



PETROLEUM
HISTORY
SOCIETY

ARCHIVES

Newsletter of the Petroleum History Society

January, 1999; Volume X, Number 1

if you missed the...

RECOLLECTIONS OF EARLY OILSAND ACQUISITIONS AND THE PEOPLE INVOLVED

LUNCHEON

Wednesday, November 18, 1998
with Ned Gilbert P.Eng., P.Land, P.Geol.

.....enjoy an entertaining condensed
version of Ned's presentation in this
issue of Archives.

In This Issue ...

Next Luncheon Details	1
Calendar of Events/Daily Tips	2
Canadian Oilpatch - 50 Years Ago	3
Ned Gilbert Presentation Summary	5
Archives Index	6
Collage	8

Next issue -- Purpose and Goals of PHS
and Book/Video Listing

NEXT LUNCHEON features

Frank Dabbs

Author, Historian, Journalist
unlocking secrets of success and fame of:

William Herron

*"hard-working, hard-playing
cowboy and oilman" of the 20th century*

Frank Dabbs, former Oilweek editor, has earned three Canadian Petroleum Association national journalism awards and the Alberta Chamber of Resources Media Award. His credits include two best-selling political biographies: *Ralph Klein-A Maverick Life* and *Preston Manning-The Roots of Reform*. 1999 projects include biographies of Bill Herron (PHS sneak preview) and Canadian Bechtel founder Sid Blair. Given his busy agenda, we are delighted to share an hour of nostalgia with Frank.

Date: Wednesday, January 27, 1999

Time: 12 Noon (receipts at the door)

Place: The Calgary Professional Club

Cost: \$20 for members, \$22 for guests

*** Member attendance supports your Society -- but also posting this Notice for associates to join us for an entertaining Lunch & Learn is equally beneficial!

RSVP to **Bill McLellan, 286-2191** by Noon, Monday, Jan 25th. See you there!

THE PETROLEUM HISTORY SOCIETY
Calendar of Events and Daily Tips

Next Director's Meeting: February 10, 1999 – 12:00 noon, Glenbow Museum

Society Web Site: Volunteer your expertise for the design and installation of a PHS web site in exchange for promotional exposure of your product and/or services. Please contact Dag Nilsen at 260-1026.

Society Scholarship Program: 1998 PHS Scholarship recipient Matthew Foss, a graduate student at the University of Calgary Masters Program, is featured on page 8.

Society Library: Detailed Archives index assembled for PHS custody on pages 6 and 7 of this issue. Would all Members undertake a search to determine if they have any library items (books/videos) out (several are unaccounted for) or if they have additional items to supplement our collection? In either case, please contact Bill McLellan at 286-2191. Complete listing in next Archive issue.

Significant Wells of Western Canada: PHS has been approached, by Society Director John Frey, to sponsor a collectable publication documenting our 50 most significant wells. Screening relevance will include drilling techniques, accidents such as blowouts, geological features, discoveries, and geographic frontiers. Each well will have a photograph page and a facing write-up page. Preliminary list is provided on page 8. Contact John 264-3693(B) or 287-7930(H) if you can contribute editing or candidates.

Future Field Trips: Success of the Society's latest, the August 29, 1998 Turner Valley Tour, ensured that additional proposals will be forthcoming in 1999. Please forward your suggestions to Clint Tippett at 691-4274 (Shell).

New Society Service: Members and the public are encouraged to donate a copy of recently published energy industry related books or technical papers. Reviews, limited to 500 words and provided by the author, literary critic, or PHS if requested, will be included in future Archive issues. Contact Neil Leeson at 217-2974

New Society Goal: Public and industry awareness of PHS objectives and contributions by encouraging media attendance and coverage of events. Copies of the our 1999 Archives will be provided to Rick Charland, DOB; Ian Doig, Doig's Digest; Gordon Jaremko, Oilweek; Mike Byfield, Alberta Report, and Scott Jeffrey, Roughneck Magazine. Copies will be distributed also to oilpatch organizations such as AEUB, CAPL, CAPP, CSEG, CSPG, NEB, and PSAC. PHS offers to print 25 word notices in this page for any of our new associates (i.e. future articles, staff changes, new reader services). Send to Neil Leeson FAX 403-217-6289, e-mail: neill@primewestr.com.

