

This is an enclosure indicator page.
The enclosure PE606121 is enclosed within the
    container PE908225 at this location in this
    document.

The enclosure PE606121 has the following characteristics:
        ITEM_BARCODE = PE606121
   CONTAINER_BARCODE = PE908225
                NAME = Iona-5 Field Log
               BASIN = OTWAY
             ONSHORE? = Y
           DATA_TYPE = WELL
       DATA_SUB_TYPE = WELL_LOG
         DESCRIPTION = Iona-5 CBL / VDL - CCL - GR Field Log,
                       Scale 1:500, Enclosure 7b of Iona-5
                       Well Completion Report
             REMARKS =
        DATE_WRITTEN = 07-MAY-1999
      DATE_PROCESSED =
       DATE_RECEIVED =
       RECEIVED_FROM = Western Underground Gas Storage Pty Ltd
           WELL_NAME = Iona-5
          CONTRACTOR = Western Underground Gas Storage Pty Ltd
              AUTHOR =
          ORIGINATOR = Western Underground Gas Storage Pty Ltd
           TOP_DEPTH = 75
        BOTTOM_DEPTH = 1710
      ROW_CREATED_BY = DN07_SW

(Inserted by DNRE - Vic Govt Mines Dept)

PE612346

This is an enclosure indicator page.
The enclosure PE612346 is enclosed within the
   container PE908225 at this location in this
   document.

The enclosure PE612346 has the following characteristics:
```
      ITEM_BARCODE = PE612346
 CONTAINER_BARCODE = PE908225
              NAME = Iona-5 Field Log
             BASIN = OTWAY
          ONSHORE? = Y
         DATA_TYPE = WELL
     DATA_SUB_TYPE = WELL_LOG
       DESCRIPTION = Iona-5 TCP Correlation Field Log, Scale
                     1:200, Enclosure 8 of Iona-5 Well
                     Completion Report
           REMARKS =
      DATE_WRITTEN = 08-MAY-1999
    DATE_PROCESSED =
     DATE_RECEIVED =
     RECEIVED_FROM = Western Underground Gas Storage Pty Ltd
         WELL_NAME = Iona-5
        CONTRACTOR = Western Underground Gas Storage Pty Ltd
            AUTHOR =
        ORIGINATOR = Western Underground Gas Storage Pty Ltd
         TOP_DEPTH = 75
      BOTTOM_DEPTH = 1710
    ROW_CREATED_BY = DN07_SW
```

(Inserted by DNRE - Vic Govt Mines Dept)

PE612347

This is an enclosure indicator page.
The enclosure PE612347 is enclosed within the
   container PE908225 at this location in this
   document.

The enclosure PE612347 has the following characteristics:
```
        ITEM_BARCODE = PE612347
   CONTAINER_BARCODE = PE908225
                NAME = Iona-5 Field Log
               BASIN = OTWAY
            ONSHORE? = Y
           DATA_TYPE = WELL
       DATA_SUB_TYPE = WELL_LOG
         DESCRIPTION = Iona-5 Composite Well Log Display, True
                       Vertical Depth Field Log, Validated Log
                       Data Set - Platform Express and BHC-GR,
                       Scale 1:200, Enclosure 9 of Iona-5 Well
                       Completion Report
             REMARKS =
        DATE_WRITTEN = 02-MAY-1999
      DATE_PROCESSED = 30-JUL-1999
       DATE_RECEIVED =
       RECEIVED_FROM = Western Underground Gas Storage Pty Ltd
           WELL_NAME = Iona-5
          CONTRACTOR = Western Underground Gas Storage Pty Ltd
              AUTHOR =
          ORIGINATOR = Western Underground Gas Storage Pty Ltd
           TOP_DEPTH = 0
        BOTTOM_DEPTH = 1365
      ROW_CREATED_BY = DN07_SW
```

(Inserted by DNRE - Vic Govt Mines Dept)

PE612348

This is an enclosure indicator page.
The enclosure PE612348 is enclosed within the
   container PE908225 at this location in this
   document.

   The enclosure PE612348 has the following characteristics:
        ITEM_BARCODE = PE612348
   CONTAINER_BARCODE = PE908225
               NAME = Iona-5 Field Log
              BASIN = OTWAY
           ONSHORE? = Y
          DATA_TYPE = WELL
      DATA_SUB_TYPE = WELL_LOG
        DESCRIPTION = Iona-5 Composite Well Log Display,
                      Measured Depth Field Log, Validated Log
                      Data Set - Platform Express and BHC-GR,
                      Scale 1:200, Enclosure 10 of Iona-5
                      Well Completion Report
            REMARKS =
       DATE_WRITTEN = 02-MAY-1999
     DATE_PROCESSED = 30-JUL-1999
      DATE_RECEIVED =
      RECEIVED_FROM = Western Underground Gas Storage Pty Ltd
          WELL_NAME = Iona-5
         CONTRACTOR = Western Underground Gas Storage Pty Ltd
             AUTHOR =
         ORIGINATOR = Western Underground Gas Storage Pty Ltd
          TOP_DEPTH = 0
       BOTTOM_DEPTH = 1365
     ROW_CREATED_BY = DN07_SW

   (Inserted by DNRE - Vic Govt Mines Dept)

PE908226

This is an enclosure indicator page.
The enclosure PE908226 is enclosed within the
  container PE908225 at this location in this
  document.

The enclosure PE908226 has the following characteristics:
```
       ITEM_BARCODE = PE908226
  CONTAINER_BARCODE = PE908225
               NAME = Iona-5 Synthetic Seismogram
              BASIN = OTWAY
           ONSHORE? = Y
          DATA_TYPE = WELL
      DATA_SUB_TYPE = SYNTH_SEISMOGRAM
        DESCRIPTION = Iona-5 Synthetic Seismogram Seismic Tie
                      through Iona-5, Enclosure 11 of Iona-5
                      Well Completion Report
            REMARKS =
       DATE_WRITTEN =
     DATE_PROCESSED =
      DATE_RECEIVED =
      RECEIVED_FROM = Western Underground Gas Storage Pty Ltd
          WELL_NAME = Iona-5
         CONTRACTOR =
             AUTHOR =
         ORIGINATOR = Western Underground Gas Storage Pty Ltd
          TOP_DEPTH =
       BOTTOM_DEPTH =
     ROW_CREATED_BY = DN07_SW
```

(Inserted by DNRE - Vic Govt Mines Dept)