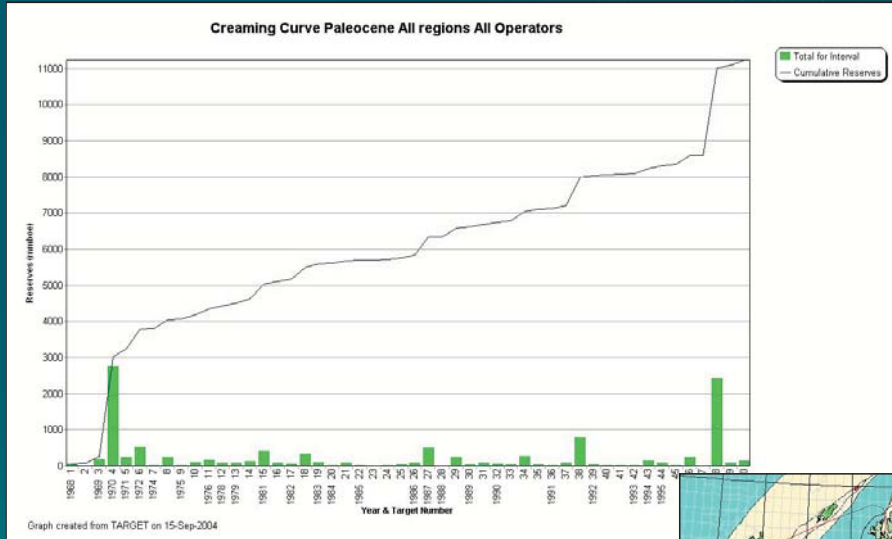


Fugro Data Solutions



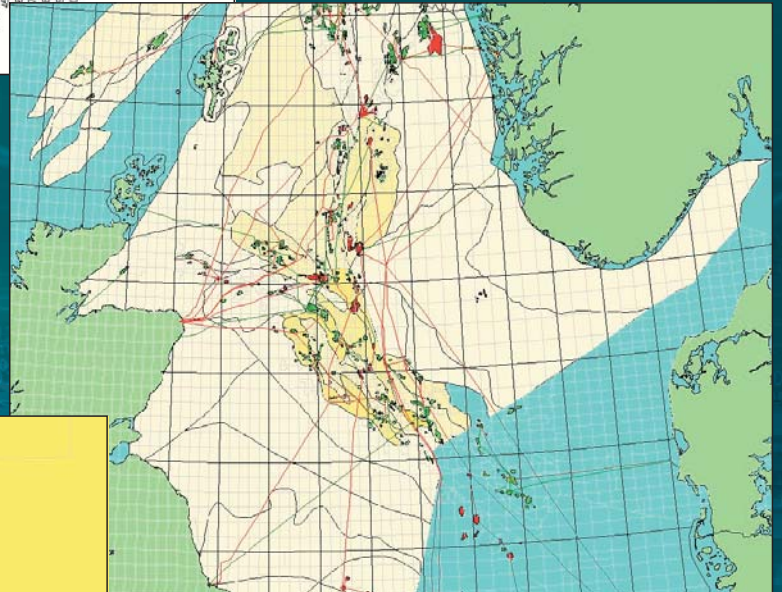
TARGET

Target is a unique petroleum play evaluation tool combining geology and well information to analyse play performance, success history and volumetrics.



Target can generate play specific creaming curves, discovery curves, field size distribution plots, reserves breakdown, success rates and failure analysis, all of which are vital for understanding play distribution, risk, commerciality and economics.

Target comprises a GIS application from which a series of geological analyses of the plays can be performed. Maps can be generated for play success rates, hydrocarbon volumes, drilling failure analysis and untested hydrocarbon columns. Custom query allows the display of specific play information such as trapping styles.



Target can import and export data and shape files, and is easily integrated with other Fugro products including GIR (Geochemical data) and Wisdom North West Europe.

Fugro Data Solutions



The Target database is comprehensive and contains the following information for all released exploration and appraisal wells. (Scouted data exists for all non-released wells).

