

ARCHIVES

Newsletter of the Petroleum History Society

May 2019; Volume XXX, Number 4

P.H.S. Lunch and Learn Meeting – Wednesday, May 1, 2019

Applied Political (Geo) Science: Central European Petroleum Ltd.'s Experience in the Borderlands of Eastern Germany and Western Poland

by Dr. Peter Putnam, Geologist

Despite challenges of operating in areas of Eastern Europe that were previously under Soviet domination, a potentially large liquids-rich gas discovery has recently been made by the Canadian company, Central European Petroleum (CEP), in the eastern German state of Brandenburg. In western Poland, forensic work conducted by CEP upon historic and recently released public archives in Germany has resulted in the creation of a substantial conventional gas opportunity in the Wolin region. Our speaker will review a number of lessons learned that have allowed their company to operate successfully in this often overlooked region.

Please see page 2 of this issue for a continuation and a brief biography of our speaker.

Time: 12 noon, Wednesday, May 1, 2019
Place: Calgary Petroleum Club
319 - 5 Avenue SW, Calgary; Cardium Room (but check marquee).
Dress: Business casual.
Cost: P.H.S. Members and Student Members \$35 and Guests \$40 (most welcome).
Only cash or cheque at the door. Payment can be made in advance by credit card or by e-mail. Please advise payment method with reply.
Lunch: Soup, sandwiches and cookies. Gluten-free? Vegan? Advise with reply.

NOTE: Instructions for registering for the Luncheon:

Reply, if you wish to attend, to: Micky Gulless at 403-283-9268 or micky@petroleumhistory.ca by noon, Monday, April 29, if not sooner.

Those who register but do not come, or cancel after the deadline, will be invoiced.

Those who do not register by the deadline may not get a seat.

The Bull Wheel



Call for contributions and speakers: The Petroleum History Society values your input. If you have an article that you'd like to see in *Archives* or if you have a talk that you'd like to give, please get a hold of us. Contact President Clint Tippet at the address indicated on page 3.

Election Results (Ours): The Annual Meeting of the Society took place on March 27, 2019. The members of the Executive and Board from 2018-2019 had agreed to stand again for 2019-2020 and were acclaimed. Just to remind you of who these folks are and their positions:

President: Clinton Tippet

Vice-President: Bill McLellan

Treasurer and Past-President: Micky Gulless

Secretary: Ross Gourlay

Directors: Ian Kirkland, Wayne Dwyer, Judy Frame, Ross Hicks, David Finch, Penny Colton

May 1 Luncheon – Abstract (Part 2) and Peter Putnam biography: Petroleum energy markets of Central Europe are materially influenced by present-day geopolitical stresses between Russia and the so-called 'West'. These stresses, and the commercial opportunities created by them, have origins anchored within the 20th Century history of this region. In the former German Democratic Republic (GDR) of eastern Germany, petroleum activity has been historically hampered by both the domination, prior to 1990, of a communist national petroleum company (EEG) and, since German reunification, by German Mining Law that greatly restricts public access to subsurface data and information. In Poland, after the end of communist rule, three national petroleum companies were created and these dominate conventional upstream activity in the country. Access to the Polish opportunity has been facilitated by recent EU-based rules governing the disposition of petroleum licenses in Poland combined with the onerous rules of pre-qualification put in place by the Polish authorities to effectively discourage Russian participation within Poland's upstream industry.

Peter Putnam is a geologist with 40 years of varied global experience at both technical and executive levels. His endeavors have covered the areas of exploration, development, operations, reserves assessments, research and training. With experience on six continents, he is currently the Chair and Chief Executive Officer of Central European Petroleum Ltd., a private petroleum company focused on eastern Germany. Peter holds a Ph.D. from the University of Calgary and is a Past-President of the Canadian Society of Petroleum Geologists and a former adjunct professor at the University of Calgary.

UCP Promise: One interesting feature of the UCP platform in the recent provincial election is a promise that wells will be grandfathered according to the royalty regime under which they are drilled. In other words, no more bait and switch. Those of you with long memories will recall that back in the 1980's when royalties were in flux, that there was just such an arrangement with "old oil" paying one level of royalty and "new oil" paying another. The current royalty system is a lot more complicated and sophisticated - designed to take into account the maturity of the basin and the various technologies, like horizontal drilling, that are employed to exploit it. It remains to be seen, however, whether that knife cuts both ways – specifically what the UCP government will do about all of the support that the former NDP regime promised to multiple petrochemical operators to build a myriad of new facilities in the province. They may have given the railroads a signal that the tank car purchase contracts would be canceled but nothing similar to that has been stated for these big capital projects. Perhaps it shouldn't be a surprise that the UNIFOR union came out in support of the NDP in terms of major projects for their union members. In addition, some of the support given to operators like Shell for their carbon sequestration project was in the form of credits against carbon taxes otherwise payable. If the carbon tax is repealed, what happens then? We live in interesting times.

