GASPE OF YESTERDAY

THE GOLDEN GOAL

THE SEARCH FOR PETROLEUM IN GASPE

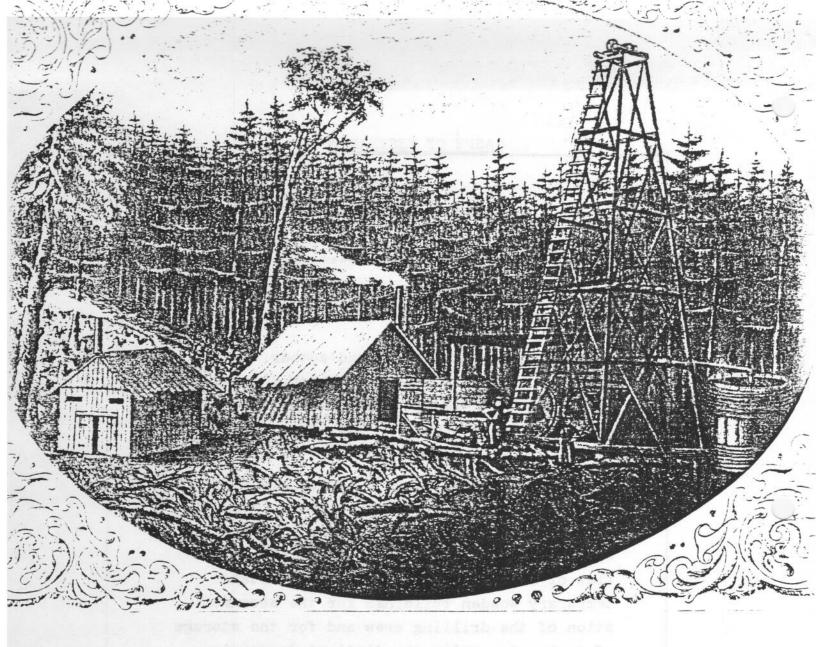
PART II

When the Gaspesian artist and author, Thomas Pye, published his remarkable book, "GASPE SCENERY", in 1866, one of the scenes that he depicted and commented on was that of the Conant Oil Well at Sandy Beach.

Pye's illustration shows a forest clearing dominated by a tall, heavily braced, wooden derrick. Near the derrick stands a large, wooden cask or tank to hold the hoped for flow of oil. Nearby in the clearing stand temporary wooden buildings for the accommodation of the drilling crew and for the storage of tools. One gains the distinct impression that the fire hazard in such a forest clearing would be high.

This illustration of "GASPE SCENERY" is precious in that it enables one to visualize, more than a century later, the typical scene at the more than fifty drilling sites in Gaspé from 1860 to 1900.

In this second part of "THE GOLDEN GOAL" it is proposed to recall the search for petroleum during that period.



THE CONANT WELL

SANDY BEACH

GASPÉ

THOMAS PYE
"GASPÉ SCENERY"
1866

"THE GOLDEN GOAL"

PART II

In the previous article on "The Golden Goal" it was recalled that petroleum springs in Gaspé had been known to the native Micmac Indians in distant time. They came to public attention in the early 1800's and received a wider attention through the interest of the Governor-General, Lord Aylmer and the Proceedings of the Literary and Historical Society of Quebéc which reflected the receipt from Gaspé in 1836 of a sample bottle of "Barbadoes tar" from Mr. M'Connell, His Majesty's Customs of Taspé. The petroleum springs were examined by William Logan and other members of the Geological Survey in the 1840's and 1850's. In 1860 two shallow wells were drilled with inconclusive results. Geological reports in 1863 and 1865 indicated that further trial was indicated. The stage was set for the serious search for petroleum in Gaspé that would proceed, intermittently for a number of decades.