1999 Member Commitment: Encourage one new member to join. Contact Bonnie Mech at 268-7944, see page 8, or ask Bill McLellan for a membership form at our Luncheon. Reaching our goals depends on fully functional and motivated committees. As host for the 2000 World Petroleum Congress, Calgary will rely on key involvement from organizations like PHS. This is everyone's chance to be part of history.

Tip For The Day: Motivation from an expert! *"Never give in, in nothing, large or small, great or petty, except to convictions of honor and good sense."* – Winston Churchill.

In 1948 , the Nickle Oil Bulletin reported:

"Alberta Landmen's Association Organized. William Longshore named first president" [May 14]

"Hudson's Bay Company & Continental (U.S.) to operate as full partners in Canada Oil Exploring"
The American continent's oldest trading company and a large American oil company, which is among petroleum's pioneers, have decided to expand joint efforts to find and develop oil and gas resources in Western Canada. Through their jointly owned company, the Hudson's Bay Oil and Gas Company Limited, the team has embarked on a large scale exploration and development program in Alberta [May 28]

"Atlantic No 3 delivers 120,000 barrels to pipeline in first 12 days of clean-up operation."
About 120,000 barrels of oil from the Atlantic No. 3 wild well was pumped through the Imperial Pipeline system during the first twelve days of the Conservation Board-directed 'clean-up' effort. The Board took over direction of the wild well on May 14th.....In addition to the oil pumped through the pipeline, several thousand barrels have been re-routed back into the formation through the Atlantic No. 1 well Drilling has started on the first of two relief wells [May 28]

"Alberta to make own Gas Survey & Study of own future needs before deciding on export plan".
The Alberta Government hopes that the province has adequate proven and prospective natural gas reserves to justify export east and west, but will make its own survey before deciding on export policy. That is the gist of a statement issued by Lands & Mines Minister N.E. Tanner, following on the heels of release of the Hume-Ignatieff survey of Prairie Province Gas resources by the Dominion Government, at whose request it was made. Alberta possesses proven and probable gas reserves of 3,618 billion cubic feet [June 11].

"Turner Valley gas price to producers goes up to 4.75 cents per mcf" [June 18]

"Imperial Oil Limited starting wildcats at Redwater & Ardrossan, East N.E. of Edmonton"
Imperial Oil Limited this week announced commencement of work on two new Central Alberta wildcat locations, one near Redwater about 27 miles northeast of Edmonton, the other near Ardrossan, about 15 miles east of Edmonton. [July 9]

"Royalite starts well at Priddis 14 miles southwest of Calgary. Two wildcats flank Turner Valley."
Royalite Oil Company Limited, principal operating subsidiary of Imperial Oil, is starting a two mile or more deep test in the Priddis area..... The Priddis well is located 19 miles northwest of the Anglo Canadian's Black Diamond No. 1 well, now being readied for drilling.....Calgary oilmen Clifton C. Cross, L.B. Gibson, J.V. Drumbeller and associates have 3840 acres, the bulk of it on a direct line between the Royalite and Anglo wildcats [July 23]

"Imperial's Edmonton refinery opens. Capacity 4,000 bbls, being stepped up to 11,000 bbls"
Imperial Oil's Edmonton refinery started officially "on stream" Saturday, July 17th, to complete another chapter in the rapidly developing story started 17 months ago by the Imperial discovery at Leduc [July 23]

"The Amerada Petroleum Corporation, king sized American independent which extended its operations to Alberta a few months ago, has now expanded its exploration in this province to a \$ 130,000 monthly rate." [July 30]