Calgary Roughnecks Lacrosse Team: I had the good fortune to attend a Roughnecks game recently - played at the Saddledome against the Georgia Swarm. The oilpatch symbolism for the team is very strong so if you want to get a morale boost, buy a ticket. They have a big model rig that they roll out at the beginning of each game – and it spurts fire in multiple directions. When a home goal is scored, steam jets erupt along the boards. Of course the team jersey features a heroic roughneck in a hard hat with his sleeves rolled up with the mountains as a backdrop. There are plenty of teams around like the Flames and the Oilers but none of them match this display of oilpatch devotion.

Turner Valley Exploration – Royalite #4 Prognosis 1923: It has always been a bit mysterious as to why Imperial Oil's subsidiary Royalite decided to drill through the productive Cretaceous-Jurassic section in 1923-24 at the Royalite #4 location, just to the north of Turner Valley. No well prior to that time had drilled into the Paleozoic in this region and "common knowledge" (based on experience south of the border) was that the Mississippian would be water wet and therefore not prospective. This would have been an expensive test. And indeed the well did not "come in" until they had drilled almost all of the way through the upper carbonate section – nearly 100m into what we now know as the Turner Valley Formation (then called the Madison Formation through correlation into the Montana region). Was this just a speculative rank wildcat or had there been clues? Has anyone ever seen this paperwork?

Archives is published approximately eight times a year
by the Petroleum History Society for Society members.

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Back issues are archived on our website at <http://www.petroleumhistory.ca/>

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**CITATIONS FOR 2018 PETROLEUM HISTORY SOCIETY AWARDS
PRESENTED MARCH 27, 2019**

BOOK OF THE YEAR AWARD FOR 2018

TO
JACQUES POITRAS
FOR
**“PIPE DREAMS:
THE FIGHT FOR CANADA’S ENERGY FUTURE”**
PUBLISHED BY VIKING CANADA, 318 P.

ARTICLE OF THE YEAR AWARD FOR 2018

TO
RUTH W. SANDWELL
FOR
“THE COAL-OIL LAMP”
PUBLISHED IN: “*AGRICULTURAL HISTORY*”
V. 92, NO. 2 (*ARTIFACTS IN AGRARIA*), PP. 190-209

MULTIMEDIA AWARD FOR 2018

TO
GLENBOW MUSEUM
FOR
THEIR DISPLAY ENTITLED: **MAVERICKS:**
AN INCORRIGIBLE HISTORY OF ALBERTA – PETROLEUM SECTION

PRESERVATION AWARD FOR 2018

TO
CAMERON TRELEAVEN
FOR
FACILITATING THE PRESERVATION OF BOOKS, OTHER PUBLICATIONS AND RELATED
MEMORABILIA CONNECTED TO THE HISTORY OF THE PETROLEUM INDUSTRY
THROUGH VARIOUS COMMERCIAL AVENUES ASSOCIATED WITH “AQUILA BOOKS”

LIFETIME ACHIEVEMENT AWARD FOR 2018

TO
RANDAL KABATOFF
FOR
A PROLIFIC CAREER INCLUDING THE PUBLICATION OF NUMEROUS EDITIONS IN SOUL
OF CANADA’S COMPREHENSIVE
“*CANADA’S PETROLEUM PIONEERS*” CALENDAR SERIES AND THE CREATION OF
MONTAGES FEATURING HISTORICAL PETROLEUM-RELATED PHOTOGRAPHS

Congratulations to all of our winners.

REMEMBRANCES (1) (with thanks to Legacy.com)

This month we have a bit of catching up to do as well as having the sad duty to report the passing of five individuals who have had a connection with the P.H.S.

HALL, Eugene T. "Jeep". Born June 18, 1926 and passed away April 2, 2019.
Jeep was a frequent attendee at our luncheons up until a few years ago.

