CHAPTER IX

CONCLUSIONS

In the fast developing economy of Malaysia. the future is very promising for all investors. To realise the potentials fully is, however, not easy. Any investment, if it is to be productive, necessitates a sound approach. The positive efforts of the Government to industrialise the nation's economy, and its untiring efforts to uplift the standard of living of its people have certainly made the future very bright, particularly so for the petroleum industry. However, a little reflection will bring the consciousness back to those who ere always inclined to hold this optimistic view. This particular industry has been characterised by very keen competition, and perhaps over-saturation of participants. There are 5 rival companies, Esso, Shell, Caltex, Mobil and B.P., for a relatively small country like Malaysia. With the present policy of the Covernment, there is no guarantee that new competitors will not enter the industry at all. As such, a sound marketing philosophy and a realistic approach towards the industry are two of the basic essentials for successful investments. An appraisal of the method adopted by Esso in its retail trade development is, therefore, appropriate.

In the course of reviewing this exercise, one would certainly notice the adoption of a special retail function. The company does not actually sell to the final consumers directly, but through an intermediary - the retail outlet dealers. Perhaps the question may be raised: Is not the retail sales function of the company redundant or unnecessary? The Retail Sales Department does not perform the retailing function one would expect it to; neither do the retail salesmen of the company perform the usual task of selling directly to the final consumers. In retrospection, one would realise that the unusual type of retailing in the petroleum business necessitates this unique nature of retail sales function, having regard to the very keen competition in this particular industry and to the fact that direct selling by the company to the final consumers is simply impractical, as this would make the sales function so enormously heavy that effective execution of the retail sales development programme may be curtailed. Thus, the function of direct selling to the final consumers is delegated to the retail outlet operators. The Retail Sales Department, therefore, concentrates on the function of retail sales development to a very large extent, and the retail salesmen assume the peculiar role of business advisers as well as assist the Retail Sales

Peretail outlets are also made highly competitive of as to be in accordance with the concept of "merchandisable" outlet and the operators or dealers are very well trained to perform the retailing job through the dealer training programme. Such a thorough planning with well-coordinated functions has creatly enabled the company to achieve successful operations in the retail business of the petroleum industry.

Turning to the company's policy of investing, as far as possible, in the assured type of retail outlets, the writer has but this to comment. It is, in relation to the marketing concept of the company and its retail sales function, most consistent and well chosen course of action. Through ownership of land or building or both, or through lease or other contractual agreements, the company is assured of the desired channel of distribution through which its products can be exposed and sold to the final consumers at all time. Assuming that such line of action has not been adopted and that the company has to rely mainly on the dealerbuilt outlets or non-assured outlets to distribute its products to the consumers, a situation may arise where all such outlets, through some unified action, turn against the company and refuse to sell its products

or adopt a general boycott against the company due to some transactions not acceptable to the dealers in general. Then the position of the company in the industry would certainly be greatly jeopardised. An even worse situation may arise if the dealers decide to turn to the company's rivals and market their products. A complete collapse of the company is not unimaginable. The farsightedness of the company in its investments in the assured type of outlets has certainly placed it in a soundly protected position against such an eventuality.

Since 1962, not a single retail outlet built by the company has been closed down for business. Such a phenomenal feat alone is enough to reflect the soundness of the approach towards the making of investments in retail trade. This may be attributable to the excellent programming of site selection and evaluation. All the factors relevant to such selection and evaluation — economic characteristics of the trading area, traffic arteries and traffic exposure, economic environments of the trading area, as well as the station's layout

Although such a situation is highly impossible, it cannot be ruled out entirely. Already in a certain it cannot be ruled out entirely. Contemplated the area, retail outlets' dealers have contemplated the area, retail outlets' dealers association. To the formation of petroleum dealers' association. To the writer's knowledge, a proten committee had already been writer's knowledge, a proten committee had already been formed.

and design, accessibility and visibility, etc. are taken into consideration. Nevertheless, the analysis is not without its shortcomings. Can all the necessary information be obtained? It is apparent that some information is hard to come by, and some is simply non-existent. Can the person engaged in site selection and evaluation find out the are level of the consumers, their income level, or the number of vehicles per household? Statistics pertaining to a particular area are definitely scarce, or even not available. What he obtains are essentially guesses or approximate data only. There is thus a lack of objective data for assesing the desirability of an area for development into a retail outlet. The true picture of the area is liable to be distorted.

The primary instrument for justifying any proposal is the Retail Outlet Proposal Analysis (or commonly known as BUD-12), with a supplementary Discounted Cash Flow Analysis. Obviously the validity of these analyses heavily on the estimated volume of sales of the proposed retail outlet. Unless the estimation of the volume potential is realistic and senuine, these analyses cannot be relied upon. The importance of having reliable estimate of volume potential cannot be over-emphasised. In the BUD - 12, the main criterion of justification is the simple rate of return on investment

returns for the subsequent years will differ from the second year's return. Although the returns on investment for the subsequent years can, in a way, be said to have been taken care of by the growth rates of these years, it is doubtful as to the validity and applicability of the growth rates. The growth rates may have general applicability, but certainly they cannot be used with absolute accuracy and reliability in every specific situation.

been observed. The usual procedure for determining the residual value at the end of the twentieth year is to double the original value of investment. The reason for doubling the original value of investment is that after twenty years, the station will still be there—a too optimistic view perhaps. Horeover, if the station has not been built, the same amount of investment will have to be made if the company decides to invest in the area after twenty years' time. Thus the value of the station will amount to twice the original amount of investment if the investment is made now. The

The writer was taught by the company to double the original amount of investment in order to arrive at the residual value at the end of the twentieth arrive at the regrets that the explanation cannot year. The writer regrets that the explanation cannot be accurately quoted here.

explanation is entirely unacceptable to the writer.