"Prairie Province Oil Yield sets record in June, all-time high production seen for year '48"
The Prairie provinces, due primarily to expanding production from Leduc and Lloydminster, rolled up an oil production increase of 1,444,054 barrels during the first half of this year. Production totalled 4,843,952 barrels, compared with 3,399,908 barrels in the first half of 1947. With continued growth expected, it is probable that output will exceed six million barrels in the latter half of the year, and that 1948 will ring up an all time high exceeding eleven million barrels. Former production peak was 1942, when 10,136,296 barrels were produced, with Turner Valley contributing 10,003,935 barrels. [August 6]

"Four million acres in Northeastern Alberta involved in biggest oil land deal in Alta. History"

The greatest oil land deal in Alberta history is in the making, full details available soon. Twenty companies, including Canadian independents and American interests, have arranged with the Alberta Government for forty 100,000 acre exploration reservations in northeastern Alberta. Under provincial regulations, each company or individual may acquire two reservations. Acreage total: 4,000,000 acres. The area: vast triangle formed by Lesser Slave Lake and Lac La Biche on the south and Lake Athabasca on the north. [August 27]

"Fourteen new Imperial Leduc & Woodbend locations staked for drilling within weeks" [August 27]

"Gulf Pincher Creek tests indicate important 'gas-distillate' discovery"

Canadian Gulf's Pincher Creek discovery well, lsd 14 24-3-29 W4th, indicated during the weekend that it will rate as a 'Gas-Distillate' producer. It will probably be at least as large as the original Turner Valley gas-cap discovery well, so far as gas and distillate (light oil) volume is concerned, and should have a gas-oil ratio comparable to that of the Valley's gas-cap wells, and at least three times better than the ratio in the Jumping Pound 'wet-gas' field. [August 27]

"Consumer's Exploration scores success at first well, in South Princess Madison lime field"

Some 700 'Co-ops' of Alberta and Saskatchewan have struck oil at their first well, a 1/4 mile step-out venture in the South Princess Madison lime field. The well is the first venture of the Consumer's Exploration Company Limited, incorporated in July with a Dominion charter. Financial backing is from Saskatchewan Federated Co-operatives Limited and Alberta Co-operative Wholesale Limited, which between them represent some 700 co-op organizations. [Sept 3]

"Atlantic No 3. ends wild career, is killed after blowing 6 months, and burning for 59 hours"

Atlantic-Leduc No.3, the most spectacular wild well in Canadian oil history, ended its career Thursday morning, six months and a day after it blew wild last March 8th. A blazing "Funeral Pyre" ended the well, for 59 hours before its killing, it exploded into flame and smoke, caused by a spark of unknown origin. The heavy oil and gas flow feeding the fire was halted by water-flooding of the formation through a relief well which had completed drilling and started water injection at time of the blaze. At its peak, the fire sent flames shooting from 400 to 800 feet in the air, with billows of black smoke rising between 6,000 and 7,000 feet. A long bank of smoke spread for 100 miles across the central Alberta Plains. [Sept 10]

"University of Alberta sets up petroleum Engineering Course, Jack Gregg appointed to Dept."

The University of Alberta, in the province which is the centre of the nation's oil and gas industry, takes an important step forward this month, in providing a Degree course in Petroleum Engineering. The course is under direction of Dr. George Govier, Professor, Department of Chemical Engineering, U of A., and member of the Alberta Oil & Gas Conservation Board. [Sept 10]

"Imperial-Redwater discovery continues coring & testing in thick devonian lime oil play"

The Canadian Plain's hottest looking Discovery since Leduc is in the making at Imperial Oil's Redwater No. 1, 30 miles northeast of Edmonton [Sept 24]

"Imperial Oil Limited restores the Leduc field price of \$ 3.45 per barrel at Woodbend" [Oct 8th]

