

# STEPHEN E. BALOG

**B.SC., P.ENG.**

SENIOR PETROLEUM AND EVALUATIONS ENGINEERING  
CONSULTANT AND ADVISOR  
PRINCIPAL, ALCONSULT INTERNATIONAL

## CONTACT INFORMATION

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+1.403.815.3353  
sbalog@alconsult.net

#600, 744 - 4th Avenue S.W.  
Calgary, AB, Canada T2P 3T4

[www.alconsult.net](http://www.alconsult.net)

Stephen Balog has forty-three years of experience in the oil and gas industry in production and exploration operations, petroleum engineering, property evaluations and mergers/ acquisitions. He has held senior engineering, operations and executive management positions in both senior and junior production companies. He has a proven track record in planning and leading major oil and gas development and exploitation projects, and the management of oil and gas operations throughout Western Canada. Mr. Balog has strong operations management, people and technical skills combined with excellent industry knowledge and business contacts.

Mr. Balog has led and coordinated several major projects to develop and exploit natural gas, heavy and conventional oil. Technical and project management experience includes oil and gas field development, production optimization, operations management, enhanced recovery process evaluation and project design, property evaluations, corporate reserves management, joint venture operations and acquisitions/ divestitures.

He has founded and been a principal or director of several junior oil companies and consulting firms including Belaire Energy Corporation, Niven Fischer Balog Energy Management, Tasman Exploration, West Butte Management Inc. and Alconsult International Ltd. As a Principal of Alconsult International Ltd. Mr. Balog now provides advisory services to oil and gas corporations, specifically in the areas of project management, acquisitions and divestitures, oil and gas development, production operations and petroleum engineering.

Mr. Balog currently serves as a Director of Advantage Oil & Gas Ltd., a public company with 19,000 boepd of production in Western Canada. He served two terms on the Petroleum Advisory Committee of the Alberta Securities Commission and is a member of several industry associations including the Society of Petroleum Evaluation Engineers where he served on the Reserves Evaluation Committee to draft and edit Volumes I and II of the Canadian Oil & Gas Evaluation Handbook. The latter has become the industry standard for the evaluation and appraisal of reserves. He is a registered member of the Association of Professional Engineers and Geoscientists of Alberta.

# **KEN VARGAS**

**B.SC., P.ENG.**

SENIOR MECHANICAL AND PROCESS ENGINEER, PROJECT MANAGER  
MANAGING DIRECTOR, FALCON EDF LIMITED

**CONTACT INFORMATION**  
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+1.403.253.2741  
kvargas@falcon-sdf.com

#600, 744 - 4th Avenue S.W.  
Calgary, AB, Canada T2P 3T4

www.alconsult.net

Ken Vargas has forty years of experience in the upstream oil and gas and petrochemical industries. His experience includes all facets of plant and facilities design, operations, drilling, maintenance, petroleum engineering and project management. He has significant worldwide industry experience, and has a broad background in offshore projects.

He is the Principal and founder of Falcon EDF Limited, an engineering, project management and process design firm for oil and gas facilities headquartered in Calgary, Canada.

Mr. Vargas' extensive experience includes upstream facilities process design for conventional oil and gas, heavy oil, sour gas, natural gas liquids recovery, and enhanced recovery projects (carbon dioxide and alkaline/ surfactant/ polymer floods). Several of these projects involved full process engineering design, procurement and construction project management. Mr. Vargas has the technical skills, industry knowledge and project management experience to deliver cost effective, safe and efficient facilities.

Ken Vargas is a registered Professional Engineer with the Association of Engineers and Geoscientists of Alberta (APEGA). He holds a degree in Mechanical Engineering from the United States Air Force Academy.

# JAMES IRELAND

**B.SC.**

ENVIRONMENTAL AND WATER RESOURCE MANAGEMENT  
PRESIDENT, ERIN CONSULTING LTD., PRAIRIE BIOGAS, POWER CORP.

## CONTACT INFORMATION

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+1.306.337.2056  
jireland@erinconsulting.com

#600, 744 - 4th Avenue S.W.  
Calgary, AB, Canada T2P 3T4

[www.alconsult.net](http://www.alconsult.net)

Jim Ireland has thirty-five years of environmental management experience in oil and gas exploration and development, waste management and energy conversion projects, and environment-based business development.

Mr. Ireland has provided leadership and direction to the environment management needs of corporations both in a staff and consulting role, and has consistently achieved a high level of regulatory compliance in support of these operations. His working knowledge of corrosion technology, safety and training, and regulatory affairs in several jurisdictions has enabled Jim to effectively integrate these disciplines into environmental management plans and projects for which he has gained industry and government recognition. Jim Ireland's key strength is his pro-active approach to implementing environmental management strategies and operating plans, and making these work under a wide range of business scenarios.

Most recently Mr. Ireland established ERIN Consulting Ltd. which with a staff complement of 10+ professionals has become a significant ecological consulting company in Western Canada. ERIN has completed a wide range of projects including: Oil and Gas Industry Environmental Impact Studies; Power Line Environmental Impact Studies; Wind Power Environmental Impact Studies; Northern Saskatchewan Opportunities Assessment; Climate Change Indicators Report; Remediation Design for a Large Refinery Site.

During his tenure at Wascana Energy Inc. (Saskoil) between 1981 and 1995 Mr. Ireland established an Environmental Affairs Department. The department had responsibility for all environmental management and environmental approvals for oil and gas operations and exploration. Part of his duties included the response to oil spills and to the remediation of spills. His experience in oil and salt water spill remediation started in 1983, with a technical review and evaluation of spills. This included some of the first in-situ remediation for brine spills in Saskatchewan. As well, Mr. Ireland was responsible for the evaluation of the liabilities from oil and gas operations - estimating the damage from oil spills and the requirements for remediation.

Jim Ireland is a member of the Saskatchewan Environmental Managers Association and the Alberta Society of Professional Biologists. He holds a B.Sc. in Biology from Moorhead State College (MN, USA) and an M.A. the in Physical Anthropology from the University of Toronto.