To grasp the scope and seriousness of the search for oil that began in the 1860's, it may be helpful to list, in compact form, the various wells drilled, their local designation, the companies involved, the depth of the drilling and results in brief. In the table that follows of fifty-seven such Gaspé oil wells the following abbreviations have been used:

GBM......Gaspé Bay Mining Co.
GOC......Gaspé Oil Co.
POT......Petroleum Oil Trust
CPC.....Canada Petroleum Co.
IOC.....International Oil Co.

GBS......Gaspé Bay South.

2.

INFORMATION TABLE FOR 57 GASPE OIL WELLS IN PERIOD 1860-1913

LOCATION	COMPANY	NO.WELL	DEPTH	DETAILS
Seal Cove, near shore	POT	#4	2970 ft.	Small show of oil at 2215 feet,
Haldimand, north shore of St.John Barachois			ofrerell are Similages of Sili (lenno)	Salt water at 1304 ft. but no oil.
Douglastown, south shore of St.John Barachois	GBM	albellies in inconel icerse finat rious sesse	600 ft	1860 well. Fraces of oil found.
Sandy Beach	GOC	ridusnes <u>a</u> o bo helpful	684 ft.	1865 well known as the Conant or Adams well. Oil found at various
				levels from 83 feet on. Pumped 25-30 bbls
Sandy Beach, Lot Bl				
Sandy Beach, Lot Bl	POT	#8	1450 ft.	Much salt water but no oil.
Sandy Beach, Lot A6				Show of oil at 2048 ft and 2400 ft. but no flow.

LOCATION CO	OMPANY N	O.WELL	DEPTH		DETAILS
North West Arm. Lot 14 North Range I	POT	#9	2719	ft.	No oil found.
Eastern St.John River. South of		#23	1800	ft.	No oil found
river, Range III York Tp. Lot 25					
York Tp. Range III	POT	#24	1230		Hard limestone. No oil found.
Western St.John River. Range III		#26	2900	ft.	Some gas at 1700 ft.
York Tp. Lot 50				• • • • • • • • • • • • • • • • • • • •	
GBS Range I Lot 33		#12	- SIL 3002	VER EROOK ft.	AREA Small show of oil at 2830 ft. No flow.
GBS Range I Lot 33	POT	#7	2650	ft.	1892-93. Pumped some 25 bbls of oil and lost another 200 bbls by
					accident.
				ft.	A little oil found.
GBS Range I Lot 3	POT #			ft	Show of oil at 1850 and 2360 ft. but no steady flow.
GBS Range I Lot 29	CPC #			ft	Recovered 2 or 3 bbls of oil.
GES Range I 1	POT #1	.0	1400	ft.	135 gallons of oil.

COCATION	COMPANY	NO.WELL	DEPTH	DETAILS
BS Range I ot 31	CPC	#9	2360 ft.	No oil found.
BS Range I				
ot 32	POT	#13	2050 ft.	No flow but seeped later from casing.
			0000 8+	1900 wall No ail
Dot 34		#3	2230 It.	1899 well. No oil.
BS Range I	POT	#11	2957 ft.	1893-95. Struck oil gas at 2220 ft. Exp.
Lot 35				and rig burned. Loss
				several hundred bbl
				oil. More oil found
				2485 ft. but not in
				quantity.
GBS Range I	POT	#14	2775 ft	Produced small amou
Lot 36				of oil. Seepage from casing continued to
				surrounding ground.
and Dames II	CDM	• • • • • • • •	600 ft	1860. The Campbell
GBS Range II Lot 16				near Silver Brook.
ire widuit A				oil. Ref. SPEC arti
				of D. and D. McDouga
and D				to bble of oil bail
Lot 6	POT	#15	2012 10	50 bbls of oil bail contact and 7-8 gal
				per day for some mor
			• • • • • • • • • • • • • • • • • • • •	Rig erected but wel
GBS Range II Lot 5	POT	#39	-	drilled.
GBS Range II	POT	#36	1950 ft	1901 well. No oil
Lot 7				