"Home Oil Company to pay \$ 440,000 dividend in December, raising 1948 total to 50 cents per share" [Oct 15]

"Shell Oil group to end 'sideline' sitting in Alberta, and re-enter active play in oil game"

The Royal Dutch Shell group of oil companies (one of the world's two largest groups) intends to end two years of what might be termed 'sideline sitting' in Alberta, and get back into the oil game in this province with the vigour that characterized Shell's Alberta operations from 1941 to 1946. [Oct 19]

"Alberta Gas Commission starts Calgary hearings. Dr. Hume & Northwest Gas Company first up."

Alberta's enquiry into natural gas reserves and consumption in the province came to Calgary this morning, when the natural gas Commission opened week-long hearings in the Court House. Chairman of the commission is R. J. Dinning, president Burns & Company, Calgary. "To export or not to export gas". That is the ticklish question facing the Alberta government. The Commission's main job is to accumulate the facts that will help the government make up its mind. [Dec 6]

RECOLLECTIONS OF EARLY OIL SAND LAND ACQUISITIONS AND THE PEOPLE INVOLVED

PRESENTED BY E. E. (NED) GILBERT TO THE PETROLEUM HISTORY SOCIETY LUNCHEON
18 NOVEMBER 1998
(edited by Neil Leeson for PHS)

"During my first summer with Sun Oil Company (now Suncor) I worked with L.W. Storm in Nova Scotia doing Field geology. I first learned about the Alberta Tar Sands from him. Following a winter of well site work in Indiana, I rejoined Mr. Storm in Calgary on January 22, 1945. After the remainder of the winter and a summer with our seismograph crew, Mr. Storm returned to the USA while I remained in Calgary.

At the age of 23 I was the only Sun employee in Western Canada. I worked up a geological play, drafted it, typed it and then sent my recommendation to home office. When approved, I then obtained the land. When Mr. Storm returned the next spring, I had acquired nearly one million acres in Alberta and Saskatchewan. In the fall of 1946 all Sun personnel returned to the USA and I to University to complete my Geology degree. I alone returned to Calgary the following spring. I began to expand my staff and in 1949 George Dunlap came from the Dallas office to become Manager. George told me that when he visited Philadelphia, he was called in to Mr. J. Howard Pew's office and told he was to 'Always maintain a position in the Alberta Tar Sands'. It is appropriate, but out of context here to report that George and I were called to the Philadelphia office to attend a meeting of the Board of Directors when the decision to go ahead with the Great Canadian Oil sands project was being discussed. Mr. J. Howard Pew's words were essentially: 'Gentlemen, I would like to have you approve this project BUT if you do not then I will do it on my own'.

Sydney Blair (Bob's father) prepared a report which was the basis of a September 1951 Oil Sands Conference in Edmonton. Subsequently I learned that our management had recommended against proceeding with a Tar Sands program, I wrote a letter on 21 September 1951 recommending reconsideration and authorization to attempt acquisition of sections 27, 28, 33 and 34 of Twp 92, Rge 10 W4M (this is where the Suncor project started). I received approval but found that these lands were then held by Abasand. As a result I acquired other lands near Bitumount and it was not until several years later that I again sought out the Owner of Abasand. Subsequently the acquisition was completed.

Sun began operations on this new lease, then called Lease #4. The first new land that I acquired came about when Hubert Somerville showed me that the face of the outcrop was not leased. I immediately filed on that portion which was needed to allow us to strip mine. Frank Siegel was Sun's Exploration Manager while I was Assistant Exploration Manager and Land Manager. We were concerned about the small size of Sun's lease and, as a result, began to seek other lands which we might acquire. I negotiated with Eric Harvie and obtained the six parcels of freehold land to the south and just across, as well as down, the river, called the Von Hamerstein leases. We considered how we might move the sand across the river on conveyor belt; Suncor now has a beautiful bridge.

