

Stephen S. Lange - Exploration Geologist

Mr. Lange received his B.A. and M.A. degrees in Geology in 1961 and 1963 from the University of Missouri. He has over 45 years experience in petroleum exploration and exploitation in the Rocky Mountain area, working both carbonate and clastic sediments. He began his professional career as an exploration geologist with Mountain Fuel Supply Company ("MFSCO") from 1963 to 1974, and advanced to the position of Western Division Development Geologist. As an exploration geologist, Mr. Lange generated prospects in Arizona, Colorado, New Mexico, Utah and Wyoming. While at MFSCO, Mr. Lange was directly responsible for the discovery of Piute Knoll and Cowboy Fields in the Paradox Basin of Utah, and originated the geologic reports and drilling recommendations which resulted in the discovery of Butcher Knife Springs Field on the Moxa Arch in the Green River Basin and Brady Field, with reserves of 123 million barrels of oil and 1 TCF of gas, in the Washakie Basin. Mr. Lange also participated in the discovery of Cedar Rim - Sinks Draw field in the Uinta Basin, Utah. As Western Division Development Geologist, he was responsible for originating and overseeing the development drilling program for all MFSCO fields west of the Continental Divide. He supervised the Development Staff and provided liaison between Mountain Fuel and industry partners and governmental agencies.

Mr. Lange also held the position of Senior Exploration Geologist with Tenneco Oil Company and with Anadarko Production Company subsequent to his tenure with MFSCO. There, he generated prospects in the North Central Montana Uplift, the Williston Basin and the Greater Green River Basin and Sand Wash Basins of Wyoming and Colorado. In 1979 Mr. Lange took a position with Inexco Oil Company, and in 1980 was promoted to Division Geologist for the Rocky Mountain Division. While at Inexco, Mr. Lange was responsible for the discovery of Berthold and Lockwood Fields in the Williston Basin. Upon leaving Inexco, Mr. Lange worked for Cimarron Resources (the exploration consultants for Nerco Oil and Gas, for the Rocky Mountain Division). At Cimarron, he developed an exploration program in the Mission Canyon Formation of the Williston Basin, which became Nerco's main exploration thrust in the Rockies.

Since 1986, Mr. Lange has been an independent geologist originating prospects in the Williston Basin, Greater Green River Basin, and the Sand Wash Basin. At TPA since 1991, he has worked or is working on projects in the Illinois Basin, southeast and central Kentucky, Michigan, western New York, the Uinta Basin and central Utah and the Wyoming basins.