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	LOCATION	COMPANY	NO.WELL	DEPTH	DETAILS 94
	aldi PS amor h	ogmai so	UTHEAST GA	LT TOWNSHIP	DA SHAFF
	Block 42	POT		2995 ft.	1895 well. Show of oil at 2664 ft. Fumped 150 gals. Continuing seepage
	of oil or land for 7 hold hal				from casing soaked ground in 100 ft. radius.
		UPP	ER SILVER	BROOK AREA	
	GBS Range III Lot 22	POT	#2.2	3130 ft	1896-97. Pumped up to 4 bbls per day for a time but no flow.
	Block 31 Galt	POT	#37	2600 ft.	Show of green oil at 2215 ft. but little produced.
	Block 42	POT	#38	2100 ft	1901-62. Small show of oil at 2030 ft.
				ORK RIVER AR	
	Block 42 Galt	POT	<i>#</i> 6	3640 ft	1892 well. Small show of oil at 2950 ft.
	Block 41 Galt		504	1700 ft	East side of block near middle. No oil. IOC was a Minnesota, U.S.A. campany.
	• • • • • • • • • • • • • • • • • • • •	••••••	• 6500 • • • •		
			FOURTH LA	KE AREA	
	Block 44 Galt	POT	#25	2978 ft	1895-96 well. No oil but gas at 1700 and 2550 ft.
	•••••	• • • • • • • • • • • • • • • • • • • •		• • • • • • • • • • • • • • • • • • • •	Abrand vani
		MISSISSI	PPI BROOK	AREA- LAROCQ	UE TOWNSHIP
210 2	Block 40 York River	POT	π33	2607 ft.	1899-01. No oil /6

LOCATION	COMPANY	NO.WELL	DEPTH	DETAILS TABLE
Block 40 Just west Miss.Brook	POT	π31	2815 ft.	Pumped some 25 bbls of oil. Oil continuing to rise in casing could be bailed out.
Block 40 Just east Miss.Brook	CPC	₩5	2200 ft.	
Block 40 York River	POT	#29	2500 ft	Some gas and oil at 2180 ft. Site of central collecting tank with pipeline to the refinery. 200-300 bbls of
				amber oil reported in tank by Ells on his visit.
Block 40	CPC	#2	1591 ft.	Small show of oil and gas at 1570 feet. Rig burned.
Block 40	POT	#27		1900-01 well. Strong flow of oil and gas at 1467 ft. Considerable quantity of oil
				recovered - more lost and several hundred bbls burned.
Block 40				Struck oil and gas. Initial yield 1745 gals.
				A little oil at 1490 ft.
Block 40 Junction of Twenty and	POT		25%	No oil or gas but much salt water. Rig burned.
Miss. Brooks				
Block 40		#8		Only small trace of oil /7

LOCATION TARES	COMPANY	NO.WEL	L DEPI	PH 744.T	DETAILS
Block 40	CPC	#6	2360		but no yield. Rig burned.
Block 40	CPC	#1	1582		gas at 1550 ft. Recovered more than 1000 gals.
Block 40	CPC	#4	2200	ft.	No oil. Rig burned.
Elock 40 East of east branch Miss.	POT		1810		Hardness of limestone broke drilling tools. No oil
Block 40	POT	#34	1677	ft.	Oil struck at 1600 ft. Recovered 1744 gals to 1902
Block 40	POT	#19	2340	ft.	Quality amber oil at three levels from 1185 ft. Initia recovery 850 gals.
Block 40. Half way between Big Fork and Miss. Brook crossings.	POT C		2550		Oil found at four levels from 1185 ft
Block 40 17 Brook	POT	#18	1960	ft.	1895-96 well. Show of oil at 990 and 1095 ft. but no flow.
Block 40	POT	#20	2173 f	ît	1896 well. Initial output 1750 gals. Cil continued to seep from casing. Active well - 5 gals could be bail at any time.

