



CURRICULUM VITAE

PERSONAL:

NAME: Christopher Robert PORTER

ADDRESS: Norwood, South Australia

DATE OF BIRTH: 20 September 1940

HOBBIES AND INTERESTS: Golf, Gardening, Cooking, Reading, Travel

OVERVIEW: Extensively experienced senior manager suited to a Non-Executive Board Member role with focus on senior level Industry / Government liaison, Project Management and management level Mentoring.

EDUCATION:

1958 - 1961 **Adelaide University**
B.Sc. (Honours) Geology
(Commonwealth Scholarship)

September 1966 - September 1968 **Colorado School of Mines - U.S.A.**
M.Sc. Geophysical Engineering
(Petrophysics) (Phillips Petroleum
Scholarship)

June 1988 - August 1988 **Stanford University - U.S.A.**
Senior Executive Programme (SEP)
School of Business Studies

EMPLOYMENT HISTORY:

March 2002 - October 2011 **Non-Executive Director**
Cooper Energy LTD.

August 2000 - 2009 **Consultant Geologist**
Clients: Pannonian Austral CBM Group
(Australian Agent) 2001-2006
CBM Project-Murray Basin
U.S.A Client.
Cooper Energy 2001. Advisory
role prior to Float.
Minotaur Resources. (2001-2002)

January 1990 - July 2000 **Manager - Technical Services**
SANTOS Limited



June 1998 - July 2000

Responsible to General Manager -
Exploration Corporate

September 1993 - June 1998

Responsible to General Manager -
South Australian Business Unit

January 1990 - September 1993

Responsible to Executive General Manager -
Exploration
(Deputised for Executive General Manager
through 1st half 1992)

Responsible for providing following services to all SANTOS Business Units.

Operations Geology, Major Contracts, Wireline, Mudlogging & Wellsite Services

Operations Geophysics - Major Contracts - Seismic Acquisition - Processing

Palynology - One of two fully equipped Labs in Australia

Petrophysics

Drafting/Reprographics/Graphic Design/Web Design

Exploration Computing Services - Technical I.T.

- * Six direct reports - total staff 55.
- * Involved in coordinating staff training.
- * Responsible for field operations, contracts and budgets.
- * Involved in reviewing new technology and recommending implementation where appropriate i.e., workstations.
- * Four week assignment to manage SANTOS UK Office in Guildford Nov-Dec 1991.

January 1989 - December 1989

**Contract Oil/Gas Consultant
SANTOS Limited**

Adelaide

- * Responsible for acreage rationalisation onshore Australia i.e., relinquishment, farmout and sale of producing and non producing properties.
- * Review of log evaluation techniques in Cooper Basin.

1975 - 1988

August 1985 - November 1988

**Western Mining Corporation Ltd.
General Manager - Petroleum**

Adelaide

- * Responsible to Director of Exploration.
- * Responsible for exploration out of Adelaide, Perth and Houston offices, production out of Perth office and U.S.A. property acquisitions out of Houston office.
- * Responsibilities included negotiations with other companies, both to acquire interests and to sell interests on WMC's behalf, to manage those properties on behalf of WMC and other joint venturers.
- * Responsibilities were expanded in 1987 with the commitment to undertake an offshore W.A. development - the Airlie Project (South Pepper-North Herald oil fields) which came on stream on 27th December 1987. WMC has the management responsibility and a 40% W.I.

Major Accomplishments included:

- * Directed and participated with staff in developing two small offshore W.A. oilfields



on time and under budget. (WMC was awarded a Certificate of Merit for innovative work on this project by the Australian Energy Management Group).

- * Established a well respected petroleum section within WMC from scratch over a 13 year period which employed up to 90 people in three offices. (At one time WMC had the 5th largest net acreage position in Australia).
- * Successfully negotiated WMC's entry into the U.S.A. oil scene. (Greenhill Petroleum) - Houston.
- * Established reserves (oil/gas) in W.A., S.A., Qld and U.S.A.

1975 - 1988

June 1980 - August 1985

Western Mining Corporation Ltd

Exploration Manager - Petroleum

Adelaide

- * Responsible to Director of Exploration.
- * Responsible for reporting to board on exploration activity out of Adelaide and Perth office, budgeting, strategy etc.
- * Responsible for acreage management - acquisition and relinquishment of permits.
- * Responsible for updating to Joint Venturer and various state governments and the federal government.