The manager of our project said he needed a supply of gas and I suggested that we drill a well where it would not disturb our mining plans. We applied for a P&NG lease comprising the planned Syncrude mining site. Somewhat to my surprise, it was issued! I regret to report that we did not find gas and we dropped the lease.

I knew that Amoco was doing an underground oil sands testing project at Gregoire Lake, south of Fort McMurray. I persuaded management to have our pilots install a war surplus camera in one of our airplanes. The pilots took weekly photos which showed the location and Amoco's work activity. We filed on Crown land to the East and South of the Amoco block. Sun then commenced a core hole program on this new acreage. Later our geological studies indicated that the oil sands continued considerably to the east of the Athabasca River. We filed on two Oil Sands permits in Range six west of the Saskatchewan border and beyond any previous core control. Bill Tisdall says that these two permits were labeled 'Gilbert's Folly'. I can tell you, however, that our preliminary core drilling done many years ago is part of the public record and showed many *billions* of barrels.

In conclusion I should mention my several visits with Mr. S. C. Ells, probably the first member of the Canadian Geological Survey to take an active role in the Oil Sands. John Dixon, one of my employees, found a very early publication about S. C. Ells finding Oil Shale in Saskatchewan. The indicated 60 gallons of oil per ton was better than we had in the Oil Sands. The location given was not the name of any present site so I initially sent Earl Hastings (later Senator) to the area. He found an Indian name which helped us to locate the outcrop area. I negotiated with both the Saskatchewan and Manitoba governments. Sun acquired 2.0 million acres in Saskatchewan and 1.5 million acres in Manitoba before the industry knew of it. There were no regulations in Saskatchewan and I negotiated a set of these with Saskatchewan's lawyer, Mr. Tom Tamaki and the Director of Mines, Mr. Don Mode. This was 1964 and they still exist as the rules today."

.....and the rest is history, as the saying goes. The Petroleum History Society thanks Ned for this walk through time. We can't tackle the future until we understand the past.

140-01	July 4th year 1989 - Imperial Order 81	Request from Audrey Egan's book loan, published for the second time
140-02	June 15	Announcing bookends December 31, 1990
140-03	June 15	Announcing bookends December 31, 1990
140-04	June 15	Request for people to share their memories
140-05	June 15	Request for people to share their memories
140-06	June 15	Request for people to share their memories
140-07	June 15	Request for people to share their memories
140-08	June 15	Request for people to share their memories
140-09	June 15	Request for people to share their memories
140-10	June 15	Request for people to share their memories
140-11	June 15	Request for people to share their memories
140-12	June 15	Request for people to share their memories
140-13	June 15	Request for people to share their memories
140-14	June 15	Request for people to share their memories
140-15	June 15	Request for people to share their memories
140-16	June 15	Request for people to share their memories
140-17	June 15	Request for people to share their memories
140-18	June 15	Request for people to share their memories
140-19	June 15	Request for people to share their memories
140-20	June 15	Request for people to share their memories
140-21	June 15	Request for people to share their memories
140-22	June 15	Request for people to share their memories
140-23	June 15	Request for people to share their memories
140-24	June 15	Request for people to share their memories
140-25	June 15	Request for people to share their memories