LESTER, Derek (Charles). Born October 29, 1921 and passed away December 26, 2018. Derek was born in Surrey, England. After serving in the Royal Navy in WWII, Derek immigrated to Canada in 1952 to work in the oil industry. Here he met Shelagh and derived much pleasure in acquainting Calgarians with all things English. He was a member both the Ranchmen's and Glencoe Clubs in Calgary. *Derek used to be a regular at our luncheons.*

LUSSIER, Norman Gerald Joseph. Born December 22, 1938 and passed away February 27, 2019. Norm was born in Guelph, Ontario. *Norm was a long-time member of the P.H.S. and attended one of our luncheons not too long ago.*

PEMBERTON, George. Born December 3, 1948 and passed away August 4, 2018. George was born in Preston, Lancashire, England, by his account in a flat above a pub. He immigrated to Canada with his family in about 1949 and became a Canadian citizen in 1958. George completed a B.Sc. (Honours) in Geology at Queen's University in Kingston, Ontario in 1972, and a M.Sc. in Geology and a Ph.D. in Geology at McMaster University in Hamilton, Ontario, in 1976 and 1979, respectively. George then took up an academic posting at the University of Georgia. George accepted this position in order to work closely with two of his scientific idols - Dr. Robert W. Frey and Dr. James D. Howard. George returned to Canada in 1981 to take up a post at the Alberta Research Council in Edmonton, Alberta. He left the Research Council in 1984 when an academic posting was offered at the University of Alberta, also in Edmonton. There, he took up the position of Associate Professor from 1984-1987 and was promoted to Professor in 1987. During his time as Professor, he held a Research Chair in Petroleum Geology (2002-2009) and was elevated to Distinguished University Professor in 2009. He then held the C.R. Stelck Chair in Petroleum Geology from 2013 until his passing. George served as a Visiting Professor in Denmark, the U.K., Brunei and Venezuela. He was a visiting scientist at Exxon Production Research (1992), Arco Alaska (1998), Shell Canada (2002) and B.P. Trinidad (2004). *George was a passionate geologist who specialized in the study of trace fossils. He was also deeply interested in the history of geology and of petroleum geology and as such was a member of the P.H.S. for many years.*

ROWAN, Gordon (Gordie) Robert. Born November 23, 1925 and passed away February 28, 2019. Gordie Rowan was born in Calgary, Alberta and was a decorated World War II veteran. After returning from the war, he began his career in the oil industry, where he had plenty of fun working for the next fifty-three years. He volunteered throughout his life including Oilmen's Technical Society, Alberta Golf, and Navy Veterans. Gordie was a big kid at heart, always ready for an adventure and a laugh. *Gordie gave the P.H.S. a luncheon presentation several years ago about his lifetime of experiences. He also accepted the P.H.S. Preservation Award for 2013 on behalf of the Oilfield Technical Society in recognition of the OTS Park facility near Edmonton.*

REMEMBRANCES (2)

(with thanks to Legacy.com)

The second part of our remembrances this month is devoted to the many individuals who have been central to the growth of the Canadian petroleum industry, each in their own way. One often hears the term "the passing of the torch" and that certainly applies here. We owe all of these folks a great big "thank you" for a job well done.

BANKS, Charles "David". Born May 17, 1938 and passed away December 13, 2018. David was born on the family farm in the Thunderhill District near Benito, Manitoba. He spent his early years on the farm, attending Benito School, participating in the 4H Garden Club, curling and fishing until leaving for Winnipeg at 17 to complete high school at United College. David attended the University of Manitoba, graduating in 1961 with a B.Sc. in Mechanical Engineering. He began his career in the oil business in 1961 with B.A. (Gulf) in Edmonton, AB. He and his wife Joan moved to Stettler, Calgary, Regina, and Estevan prior to settling in Calgary in 1966. As his career progressed, David worked as an Engineer for Hudson's Bay Oil and Gas, as Vice President for Golden Eagle (Ultramar), as Executive Vice President of United Canso, President of Westar Petroleum Limited, President of Centennial Petroleum and a Principal and President of Alert Energy and Red-Letter Petroleum. Committed to his profession, he was Governor of the Canadian Petroleum Association and Director of the Independent Petroleum Association of Canada (now CAPP). In 1986, his belief in people as a primary resource led to the formation of Resource Professionals Inc. (RPI), a professional recruitment company for the oil industry.