Major Accomplishments included:

- * Participated as team member in successful acquisition of MESA Australia assets which included prospective acreage in Queensland, Bonaparte Gulf, Timor Sea and Barrow Sub Basin. (The latter acquisition increased WMC's holdings from 20-40% W.I. in the prospective South Pepper - North Herald permit). Oil was subsequently discovered in the Queensland Block.
- * Established fully serviced team in two offices (Perth and Adelaide) Geoscientists/ Operations/ Accounts/Legal/ Commercial plus Computing/Drafting and secretarial support.
- * Participated in the adaption of slim hole mineral drilling techniques in oil exploration drilling in the Canning Basin thus enabling WMC to be the first company to work through the wet season in this area.

1975 - 1988

February 1977 - June 1980

Western Mining Corporation Ltd

Regional Exploration Manager - Petroleum

Adelaide

- * Continuation of responsibilities listed over.

Major Accomplishments included:

- * Increased WMC's holdings in the Cooper Eromanga Basin (Queensland). WMC subsequently participated with Delhi/SANTOS in a number of significant discoveries.

1975 - 1988

1975 - February 1977

Western Mining Corporation Ltd February

Consulting Geoscientist (Staff Position)

Adelaide

- * Charged with responsibility for establishing a Petroleum section within the Exploration Division of WMC, reporting to Exploration Manager.



- * Responsible for recruiting at a pace commensurate with activity level. This not only included Geologists and Geophysicists but all service and support staff.
- * Responsible for acreage acquisition by either application or farmin.
- * Responsible for developing overall exploration strategy.
- * Responsible for developing total work environment, continuing training, internal and external.
- * Basin Evaluation - Play generation for acquisition, farmin and drilling etc.

September 1970 - January 1975

**Consultant Geologist/Geophysicist
C.R. Porter Pty Ltd**

Adelaide

Provided a consulting service in quantitative log analysis, reserve calculations, seismic interpretation and basin evaluations.

Clients included:

SANTOS Ltd
Woodside Petroleum
Cooper Basin Consortium (include. SANTOS, Delhi, Vamgas etc)
A.O.G. (Australia and U.K.) Lime and Marble (N.Z.)
Beach Petroleum (Turkey) Hartogen
Beaver
Southern Pacific Petroleum (Italy)
Amax Petroleum
Alliance Petroleum

Major Accomplishments included:

- * Early evaluation of NW Shelf logs
- * Log interpretation of Scott Reef, Angel and Rankin prior to Burmah's involvement - correctly predicted gas, gas/condensate production.
- * Re-evaluation of Cooper Basin logs was instrumental in having a second well drilled at Dullingari which proved enough gas reserves to contract to the Sydney market in the early 1970's.
- * Developed an equation (Porter equation 1973) to aid in the quantitative evaluation of well logs in the Permian of the Cooper Basin S.A.
- * Seismic interpretation in North Sea (Moray Firth) and Trobriand Islands for AOG.

1964-1970

November 1969 - August 1970

**Phillips Petroleum Company
Senior Geologist**

Singapore

- * Basin Evaluations - West Irian Indonesia.
- * Company representative to Djakarta, Indonesia. Intercompany and Government liaison.

1964-1970

July 1969 - October 1969

**Phillips Petroleum Company
Staff Geologist**

Brisbane

- * Basin evaluation. Client representative to seismic crews in the Arafura Sea and Teluk-Berau areas, West Irian, Indonesia.



1964-1970
October 1968 - July 1969

Phillips Petroleum Company
Staff Geologist

Bartlesville, Oklahoma (Head Office)

- * Assigned to international department
- * Assigned to formation evaluation section: Offshore Californian and Gulf Coast areas

Published Formation Evaluation paper with the then president of the S.P.W.L.A.

- Phillips training programme:
- Engineering Division - economic analysis
- Hydrodynamics - D.S.T. analysis
- Computer applications
- Carbonates - sandstones

1964-1970
September 1966 - September 1968

Leave of Absence from Phillips Petroleum
Colorado School of Mines M.Sc Programme
(Phillips Petroleum Scholarship)

1964-1970
November 1964 - August 1966

Phillips Petroleum Company
Geophysicist/Geologist

Brisbane

- * Seismic interpretation - client representative on Petty & Western crews in Western Queensland and the Gulf of Papua. Well site Geologist in Western Queensland.

March 1964 - October 1964

Australian Aquitaine
Junior Geophysicist

Brisbane

- Interpretation of refraction and reflection data.
- Client representative on seismic crews in the Simpson Desert, Northern Territory.

March 1962 - February 1964

W.E. Strangman
Consultant

Sydney and Los Angeles Offices

- Geophysical "computer" and "jug hustler" on seismic crews in the Hunter River Valley, New South Wales, CRP crews in West Texas and the swamps of Louisiana.
- Well site geologist in the Sacramento Valley, California.