110	Aug-92	Recent publication-related contributions by Glenware Ardison	Glenware Information
111	Aug-92	1st and 2nd Year a Big Success	Review of book on August 26, 1992
112	Aug-92	bookends Presentation. Albert's First Day Elementary by Miky Gules	Announcing bookends September 29, 1992
113	Aug-92	Albert's First Day Elementary Langenside Guling 1961	Summary of bookends presentation on September 29, 1992, by Miky Gules
114	Nov-92	bookends Presentation. The Video with Sharon Stevens	Announcing bookends November 14, 1992
115	Nov-92	1st and 2nd year bookends share first year gift.	Scheduled by Western State Governor's Association to administer their ceremonial gifts since 1986. Includes information
116	Nov-92	Letter on Clio Tipton from Bevieve Mink at Fox/Owl/In an April	Thank you
117	Nov-92	Initial review of Alberts year 17 study old file	By Yves Millard
118	Nov-92	119 file, discovery date and journal digitized.	By Yves Millard
119	Nov-92	bookends Presentation. Year 18/19 on Miky Gules CD and old Alberts	Announcing bookends January 17, 1993
120	Nov-92	191 file	Review of December 14 bookends by Miky Gules
121	Nov-92	192 file	Announcing ACM March 18, 1994 Clio Tipton Symbol on Tramping Pound
122	Nov-92	193 file	Summary of 22 of January 17 talk by Yves Millard
123	Nov-92	194 file	Presentation for word given by Miky Gules
124	Nov-92	195 file	Announcing May 22 bookends
125	Nov-92	196 file	Presentation for awards
126	Nov-92	197 file	Plans, photos, production, airplane photo numbers
127	Nov-92	198 file	John, Sam Dingle, Myra Anne
128	Nov-92	199 file	John, Sam Dingle, Myra Anne
129	Nov-92	200 file	John, Sam Dingle, Myra Anne
130	Nov-92	201 file	John, Sam Dingle, Myra Anne
131	Nov-92	202 file	John, Sam Dingle, Myra Anne
132	Nov-92	203 file	John, Sam Dingle, Myra Anne
133	Nov-92	204 file	John, Sam Dingle, Myra Anne
134	Nov-92	205 file	John, Sam Dingle, Myra Anne
135	Nov-92	206 file	John, Sam Dingle, Myra Anne
136	Nov-92	207 file	John, Sam Dingle, Myra Anne
137	Nov-92	208 file	John, Sam Dingle, Myra Anne
138	Nov-92	209 file	John, Sam Dingle, Myra Anne
139	Nov-92	210 file	John, Sam Dingle, Myra Anne
140	Nov-92	211 file	John, Sam Dingle, Myra Anne
141	Nov-92	212 file	John, Sam Dingle, Myra Anne
142	Nov-92	213 file	John, Sam Dingle, Myra Anne
143	Nov-92	214 file	John, Sam Dingle, Myra Anne
144	Nov-92	215 file	John, Sam Dingle, Myra Anne
145	Nov-92	216 file	John, Sam Dingle, Myra Anne
146	Nov-92	217 file	John, Sam Dingle, Myra Anne
147	Nov-92	218 file	John, Sam Dingle, Myra Anne
148	Nov-92	219 file	John, Sam Dingle, Myra Anne
149	Nov-92	220 file	John, Sam Dingle, Myra Anne
150	Nov-92	221 file	John, Sam Dingle, Myra Anne
151	Nov-92	222 file	John, Sam Dingle, Myra Anne
152	Nov-92	223 file	John, Sam Dingle, Myra Anne
153	Nov-92	224 file	John, Sam Dingle, Myra Anne
154	Nov-92	225 file	John, Sam Dingle, Myra Anne
155	Nov-92	226 file	John, Sam Dingle, Myra Anne
156	Nov-92	227 file	John, Sam Dingle, Myra Anne
157	Nov-92	228 file	John, Sam Dingle, Myra Anne
158	Nov-92	229 file	John, Sam Dingle, Myra Anne
159	Nov-92	230 file	John, Sam Dingle, Myra Anne
160	Nov-92	231 file	John, Sam Dingle, Myra Anne
161	Nov-92	232 file	John, Sam Dingle, Myra Anne
162	Nov-92	233 file	John, Sam Dingle, Myra Anne
163	Nov-92	234 file	John, Sam Dingle, Myra Anne
164	Nov-92	235 file	John, Sam Dingle, Myra Anne
165	Nov-92	236 file	John, Sam Dingle, Myra Anne
166	Nov-92	237 file	John, Sam Dingle, Myra Anne
167	Nov-92	238 file	John, Sam Dingle, Myra Anne
168	Nov-92	239 file	John, Sam Dingle, Myra Anne
169	Nov-92	240 file	John, Sam Dingle, Myra Anne
170	Nov-92	241 file	John, Sam Dingle, Myra Anne
171	Nov-92	242 file	John, Sam Dingle, Myra Anne
172	Nov-92	243 file	John, Sam Dingle, Myra Anne
173	Nov-92	244 file	John, Sam Dingle, Myra Anne
174	Nov-92	245 file	John, Sam Dingle, Myra Anne
175	Nov-92	246 file	John, Sam Dingle, Myra Anne
176	Nov-92	247 file	John, Sam Dingle, Myra Anne
177	Nov-92	248 file	John, Sam Dingle, Myra Anne
178	Nov-92	249 file	John, Sam Dingle, Myra Anne
179	Nov-92	250 file	John, Sam Dingle, Myra Anne
180	Nov-92	251 file	John, Sam Dingle, Myra Anne
181	Nov-92	252 file	John, Sam Dingle, Myra Anne
182	Nov-92	253 file	John, Sam Dingle, Myra Anne
183	Nov-92	254 file	John, Sam Dingle, Myra Anne
184	Nov-92	255 file	John, Sam Dingle, Myra Anne
185	Nov-92	256 file	John, Sam Dingle, Myra Anne
186	Nov-92	257 file	John, Sam Dingle, Myra Anne
187	Nov-92	258 file	John, Sam Dingle, Myra Anne
188	Nov-92	259 file	John, Sam Dingle, Myra Anne
189	Nov-92	260 file	John, Sam Dingle, Myra Anne
190	Nov-92	261 file	John, Sam Dingle, Myra Anne
191	Nov-92	262 file	John, Sam Dingle, Myra Anne
192	Nov-92	263 file	John, Sam Dingle, Myra Anne
193	Nov-92	264 file	John, Sam Dingle, Myra Anne
194	Nov-92	265 file	John, Sam Dingle, Myra Anne
195	Nov-92	266 file	John, Sam Dingle, Myra Anne
196	Nov-92	267 file	John, Sam Dingle, Myra Anne
197	Nov-92	268 file	John, Sam Dingle, Myra Anne
198	Nov-92	269 file	John, Sam Dingle, Myra Anne
199	Nov-92	270 file	John, Sam Dingle, Myra Anne
200	Nov-92	271 file	John, Sam Dingle, Myra Anne