BOHME, Victor (Vic) Edward. Born August 27, 1925 and passed away March 13, 2019. Victor exemplified the Greatest Generation. He was born in Mannville, Alberta and spent his formative years in Vermilion. As a child of the Depression he took on an eclectic assortment of odd jobs that contributed to the family and instilled in him the tenacity, self-reliance and a sense of adventure that served him well in later life. Victor volunteered for the Royal Canadian Navy during the late years of WWII and eventually deployed on a minesweeper that in the immediate post-war era helped clear the English Channel. Upon release from the Navy, Victor returned to Edmonton where he resumed his education and ultimately graduated as part of the U. of A.'s first class of petroleum engineers. After completing his engineering degree, Victor gained employment with the provincial oil and gas regulator that eventually became the ERCB, the agency from which he retired in 1987 as a board member. After "retirement" he pursued a second career as an oil and gas regulatory consultant to nations just beginning to develop their hydrocarbon resources.

BOHONOS, Victor Orist. Born September 21, 1927 and passed away December 20, 2018. As the youngest of five children, born in Edmonton to Ukrainian immigrants, Victor adopted the family's values of honesty, hard work and integrity. Able to put a positive-spin on life's challenges, he considered himself blessed to have "the best job in the entire Canadian petroleum industry," serving as Manager of Marketing and Transportation for Canadian Superior Oil Ltd. for over 30 years. Concurrently, he served as Managing Director of Canadian Superior (Thailand) Ltd., President of Agri-Sul Canada Ltd., Director of Peace Pipeline Co. Ltd., Cansulex Ltd. and Sultran Ltd. Victor also served as President and C.E.O. of Progas Ltd. before forming his own consulting company.

BROWN, James Alfred. Born August 15, 1926 and passed away March 10, 2019. Born in Belle Plaine, Saskatchewan, Jim was raised on the family farm during the Great Depression, which left him famously frugal. He discovered an interest in geology in high school when he worked a summer job for Imperial Oil, preferring the bloodless world of rocks over a career in medicine or veterinary science. He studied Geology at the University of Alberta, graduating in 1947 with a B.Sc. He continued working summers with Imperial Oil, mapping the stratigraphy exposed along the great rivers of northern Alberta. After graduating, he enrolled for an M.B.A. at Columbia University in New York and while there worked in investment banking. Jim was a consulting geologist and avid investor for the rest of his life. He specialized in the oil fields of Wainwright, Alberta, and later prospected in the Cariboo and Purcell Mountains of British Columbia until closing down his office in August last year.

CARTWRIGHT, Fred Arthur. Born July 3, 1937 and passed away March 18, 2019. Fred was born in Russell, Manitoba and spent most of his career with Shell (1960-1991) and continued work as a consultant until 2013. He enjoyed life - travel, golf and volunteering for the Calgary Grey Cup Committee and Calgary Exhibition & Stampede. *Fred is the only guy I knew at Shell who wore his cowboy boots to work every day. That was his personal brand.*

GARDE-HANSEN, Hans. Born January 23, 1929 and passed away January 17, 2019. Hans was born in Copenhagen, Denmark, He and his wife, Hanne, immigrated to Calgary in 1954. His first job was with J.C. Sproule and Associates, mapmaking. Then he worked as Senior Engineer for Canpet. In 1960, an opportunity arose with Ultramar/Golden Eagle, and they moved to Roblecito and then Caracas, Venezuela where the family stayed until 1966. At that point, Hans and Hanne decided to move back to Canada where he was the Manager of Golden Eagle. Eventually he started his own company Halenika Resources Ltd. He maintained an active membership in the Petroleum Club and the Ranchman's Club. In 1975-1978 there was an opportunity in Denmark, and he took a position as Operations Manager for Danbor, a division of AP Moller, responsible for drilling for oil in North Sea. After this interlude in Denmark there was further back and forth between Denmark, Great Britain, and Canada for various ventures until he finally settled down in Canada in 1990.

GROSS, Peter Joseph. Born February 15, 1935 and passed away November 7, 2018. Peter was born in Lethbridge, Alberta and raised in Grassy Lake. His post-secondary education was at the School of Mines in Butte, Montana (B.Sc. '61, M.Sc. '64) where he met his wife Donna. After several years of career development in western Canada and the U.S. they decided to call Calgary home. Peter was a prominent member of the oil and gas community for over fifty years. During this time, he was also a member of the Calgary Petroleum Club and fostered the development of many small oil and gas corporations and partnerships. He was a frequent participant in the Oilmen's Golf Tournament.

