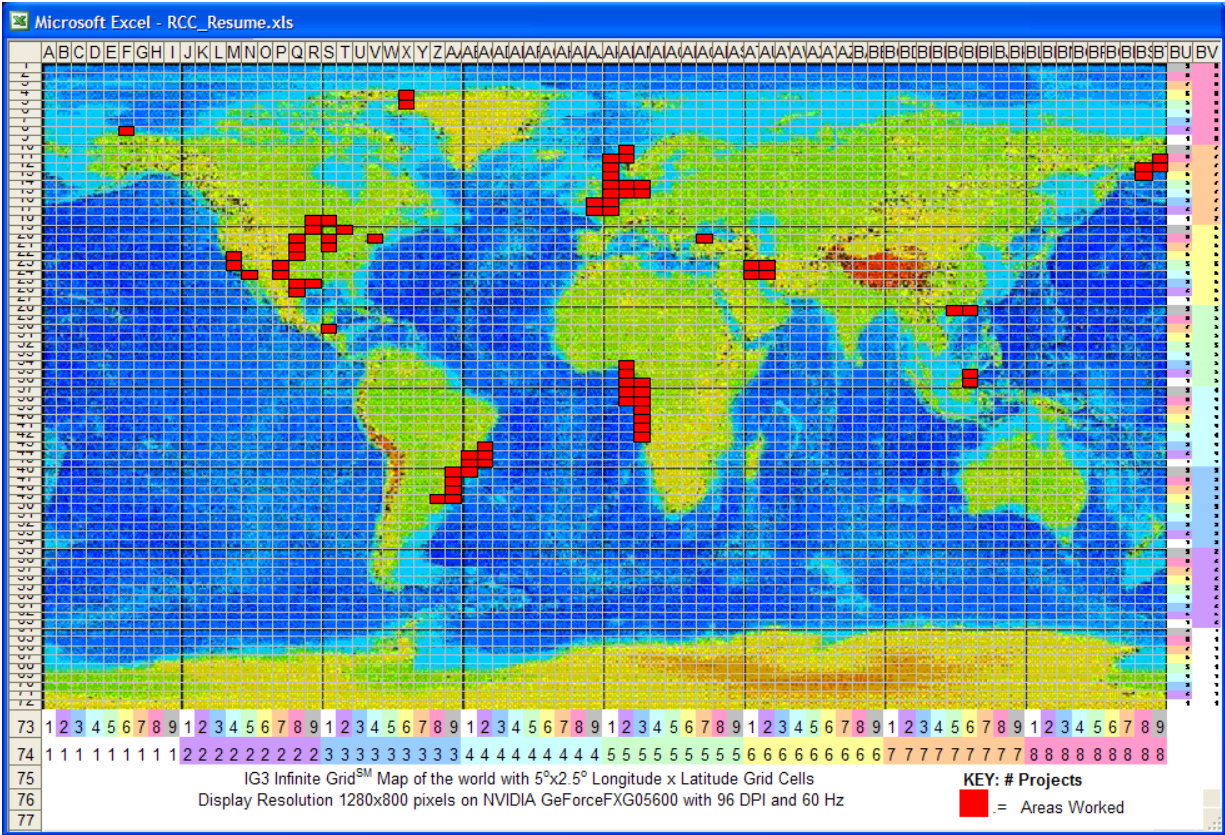


RICHARD L. COONS, PH.D.
CONSULTING GEOPHYSICIST
RESOURCE TECHNOLOGIES
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SUMMARY OF EXPERIENCE

Providing consulting services to Devon Energy in an evaluation of their Cabinda Concession as well as areas to the north and south in Angola, Congo, Gabon (April 1, present). Evaluating Devon’s areas in Brazil (since the beginning of 2007). Considered by Devon to be the expert on exploration for hydrocarbons within the pre-salt section of the South Atlantic.

Chief Geophysicist for Cabinda Gulf Oil between 1970 and 1973. During this period supervised onshore / offshore Cabinda seismic acquisition, processing and interpretation. This was a critical period during which I supervised the replacement of all onshore and offshore geophysical data in Cabinda. The resulting improvement in seismic data quality led to major field discoveries which have since produced over one billion barrels of oil.



Because of recent success in the deep water of the Gulf of Mexico, Devon is divesting its interests in Africa. This will allow Devon to reassign limited capital and personnel to the Gulf of Mexico, which is a Devon core area. This will release me to resume my depth imaging studies in the Gulf of Mexico, as well as to provide consulting services to other clients who have an ongoing interest in West Africa.

Before founding Resource Technologies in 1987, I spent five years as Regional Manager and Vice President of Forest Oil Corporation. I supervised and directed five division offices in the U.S. and Canada. I have also worked for Argo Petroleum Corporation and spent sixteen years working for Gulf Oil Corporation and Gulf Research and Development in such diverse locations as Pittsburgh, Midland, Bakersfield, Copenhagen, London, and Luanda, Angola.

Resource Technologies has provided velocity analysis and depth imaging services to oil companies throughout the world, specializing in evaluation of gas chimneys, fault shadows, channels and other situations where low velocity lenses cause depth highs to be time lows and thus to not be recognized as to their true exploration value. I have also specialized in studying how time highs can be caused by one way or two way travel time through salt lenses which can produce time pull ups and pseudo faults which do not represent actual sub-salt structure.

