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**AmericaGoDeep.com
Live Link Deepwater Technology Mapping Project**

FINAL REPORT

(July 2003 – August 2004)

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13. ABSTRACT (Maximum 200 words) The concepts and goals of AmericaGoDeep can be summarized as follows: 1. Collect an unstructured data warehouse of data related to certain items in the US Dept. of Energy "Offshore Technology Roadmap for the Ultradeepwater Gulf of Mexico". 2. Use and evaluate commercial off-the-shelf software to organize and structure the data so that queries may be performed against it. 3. Compare the results of querying the structured database to those from well known public internet search engines such as Google and Yahoo.				
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The concepts and goals of America Go Deep can be summarized as follows:

- Collect an unstructured data warehouse of data related to certain items in the United States' Department of Energy *Offshore Technology Roadmap for the Ultra Deepwater Gulf of Mexico* (See Appendix D Ultra-Deepwater Offshore Technology Roadmap page 99). Sources of data include, but are not limited to:
 - Department of Energy
 - U.S. Patent Office
 - SPE Paper Abstracts
 - SPE Symposia Proceedings
 - University Symposia Proceedings
 - Other Symposia Proceedings
- Use and evaluate commercial off-the-shelf software to organize and structure the data so that queries may be performed against it.
- Compare results of querying the structured database to those from well-known public internet search engines such as Google and Yahoo.

See Appendix A. AmericaGoDeep.com Proposal—3/24/03, (page 61) for a detailed description of the original concepts and goals of the America Go Deep project.

1.1 Conclusions

These conclusions were developed from actual use of the Goldfire tools (see section 2.2 Software) and competing products on two particular arenas of oil and gas exploitation knowledge. Specific results are given and discussed in Chapter 4, Query Analysis & Results (UDW OT Roadmap), and Chapter 5, Query Results & Analysis (Unconv. Gas Roadmap)

- Goldfire Search's "*natural language*" query capability is sometimes, but not always useful.
- Goldfire Search's Boolean-keyword (as opposed to "*natural language*") query capability is sometimes necessary to achieve the best results.
- Goldfire Search's supplied patent Knowledgebases provide a convenient and powerful way to search for U.S., European, WIPO (World Intellectual Patent Organization), and Japanese patents simultaneously, with one query operation.
- Industry symposia and technical society papers can be built into very useful Goldfire Knowledgebases for convenient and rapid querying.
- A modest amount of experimentation and skill with Boolean-keyword queries can also achieve powerful and useful results from public search engines such as Google and Yahoo.
- The open-source utility, wGet is an effective way to gather information by using public search engines to point to individual websites containing documents of interest.

- Material collected by wGet may be incorporated into Goldfire Knowledgebases, so that one Goldfire query can potentially search multiple patent databases and a multitude of public websites in a matter of a few seconds.