COURSES:

Have attended a number of exploration, engineering, economic evaluation and management courses relevant to my career over the years.

VACATION EMPLOYMENT:

Jan-Feb 1962 Geosurveys: Hallett Cove Percussion Drilling Jetty Pylons.



Jan-Feb 1961 Snowy Mountain Scheme Underground Tunnel Mapping Refraction Seismic.

Jan-Mar 1960 Army Woodside S.A.

Jan-Feb 1959 MagellanOil Alice Springs-Gravity Surveying-Waterhouse Ranges N.T.

Jan-Feb 1958 Geosurveys/Inco Nickel Exploration (EM) Blackstone Ranges W.A.

OTHER ACTIVITIES:

Visiting Lecturer/Thesis Advisor - Adelaide University 1970 - 1983.

Lecturer Australian Mineral Foundation Workshop Courses.

- * Prepared and ran an AMF course entitled "Formation Evaluation". First presented in 1973 and repeated in 1975.
- * Prepared and ran successful AMF course entitled "Petroleum Geology and Exploration for Non Geologists" - first presentation in 1983 and repeated in 1984, 1985 and 1987.

South Australian Institute of Technology Committee, Department of Applied Geology Petroleum 1973 - 1975

Australian Petroleum Exploration Association (APEA); Councillor, 1977 - 1980, 1988

APEA - Education and R & D Sub-Committee, 1992-1996

APEA - CRC Sub-Committee - R & D Allocation, 1992 - 1996

Petroleum Exploration Society of Australia (PESA)

S.A. Branch President 1980 - 1982

Committee Member 2006-Present

Organised Cooper Basin Forum in SA 2004-5-6

Organised Cooper Basin for EABS 3 Sydney September 2008

Organised S.A. Basin Symposium March 2010

National Centre for Petroleum Geology and Geophysics - University of Adelaide

Advisory Board Member: 1985 - 2010

Chairman - Geoscience Advisory Board: 1992 - 2008

APCRC Committee: 1992 - 1996

PESA Meritorious Service Award: 2008

PUBLICATIONS:

Porter, C.R., Pickett G.R., & Whitman, W.W. 1969. A Statistical Method for the Determination of Water Saturation from Logs. The Log Analyst Vol. X, No.6 (Abbreviated publication M.S. Thesis).

Porter, C.R., & Curruthers, J.E. 1970. Formation Factor - Porosity Relation derived from Well Log Data, SPWLA Logging Transactions.



Porter, C.R., 1971. A Note on the Quantitative Evaluation of Well Logs in Offshore California using the Statistical Method. The Log Analyst Vol. XII, No.1.

Porter, C.R., Crocker, H., 1972. Petrophysics of the Cooper Basin. APEA Vol.12, Pt. 1.

Unpublished Porter, C.R, 1974. Permian Waters of the Cooper Basin (Their Salinity, Composition, Genetic Characteristics etc) Cooper Basin Consortium.

Porter, C.R., 1976. An Empirical Approach to the Determination of Porosity, Shale Percentage and Permeability of Permian Sandstones in the Cooper Basin, South Australia. APEA Vol.16, Pt. 1.

Porter, C.R., Seedsman, K.R., Wiltshire, M.J., Keenihan, S.L., Ashton, S.M., 1977. Surat Basin - Petroleum Potential and Prospects. PESA Symposium Queensland Branch.

Porter, C.R., 1978. The Pedirka Basin - A Preliminary Exploration Review. APEA Seminar, Onshore South Australia, Adelaide 19th July 1978.

Porter, C.R., 1980. Geochemistry and SP - Resistivity Calibration of Subsurface Waters - Surat Basin Area. APEA Vol. 20, Pt. 1

Porter, C.R., 1981, Onshore Petroleum Potential - A Philosophy of Optimism. ASEG Conference, Adelaide, August. Keynote Speaker.

Porter, C.R. & Egan, H., 1983. The Application of Mineral Drilling Techniques in Oil Exploration. PESA Journal Vol.1, No.3.

Porter, C.R., 1990. A Review of Petrophysics of Cooper Basin Reservoirs in South Australia. PESA Journal No.16.

PROFESSIONAL ASSOCIATIONS:

Member of PESA - Petroleum Exploration Society of Australia.

Member of ASEG - Australian Society of Exploration Geophysicists.

Member of AAPG - American Association of Petroleum Geologists.

Member of SPWLA - Society of Professional Well Log Analysts.

Member of SEG - Society of Exploration Geophysicists (1964 - 1988).

Member of SPE - Society of Petroleum Engineers of AIME (1980 - 1988).



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