Relinquishment Report - FINAL

1. Header

Licence Number P355
7th Round Award (Traditional) 17th December 1980

Block 22/4a
Operator BG 33.39 %
Partner Centrica 39.89 %
Partner Total 26.72 %

The licence was awarded to Phillips Petroleum in the 7th Round. British Gas became a partner on the 3rd of June 1988 in place of Century Power & Light Ltd (20%).

Armada Development Area split - 15th April 1994

ConocoPhillips merger 30th August 2002

BG became operator on the 19th of December 2003 from ConocoPhillips who left the block. BG increased their share from 20% to 33.39%.

2. Synopsis

Following review in 2006 and as part of the DTI Fallow initiative, the 22/4a Partnership partially relinquished the 22/4a block, retaining only the area located immediately beneath the revised Fleming FDA.

A revision to the Fleming FDA was agreed with the DTI on the 13th February 2007

3. Exploration Activities

Two 3D seismic surveys have been acquired over the block, the 1992 proprietary Armada data and the non-proprietary Veritas 2005 data.

The acreage to be relinquished has no wells drilled within it. One well drilled within the licence, the 22/4-3 well (1986/7), penetrated the hydrocarbon bearing sands of the middle Jurassic.

The 22/4-3 well also penetrated the shallower Palaeocene Maureen sands. This reservoir was found to be hydrocarbon bearing and part of the Fleming field which began production in 1997 and is currently in production. The Fleming field has a FDA which is currently being amended in conjunction with this relinquishment.

Numerous studies have been conducted on the Maureen Sands of the Fleming field.
Studies (excl Fleming)


4.2/4.3 P355 BLOCK 22/4A GEOLOGY/GEOPHYSICS REPORTS 1996


Review of the Lower Cretaceous - Upper Jurassic of selected wells from block 022/05 and wells 022/04-03 and 016/29c-07: Nov 1990 [PROOF COPY] ROBERTSON GROUP PLC 12/7/2004


HAWKINS/DRAKE 3D PRE STACK DEPTH MIGRATION AND FLEMING POST MIGRATION PROCESSING OFFSHORE UK, BLOCKS 22/04 & 22/05: FEBRUARY - JUNE 1999 VERITAS for BG plc

MEGAN HUGIN SANDS GEOSCIENCE AND ENGINEERING-BLOCK 016/29A SUB AREA A AND 022/04A PHILLIPS PETROLEUM CO UK LTD 01/10/2002

A BIOSTRATIGRAPHIC CORRELATION OF THE LOWER OLIGOCENE TO UPPER MAASTRICHTIAN INTERVALS IN THE 16/23-3 16/29A-A19 16/29-1X 16/29-4 16/29-6X 16/29C-7 16/29A-8 16/29A-9 22/4-1 22/4-2 22/4-3 22/5A-1A 22/5B-3 22/5B-4 AND 22/5B-7 BRITISH NORTH SEA WELLS AND 15/12-4 NORWEGIAN NORTH SEA WELL VOL. 2 OF 2-ENCLOSURES PHILLIPS PETROLEUM CO UK LTD 01/12/1988

In addition to the above numerous vintages of mapping have been conducted over the 22/4a block by both BG and Phillips (the previous Operator)

4. Prospectivity Analysis

Potential reservoirs are Jurassic (Fulmar and Pentland Sandstones). Seals are the Kimmeridgian claystones and/or Cromer Knoll claystones and/or Base Chalk for the Jurassic reservoirs.

The Palaeocene reservoir in the block is the Maureen sands which have been proven to be present and gas bearing and are developed as part of the Fleming field. The seal for the Maureen sands are the overlying shales.

The remaining recognised prospect in the relinquishment area is the Milly prospect. Milly is a fault and dip closed structure at Upper Jurassic level. The primary reservoir target is considered to be the Fulmar Formation. The
structure is prognosed to be at depth of >16,000ft and be HPHT. It has prognosed chance of success of 20%.

5. Reserves Summary

The mean reserves for Milly are estimated to be 2.56 mmboe

6. Maps and Figures

Top Fulmar Depth Map
E-W Seismic Line showing Milly Structure

**Clearance**

Partners have reviewed the material within this document and have given clearance for publication purposes.