- Operator
- Target Horizon and Type (Primary, Secondary, Serendipitous)
- Drilling Result (Success, Failure, Untested Hydrocarbon Column)
- Target Failure Analysis (Charge, Reservoir Quality, Seal, Trap etc)
- Drill Stem Tests
- Shows
- Reservoir Quality Comments
- Reserves
- Untested Hydrocarbons
- Field Sizes

BENEFITS:

Efficiency

Better understanding of the critical risk in your area of interest
 More sophisticated play screening
 Greater Appreciation Of Play Strategy And Investment

Effectiveness

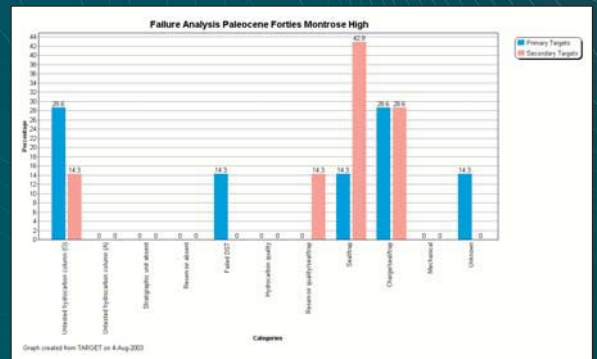
Better determination of Play Commerciality
 Better determination of Play Economics through dry hole analysis
 Increased robustness and standardisation in the evaluation of Play Risk
 Improved evaluation of Play Performance through time
 Improved predictions on discovery sizes and missed hydrocarbon evaluation

Economic

Potential to improve competitive edge with better competitor analysis
 Enables new opportunities to be quickly identified
 Better integration of commercial evaluation and geoscience strategy
 Potential to increase revenues through better portfolio management

TARGET PROVIDES:

- Opportunities Screening
- Determination of Play Commerciality
- Increased robustness and standardisation in the evaluation of Play Risk
- Improved evaluation of Play Performance through time
- Improved predictions on discovery sizes and missed hydrocarbon evaluation
- Potential to improve competitive edge with better competitor analysis
- Enables new opportunities to be quickly identified



Cultural Data for Well 22/23a-3		
Latitude :	57° 18' 9.15" N	DTI Number : 3987
Longitude :	1° 30' 17.64" E	Area : UK Central North Sea
Category :	Exploration	Basin : Forties-Montrose High
Operator :	Amoco	Spud Date : 16-Feb-1990
Status :	Sp. Oil Well	Comp Date : 12-Apr-1990
TD Horizon :	Triassic	
Data Availability :	no operator's report	
Respu/Sidetrack Reason :	Not applicable (A)	
General Comments :	This discovery, Anikwring, is located within a single Forties Member Sandstone turbidite "channel" system (Barb97). The well penetrated a 46m oil column within the Forties Sandstone Member. The well was cored throughout most of the oil column - for an overview of field development and reservoir management in the field, see Kantorowicz et al. (1999).	
Appraisal Well Objectives :	Not applicable (A).	
Appraisal Well Findings :	Not applicable (A).	
Mud Type :	Oil based from 2900'	
Shows Comments :	Undifferentiated Tertiary (3205',3740',4160',4620',5780') : 0.94% total gas. Eocene (7360') : 0.95% total gas. Paleocene Forties Formation (8451'-8818') : trace-good oil stain, dull yellow-bright yellow/white fluorescence, poor-fair gold brown cut and pale streaming bright light yellow-fast streaming instant milky white cut fluorescence. Paleocene Andrew Formation (9145') : 0.15% C.I. Paleocene Andrew Formation (9210'-9310') : dull gold green fluorescence and pale blue cut fluorescence.	

For further information please contact us...

Fugro Data Solutions Ltd.
 Llandudno
 North Wales LL30 1SA
 United Kingdom
 Telephone: +44 (0)1492 563555
 Facsimile: +44 (0)1492 592030
 E-mail: digitalproducts@fugro-data.com
 Website: www.fugro-data.com

Fugro Data Solutions Inc.
 6100 Hillcroft, 5th Floor (77081)
 P.O. Box 740010
 Houston
 Texas 77274
 USA
 Telephone: +1 713 369 6100
 Facsimile: +1 713 369 6110
 E-mail: digitalproducts@fugro-data.com