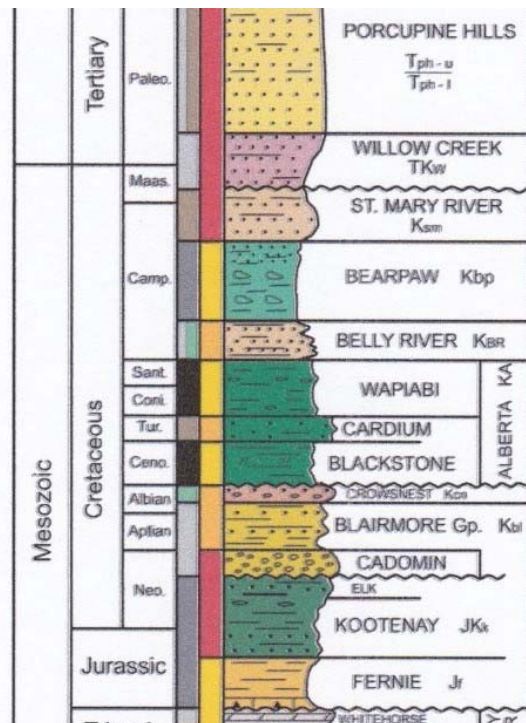
In the Calgary Herald's April 20, 2019 edition, one obituary stood out. It was for Enola Gaye Ogg who passed away here in Calgary on April 15 at the age of 72. Why is this unusual? Well, Enola Gay was the Boeing B-29 Superfortress that dropped the first atomic bomb, named "Little Boy", on the city of Hiroshima on August 6, 1945. The plane was named after the mother, Enola Gay Tibbets, of the pilot of the aircraft, Colonel Paul Tibbets. Enola Gaye was apparently born in 1947 though. Perhaps the details of the bombing raid were not released until later?

NEW STATUE OF ABRAHAM GESNER, NOVA SCOTIA



Abraham Gesner is known as the “Father of the Petroleum Industry” because of his discovery in the 1850’s of the distillation process used to manufacture kerosene. This statue has been created of him and will be installed and dedicated on May 4 near Kentville in Nova Scotia. Perhaps it is not intentional but the heating of the lamp in Gesner’s hand with a blow torch could be symbolic of the heating-based separation technique used in petroleum refining.