218	Nov-92	Request for information about renovations to all websites	
219	Nov-92	Request for information about renovations to all websites	
220	Nov-92	Request for information about renovations to all websites	
221	Nov-92	Request for information about renovations to all websites	
222	Nov-92	Request for information about renovations to all websites	
223	Nov-92	Request for information about renovations to all websites	
224	Nov-92	Request for information about renovations to all websites	
225	Nov-92	Request for information about renovations to all websites	
226	Nov-92	Request for information about renovations to all websites	
227	Nov-92	Request for information about renovations to all websites	
228	Nov-92	Request for information about renovations to all websites	
229	Nov-92	Request for information about renovations to all websites	
230	Nov-92	Request for information about renovations to all websites	
231	Nov-92	Request for information about renovations to all websites	
232	Nov-92	Request for information about renovations to all websites	
233	Nov-92	Request for information about renovations to all websites	
234	Nov-92	Request for information about renovations to all websites	
235	Nov-92	Request for information about renovations to all websites	
236	Nov-92	Request for information about renovations to all websites	
237	Nov-92	Request for information about renovations to all websites	
238	Nov-92	Request for information about renovations to all websites	
239	Nov-92	Request for information about renovations to all websites	
240	Nov-92	Request for information about renovations to all websites	
241	Nov-92	Request for information about renovations to all websites	
242	Nov-92	Request for information about renovations to all websites	
243	Nov-92	Request for information about renovations to all websites	
244	Nov-92	Request for information about renovations to all websites	
245	Nov-92	Request for information about renovations to all websites	
246	Nov-92	Request for information about renovations to all websites	
247	Nov-92	Request for information about renovations to all websites	
248	Nov-92	Request for information about renovations to all websites	
249	Nov-92	Request for information about renovations to all websites	
250	Nov-92	Request for information about renovations to all websites	