LOCATION	COMPAN	Y NO.WEL	L DEPTH	DETAILS
Block 40	POT	#2 1	1830 ft	No oil but a strong flow of very cold, slightly saline and distinctly sulphurous water.
	enon <u>L</u>	AROCQUE	TOWNSHIP	
Block 39	CPC	#12	1500 ft.	No oil.
Block 38	POT	#28	3525 ft.	1897-98 well. No oil.
Block 38 Falls Brook			2305 ft.	No oil found.
		MALBA	<u>Y</u>	Clock 40
Malbay River.	Eastern	Single	2950 ft	This well drilled in
North side, 9	Canada	Well		1913 by a company
miles from	Company			managed by C.B.K.Carpent

THE PETROLEUM OIL TRUST COMPANY LIMITED

mouth

It is evident from the above table that the Petroleum Oil Trust and its branch company, the Canada Petroleum Co., dominated the Gaspé oil drilling scene for a decade or more from 1890. Eased in London, England, the POT was incorporated in 1889 under the Imperial Companies Act of the United Kingdom. Its initial capital was fixed at £ 430,000. To an initial acquisition of 30,000 acres of Crown land in the basins of the rivers flowing into Gaspé Bay it later added another 20,000 acres that had been held by the Gaspé Oil Company. Among the branch or affiliated companies of the POT were: LA SOCIETE BELGE DES PETROLES DU CANADA, THE IRISH PROPRIETARY CO., known in Gaspé as THE GASPE OIL FIELD CO., and THE CANADA PETROLEUM CO., of London and Manchester capitalized at £ 300,000.

No oil found.

It is appropriate to recall some of the difficulties faced by the POT in Gaspé during the decade prior to and immediately after the year 1900. At that time the railway had not reached Gaspé. All equipment had to be brought in by sea during the open shipping season. Roads had to be cut through the forest and often corduroyed to support the transport of heavy loads. Eridges were required to cross rivers and brooks. On the York and St. John Rivers scows were built and employed for the transport of goods. Apart from the building of some 75 miles of roads it was necessary to cut and dress the timber for erecting derricks, houses for the drilling crews, stables and store houses. This work gave regular employment to more than 200 Gaspé men who acquired skill and experience as builders of derricks, blacksmiths, tool repairmen, and drillers. The POT is on record as rating its Gaspé workmen as highly skilled - even more so than their colleagues in American oil fields. The impact of this search for petroleum on the economy of Gaspé was significant.

As there is no substitue for direct, eye-witness account of the oil drilling in Gaspé, the third article of this series will recall such observation and comment by Joseph Obalski, Mining Engineer and Superintendent of Mines for Québec from 1881 to 1909, who visited the Gaspé Oil Field on more than one occasion.

A final note on the POT. Readers of SPEC may recall reference in THE BAY CHALEUR RAILWAY-PART II to Alfred William Carpenter, a principal of London's Charing Cross Bank and Gaspé railway builder. Mr. Carpenter was also the President of POT. The operations manager of POT was Mr. Foley. By 1902 the POT ceased operations in Gaspé, went into liquidation, and had its holdings sold at Sheriff's Sale in London, England on December 30, 1905.

GASPE OF YESTERDAY

THE GOLDEN GOAL

THE SEARCH FOR PETROLEUM IN GASPE

PART III

"...The work done up to the present(1899) though extending over a long period and representing a comparatively large expenditure, is only of a preliminary nature. Petroleum exists in the region; it is of superior quality and it remains to be seen whether it is to be found in paying quantities. It is desirable that the operations of the Petroleum Oil Trust should attain that end, for in that case the industrial development of that section of the country would be extraordinary, and its effects would extend far beyond Gaspé and contribute to enhance the value of that great peninsula..."

Joseph Obalski, Supt. of Mines, Quebec.

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though extending over a long period and though extending over a long period and representing a passenting a passenting a passenting a passenting a passenting of large, is only of a oreliminary nature. Fetroleum exists in the resident in la of superior quality and it remains to be superior quality and it remains to be spund in regime quantities. It is desirable that the operations of the Petroleum Oil Irest should attain that case of the country would be extraordinary, and its effects would extend the beyond daspe and contribute to enhance one value of the contribute to enhance one value of the contribute to enhance one value of the contribute.