TURNER VALLEY- SHALLOW CRETACEOUS STRATIGRAPHY

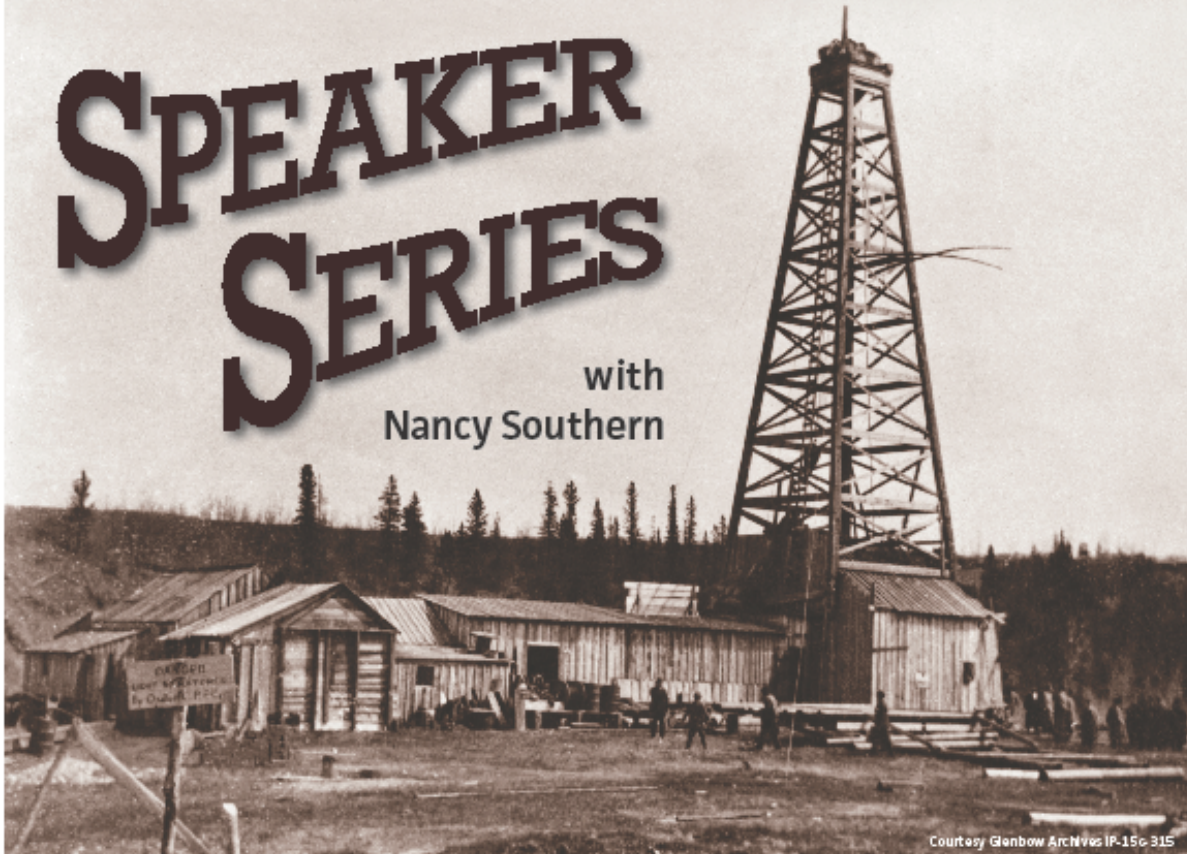


The surface geology at Turner Valley is dominated by a broad anticline whose outline is defined by peripheral ridges of sandstone. Its core is occupied by recessive-weathering shales. D. B. Dowling, a Geological Survey of Canada geologist, briefly visited the area in October 1913, prior to the 1914 Dingman discovery. In his 1914 report entitled *“Geological Notes to Accompany Map of Sheep River Gas and Oil Field Alberta”* (G.S.C. Memoir 52) he states: *“Where the above-mentioned anticline crosses Sheep river the rocks exposed by the erosion on the crest of the anticline are Upper Cretaceous shales. These, on the south branch of Sheep river, are well-exposed beneath sandstones which appear to belong to the coal bearing Edmonton series of northern Alberta or the St. Mary River beds of southern Alberta. In the centre of the anticline, sandstones and shales of the base of the Bearpaw or top of the Belly River appear, and in these, near the south branch of Sheep river, a leakage of strongly smelling gas has been known for years at the crest of the anticline.”* This interpretation did not stand the test of time – or the drilling of numerous wells. In his 1953 paper entitled *“History of Geological Interpretation of the Turner Valley Structure and Alberta Foothills, Canada”* (Alberta Society of Petroleum Geologists Field Conference Guidebook), Imperial Oil’s former Chief Geologist Ted Link stated: *“Because of such a short period of observation, Dowling’s Memoir is not very illuminating. His stratigraphy was considerably in error. However he did suggest that more oil might be encountered deeper down in the “Belly River Series” which in reality forms the rim-rock of the structure. He mapped the Cardium sandstone [seen fleetingly in the core] as Belly River.”* With reference to the stratigraphic column above, it can be seen that Dowling mistook the slightly older Wapiabi Formation shales for the Bearpaw. He was one sand-shale cycle too shallow and too young. The Dingman discovery was made in the underlying and older Early Cretaceous Blairmore Group. We can also note that the Bearpaw Shale is now well-known, at least in some parts of the Plains, for its ammolite – the iridescent shells of fossil ammonites. If Dowling had been correct, maybe Turner Valley would have been famous for more than just its oil and gas.

The Turner Valley Oilfield Society presents

SPEAKER SERIES

with
Nancy Southern



Courtesy Glenbow Archives IP-15c 315



Nancy Southern is Chair & Chief Executive Officer of both ATCO Ltd. and Canadian Utilities Limited. She is also Executive Vice President of Spruce Meadows and a Founding Director of AKITA Drilling Ltd.

In addition to her business leadership, she advocates on social issues of global importance, including the role of women in business and the rights of Indigenous Peoples. She is an Honorary Chief of the Kainai (Blood Tribe of Alberta) and was given the name Aksistoowa'paakii, or Brave Woman, in 2012.

The event will begin with a tour of the Turner Valley Gas Plant (weather permitting). Guests will then assemble at the Flare & Derrick for the talk by Nancy Southern. This will be followed by a cash-bar reception, silent auction, and dinner.

Date: May 11, 2019

Locations:
Turner Valley Gas Plant
Provincial Historic Site

Flare & Derrick
Turner Valley, Alberta

Plant Tour: 2:30 PM

Nancy Southern Talk:
4:00 PM

TVOS



**TURNER VALLEY
OILFIELD SOCIETY**

Tickets: \$50.00 each. www.turnervalleyoilfieldsociety.ca

Our friends in the Turner Valley Oilfield Society are hosting this tour, dinner, presentation and silent auction in Turner Valley on May 11. Nancy Southern is, of course, a well-known business person in Calgary. Should be fun!