CHRONOLOGY

April, 2006 - Present

Consultant - West Africa, Brazil, China for Devon Energy, Houston, Texas

Resource Technologies, Houston, Texas

Founder / President

July, 1987 – Present

Establish new company specializing in resource evaluation incorporating depth imaging and interpretation of geological and geophysical data over oil and gas prospects and developing oil and gas fields. Develop software which represents the state of the art in velocity analysis and depth conversion.

Forest Oil Corporation, Corpus Christi and Midland

TX Regional Manager/VP

February, 1982 – July, 1987

Supervise and direct five divisions of FOC (Corpus Christi, Midland, Lafayette, Denver and Calgary). Supervise regional staff composed of Chief Geologist, Chief Geophysicist, Reservoir Engineering Manager, Drilling and Production Manager, Financial Coordinator, and Legal Counsel.

Argo Petroleum Corporation, Los Angeles, CA

Exploration Manager

August, 1980 – February, 1982

Direct the Corporate Exploration Department and Division offices in Midland, Texas and Ventura, Calif. Guide exploration operations in California, Texas, Oklahoma, Kansas, and Louisiana.

**Gulf Oil Corporation, Southwest District, Midland, TX Manager of Technology
June, 1979 – August, 1980**

Supervise all geological special projects, seismic acquisition, and data processing.

**Gulf Oil Corporation, Geoscience West Coast, Bakersfield, CA Manager
October, 1976 – June, 1979**

Direct a geological and geophysical staff in the application of exploration technology in Nevada, California, and Alaska.

**Gulf Research and Development, Harmarville, PA Director of Seismic Processing
March, 1976 – October, 1976**

Evaluate problem areas on a world wide basis where new seismic techniques could be effectively used.

**Gulf Research and Development, Harmarville, PA Research Associate
June, 1973 – March, 1976**

Develop new methods in seismic direct detection of hydrocarbons, and in the extraction and use of velocity and amplitude data from seismic surveys world wide.

**Cabinda Gulf Oil, Luanda, Angola Chief Geophysicist
January, 1970 – June, 1973**

Supervise all geophysical interpretation offshore and onshore Cabinda. Initiate project to replace all seismic data with modern digital data. Select all wildcat locations, which led to several oil discoveries in carbonate porosity traps. Production increased during this period by over 100,000 BOPD.

**Gulf Oil Company North Sea Chief Geophysicist
June, 1969 – January 1970**

Led preparations for 1969 Offshore Scotland Lease Sale. Recommended leases which resulted in 6 major field discoveries.

**Gulf Research and Development, Harmarville, PA Supervisor Geophysics Section
September, 1968 – June, 1969**

Supervise integrated geophysical research.

**Gulf Oil Company Denmark, Copenhagen, Denmark Temporary Assignment
March, 1968 – September, 1968**

Conduct review of onshore and offshore Denmark so that portions of the concession could be approved for relinquishment. Integration of all exploration data was required.

**Gulf Research and Development, Harmorville, PA Supervisor, Potential Methods
June, 1964 – March, 1968**

Supervise all gravity and magnetic interpretation projects and regional studies based on gravity and magnetic data world wide. Supervise research on new methods of gravity and magnetic analysis and processing. Develop methods for inverse 3D modeling based on gravity data. Develop high order Least Square Surface Fitting methods. Replace Sigmund Hammer as Supervisor of gravity section on his retirement in 1966. Replace Scotty Afflick on his retirement as Supervisor of Magnetic Research in 1967. As the youngest research supervisor in Gulf, I was also responsible for recruiting and training for the Exploration Research Department.

EDUCATION

40+ years of industry experience, learning what to do, and, more importantly, what not to do.
PHD University of Wisconsin, 1964 Major: Geophysics
BS University of Wisconsin, 1960 Major: Geology / Mathematics (Double Major)

PUBLICATIONS

- Exploration below gas – charged low velocity zones: Presented at 6th Annual Gulf Coast Exploration and Development Meeting and Exposition, April, 1990
- Exploration below salt – A lot of noise: Presented at 6th Annual Gulf Coast Exploration and Development Meeting and Exposition, April, 1990
- Velocity analysis and depth conversion via PC: Presented at 3rd Annual Gulf Coast Exploration and Development Meeting and Exposition, April, 1987
- Regional gravity analysis of the Mid-Continent Gravity High: AAPG, 1964
- Least square polynomial fitting of gravity data and case histories: proceedings of the 3rd Annual Conference on Computers in the Mineral Industries, 1963. (Invited to give the “Pro” side on why computers would be used in mineral exploration in the future)

POSITIONS and APPOINTMENTS

- General Chairman, 3rd Annual Gulf Coast Exploration and Development Meeting and Exposition, April, 1987
- President school board, Escola Inglesa De Luanda, Angola: 1970 – 1973.
- Assoc. Editor Institute of Geophysics, Trieste, Italy: 1968 – 1970.
- Advisor to Oceanographer of Navy: 1962 – 1968, Advise U.S. Navy on marine geophysics and computer systems.