Joseph Obeleki, Supplementary

THE GOLDEN GOAL

PART III

An expert, eye-witness of the oil drilling activity in Gaspé during the period of the Petroleum Oil Trust was Joseph Chalski. A native of France, Chalski was educated as a mining engineer at the ECCLE DES MINES, Paris and had European experience in his profession before coming to Canada in 1881 as Superintendent of Mines for Québec, a post he held until 1909. A charter member of the Canadian Institute of Mining and Metallurgy, Joseph Obalski contributed to the profession of mining engineering in Quebec as a Professor at the Polytechnic School of Laval University. His comments below, selected from his official reports to the Québec Government, open a window on the Gaspé oil drilling in his time.

- "... The Eastern section of the Gaspé District, which is embraced in the county of Gaspé, is occupied by what is geologically termed the Gaspé series Gaspé sandstones (Devonian) and limestones (upper Silurian). The existence of petroleum in this region, especially in the neighbourhood of the anticlinals where the limestones come to the surface, has long been recognized..."
- "...When I visited the region there were 33 wells completed or in operation. Some of these wells had been sunk to a great depth, the deepest being 3600 feet...oil has been found in greater or lesser quantities in mostly all the wells. In two cases the oil flowed naturally, but since then pumps have had to be used. The last important discovery was made in the summer of 1897, in well No.27. As it was not expected that oil would be found at so slight a depth, no preparations had been made and before the stream could be controlled about 1000 barrels were lost. After tubing the well and connecting it with a tank, it continued to flow in an intermittent manner for some time but after that a pump was put in and three wooden tanks were built, 16 feet in diameter by 12 feet in height and pumping was carried on daily. I was assured that these three tanks had been filled..."
 - "...At the beginning of June, 1898, during a period of drouth, a fire broke out which was caused by sparks from the boiler furnace

setting fire to the engine house. The fire spread to the derrick and before it could be extinguished, owing to the combustible nature of the surrounding objects, and to a high wind, all the buildings were destroyed, including the tanks. Then I visited the spot, about two weeks later, the derrick was being rebuilt and five new wells had been begun in the neighbourhood. At that time about 40 men were employed..."

"...The petroleum obtained in the York River region is a yellowish oil, very clear, with a strong odor of kerosene but without sulphur. It can certainly compare with the best product of Pennsylvania..."

"... The company (CPC) has laid down a line of 2 inch pipes, ll miles in length, which extends from the district of well #27 to the point where the refinery is to be built on the southern part of Lots I-31 and 32 of Gaspé Bay South, near the York River. The greater part of the machinery and plant for that structure has arrived and it is hoped to have them in operation this summer. The total capacity of the reservoirs will be 25,000 barrels and 250 barrels a day can be refined; but naturally this quantity will be less at the start. An iron tank of 2500 barrels capacity has already been erected on Lot I-31, near the refinery, to receive the oil from the district of #27, and another of 500 barrels has been put up near the same well. There is already at the different wells, in wooden tanks or in barrels, a certain quantity of petroleum, which will be sent to the reservoirs as soon as the pipe line is opened..."

"...Samples of oil from district π 27 have been sent to the Paris Exhibition. I append a few analyses showing the quality of the product:

LIGHT GREEN OIL, VERY VOLATILE, FROM DISTRICT #27
Density0.828 at 60.F.
Lighting Point (Abel Test) 0.FF
Light Essences (gasoline, benzine)16%
Kerosene41%
Intermediate Products and Heavy Oils40%
Coke (By dry distillation) 1.36%
Losses 1.009

AMBER OIL FROM DISTRICT #5

Density0.795 at	60.F
Lighting Point	20.F
Light Essences	21:5
Kerosene	35%
Lubricating Oils and Paraffine	42%
Coke	75%
Losses	.1.00%

"... (1901) Hitherto oil has not been found in paying quantities, but the region has been prospected to the Marrows on the York River, about thirty miles from the sea, where the last well I visited was left unfinished. In the Mississippi district, the few wells that were regularly pumped dry during the year, have constantly shewn a little petroleum and notwithstanding the slightly encouraging results obtained, one cannot help supposing the presence of oil in greater abundance in some part of this district..."