A Unique Gift Idea: A Limited Edition Pin Series



These beautiful pins commemorate our major events in the first 100 years of the Canadian oil industry. Of a series of 100 pins originally produced in 1980, there are still a few pins left for sale. They come packaged in a high quality velvet presentation case, with a brief description of each of the events depicted.

Sales proceeds help fund The Petroleum History Society's activities. The Society's purpose is to collect, preserve, and disseminate information about the petroleum industry in Canada. To order one or more pins, please complete the form below. Each pin costs \$129, plus GST of 12.9%, which includes the cost of delivery. For five pins and within Canada please add \$175. Please send form and cheque payable to The Petroleum History Society to:

The Petroleum History Society c/o Canadian Association of Petroleum Producers 42100 208 - 7 Avenue SW, Calgary T2P 2J0

Name: _____

Address: _____

Quantity: _____ x \$129.00 = _____

PETROLEUM HISTORY SOCIETY

Individual Membership

Name: _____

Address: _____

Postal Code: _____ Telephone: Business _____ Home _____

Institutional or Company Affiliation (if any): _____

Please register me as a (check two of the following):

New Member Individual Member (\$10.00)
 Membership Renewal Sustaining Individual Member (\$35.00)

Institutional / Corporate Membership

Name of Institution or Company: _____

Address: _____

Postal Code: _____ Telephone: Business _____ Home _____

Name of Authorized Representative: _____

Position or Title: _____

Please register our Institution or Company as a (check two of the following):

New Member Institutional Member (\$100.00)
 Membership Renewal Sustaining Institutional Member (over \$100.00)

Enclosed is a cheque or money order for \$ _____ payable to The Petroleum History Society. Please mail fee and completed form to: Membership Committee, Petroleum History Society, 24 Vardey Place N.W., Calgary, Alberta T3A 0C9.

Date: _____ Signature: _____

SIGNIFICANT WELLS OF WESTERN CANADA

1. Waterton - Foothills gas discovery in mountains - Shell
2. 1st well in Fraser delta
3. Turner Valley #1 - 1st solid oil indication
4. Royalty #4 - Discovery of major reservoir
5. Flathead Well - Deep intermountain well
6. Chevron Sage CK
7. Watrous - 1st structural shallow well
8. Jumping Pound - Foothills gas
9. Alderson - Alberta first gas
10. Bow Island - gas discovery
11. Calgary Brewing - City well
12. Coalpur - Foothills structural
13. Ledac #1 - discovery reef
14. Ledac #3 - discovery reef
15. Atlantic Ledac - blowout
16. Provent - discovery
17. Viking Kassella - discovery
18. Dominion Government - Gas blowout - Athabasca
19. Pembina - Mobil Cardium
20. Chevron Pembina Niisku
21. Crossfield Elton - gas discovery
22. Beaverhill Lake - Home discovery
23. Glywood SD - Atlantic discovery
24. Rainbow Lake - Reef
25. Tuktoyaktuk - Arctic
26. Beaufort Sea - Dome
27. Melville Island - Dome
28. Melville Island - PanArctic
29. Queen Charlotte - Rickfield
30. Triassic of N.E. B.C.
31. Sukkuta
32. Crossfield - Okotoks
33. Saskatchewan Williston Basin - Forget Tide Water
34. Jurassic - SW Saskatchewan - Tide Water
35. Lloydminster - Heavy oil
36. Peace River - Cretaceous gas