THE END OF THE POT ERA

The last wells of the POT era in Gaspé were drilled in 1902 and in the following year Joseph Obalski reported that though the POT still existed its Directors had turned their interest to the building of a railway in Gaspesia.

On December 30, 1905, at Sheriff's Sale in London, England, the following Gaspé properties of the POT were sold:

- . Beach Lot, Township of York. McConnell's Point on South side, Gaspé Basin.
- . Lots #3 and 9, Range II. York.
- . Lots 30-37 inclusive and Lot 39, Range I, Gaspé Bay South
- . Lot 22, Range III, York.
- . Lots, 5,6,7. Range II, Gaspé Bay South
- . Block 20 Blanchet Township
- . Blocks 32 and 42 Galt Township

- . Blocks 38 and 40 Larocque Fownship
- . Blocks 44 and 56 Daillargeon Township
- . Tracts in Range I of Gaspé Day South were acquired by LeDoutillier and Whalen of Gaspé Harbour.
- . Some 10,000 acres of mining rights in Gaspé Village, York, Gaspé Bay South and Douglas were acquired by an unindentified "English Gentleman".

THE MALDAY WELL

During the years from 1903 to 1913 the search for the elusive commercial quantity of Gaspé petroleum remained in limbo. The men of Gaspé who had acquired skills in that search had to turn to the more traditional Gaspesian occupations. "The Golden Goal" remained, however, a lively topic of interest and speculation in Gaspé - kept alive by the conversation of men such as the late Fred. Richmond. But with the exception of the single well drilled on the north side of the Malbay River in 1913 by C.K.B. Carpenter, the search would have to await a new influx of companies and capital in the 1930's. To that story GASPE OF YESTERDAY now turns.

SEARCH RENEWED -FROM 1937 ONWARD

Ey the mid-1930's it was becoming increasingly evident that the world was moving inexorably towards global conflict and war. The rise of militant dictatorships in Germany and Italy and the military and naval build-up in Japan cast dark shadows over the free world. It was also evident that when war came it would create tremendous demands on the energy supplies of the participants. On land, at sea and in the air the vehicles, ships and planes would be fueled by the output of petroleum wells. It was against this background that the search for petroleum in Gaspé was renewed in the 1930's and continued for another two decades.

SUMMARY OF THE NEW DRILLING CYCLE

A new cast of companies seeking petroleum in Gaspé appeared in the 1930's. In the following summary of their activities they are identified by the abbreviations which follow:-

ADL ASSOCIATED DEVELOPMENT LTD.

CEG..... DA COMPAGNIE D'EXPLORATION DE GASPE, LIEE.

CPL..... CONTINENTAL PETROLEUMS LID.

GOV..... GASPE OIL VENTURES

IOL..... IMPERIAL OIL LIMITED

M.cM..... ROBERT MCMASTER AND SONS

MPG..... NINERAUX ET PETROLE DE GASPE, LTEE

POC..... PENINSULAR CIL JORPORATION

P-F.... PAUL PAYETTE

Block 42

Galt To.

QCD..... QUEBEC CIL DEVELOPMENT LTD.

(Note: The reorganized Peninsular Oil Corporation = NPOC)

CPL Continental

#1 2751 ft.

LOCATION	COMPANY	WELL	DEPTH	DETAILS
Lot 51 Range I Gaspé Bay	MPG	Test (1937)		No oil or gas found.
North Tp.	.#1	10 ⁰ 100		foes? vbras
S.E.Larocque Tp. 3/4 mile E. of S.end			ippi 5995 ft.	No oil or gas found.
of Dartmouth Lake.		618	2.5	
Lot 2 Range II Douglas.Gaspé South	IOL	Haldima #1	nd 4779 ft.	Used the drilling equipment from Mississippi #1 well No oil or gas. Abandoned 1942

16

Well started 1942.

Abandoned 1948.

Gas at 833 and 2137 ft.

Show of oil at 847 and 2424 ft.

LOCATION	COMPANY WELL DEPTH	BLIATEC
Dlock 40 Galt Tp.	CPL Continental #2 2932 ft	Small show of oil at 1350 and 2338 ft.
Elock 42 Galt Tp.	CPL Continental- Gaspé #1.1380 ft.	Began 1948. Adjacent to Continental #1 Show of oil and gas at various levels from 577 ft. Test yield of 22 gals per day -1949.
Sandy Beach Lot A. Range S Douglas Tp.	McM McMaster (Conant) #1 821 ft.	Clean-out of the old Conant well to 821 ft. Same show of oil and gas. Unable to stop inflow of salt water. Cil entering with salt water. Abandoned 1945
Holland Tp. 2 miles S.W. York Lake	POC P.C. 8138 ft. NPOCC #1C.	from 90 to 444 ft. Abandoned 1945. 1945 - 1954 One of deepest wells. Shows of gas and oil at various levels from 700 to 8000 ft. Rig fire damaged 19
	+	

LOCATION	COMPA	MY WELL	DEPTH		DETAILS
Fletcher Tp. Patch Brook	2.101	MTN #1 2. IMP. GASPE #1			1947-48 Drilled by CPL to 1830 f Deepened by ICL to 6360 Mo gas or oil. Plugged - 1950
Galt Tp. 1/2 mile S. of Venture wl	GOV	Venture #2	2132	ft.	1947-48 Show of gas and oil from 1765 feet. Tools lost and well abandoned.
Galt Tp. 50 ft. from Venture #1	GOV	Venture #3	2399	ft.	1948-50 Gas from 1970 ft. Some oil at 2297 ft.
	QOD	Québec	2000	ft.	1949-51 Abandoned Mov. 1951 when bailer and tools lost in hole.
Lot H.Range I Bois Brulé Douglas Tp.		Tar Point #1	to sa you a "gnib		1950-1954 A private venture by Paul Payette. Show of oil and gas at 4118 ft.
Galt Tp. Block 42	CPL	Continenta Gaspé Deep Test #1		f ft.	1951-53 Experienced serious drill problems in 1953.
Fletcher Tp. Patch Brook	IOL	Bald Mountain	6618	3 ft	1951-57 At 6605 ft. strong gas flow -100,000 cubic ft. per day at 1400 lbs.per sq. in. pressure.

		WELL DEPTH VIAGROO	
	JOD	Québec 6000 ft Oil #2	Drilled S. of Well #1
	CPL	Asphalt 2700 ft. Pase #1	1953-54 Retween drilling seasons 65 gals of oil accumulated in well.
St. Moise F Matapedia		Awantjish 800 ft.	No oil or gas
		Causapscal 4715 ft #1	1958 Some gas - no oil.
Baillargeon Tp. Block 54	ADL	Baillargeon 3270 ft. #1	1959. Some gas but no oil.

THE SEARCH CYCEENDS

From 1957 the interest of driller for oil shifted from Gaspé to the St.Lawrence Lowlands region of Quebec. Their Gaspé wells were abandoned or left "standing".

In recalling the significant investment of effort and money in the Gaspé search from 1860 to 1960, GASPE OF YESTERDAY must leave open and still unresolved the key question of petroleum resources in Gaspé. The hopes of generations of Gaspesians have been raised only to be dashed by apparent failure. Perhaps, in time, new technology and new search will provide a definitive answer to "THE GOLDEN GOAL" - an answer so elusive to date.