In determining the residuel value of the investment at the end of twenty years, what should be ound is the net realisable value of the assets at the end of the twentieth year. Land may not wear out after twenty years, and in accordance with the generally accepted accounting principle, land may not be charged The more acceptable off as depreciation expense. value of land, however, should be its market value at the end of the twentieth year, which may be higher due to appreciation brought about by the improved surrounding economic conditions of the locality with the passage of time. As for items under improvements and equipment, the residual value should be their net realisable value. Thus, for the DCF analysis, the residual value of the investment after twenty years should be the net realisable value of the assets, consisting of land and the physical facilities.

Also, in order to be in consistence with the concept of "merchandisable" outlet which takes into consideration such factors as pleasing appearance of consideration such factors as pleasing appearance of station, attractive facilities for satisfactory services, station, attractive facilities for satisfactory services, and so forth, the writer wishes to suggest that future

Finney, H.A. and Miller, H.E. Principles
of Accounting, Introductory, Prentice-Hall, 5th. edition,
Ch. 18.

investments such as modernization of building and ancilliary investment on the proposed outlet should be roughly estimated and integrated in the analysis. After all, a station cannot always remain in competitive position for twenty years without modernization and improvement such as building rennovation and equipment replacement, so that the station is in line with the concept of "merchandisable" outlet of the company as well as the concept of retail location as advocated by other authorities.

In the calculation of the DCF Analysis the maverage gross profit margin after average marketing expenses" is determined by reducing the gross profit by the wholesale and station expenses; the difference is then divided by the number of barrels, (refer to the section on DCF analysis Ch.VI). Depreciation, which is a non-cash expense is also included. However, if the actual discounted rate of return is to be obtained, then the average gross profit margin should be \$2.40S per barrel, obtained by excluding the non-cash depreciation expense. In this case, the

Refer to Baker, Anderson and Butterworth, Principles of Retailing, McGraw-Hill, 3rd. Edition, Ch.5

Average gross profit margin after average marketing expense (excluding depreciation) = 20288 - 4432 - 863 6164

^{- \$2.4}U.S. per barrel]. For figures, see BUD-12.

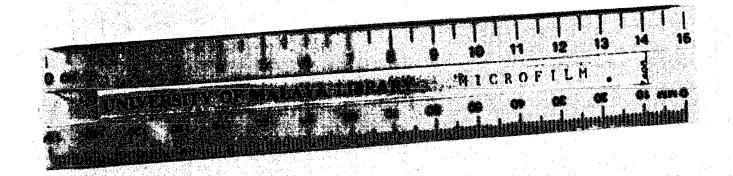
series of annual cash inflows would be more accurate, and consequently, the actual discounted rate of return on investment would be 31.55% instead of the 27.5% as obtained previously. Perhaps, the understated rate of return is deliberated in order to provide a safety margin for erroneous estimation of volume potential of the proposed outlet.

As already pointed out there are many possibilities for the actual performances of retail outlets to deviate from the expected performances. The re-evaluation of retail outlets that have completed two full years of operation is an instrument for detecting such deviations. It is very essential in the sense that such stations are held in constant check, and for those stations that have failed to achieve at least 90% of the target, corrective actions can be timely effected before it becomes too late. Perhaps, this positive step of making a re-evaluation of such stations having completed two full years of operation argues well for the fact that no station since 1962 has been put out of business at all.

In conclusion, it should be pointed out that the approach towards site selection and evaluation

⁴⁷ See Appendix 6.

and the various evaluation processes are certainly very well-planned, thorough and realistic except for a few shortcomings which are inevitable.



APP ENTO IX

TRAFFIC COUNTS CONDUCTED AT THE FOUR SITES A, S, C AND D. (Figures are cumulative.)

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Due to lack of time, the writer could only take the tractic count in 8 sampling hours, as indicated in the table above.

The reason for selecting these sampling hours is that the traffic flow at this time is normal. 8

In taking the count, a vehicle is counted as many times as it passes the site. E.g., a car which passes Site A thrice will be counted 3 times in the count taken at 8

The count includes all motor vehicles passing the sites but excludes secoters and motor-bikes. 3

PANDOM SAMPLINGS OF SE SALLE MADE AT

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18,80 8,08 14,07 8,00 4,46	17.82 2.60 9. 48 15.05 4.10	3.45 8.04 6.10 4.87 15.12
25.40 10.12 9.60 10.80 5.50	6.70 9.50 15.00 8.00 10.50	10.85 5.00 2.16 10.00 20.05
4.60 4.60 11.10 10.80 5.00	7,90 10,80 4,00 6,00 8,38	4.45 15.00 4.76 11.46 2.60
10.00 4.02 5.00 15.80 10.60	15.72 10.60 3.00 4.50 7.30	4.00 6.00 10.80 2.50 15.80
Total: 14239-23	MJ 93.90	M\$201 . 18
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rice of Esso xtra Casoline or Gallon:		
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These locations are located in residential areas.

(2) In outlanding the sales potential of the selected site at lates feature, they, the writer has assumed the approximately parabase of conteness to be approximately

COPARATIVE SITE EVALUATION WORKSHIEF

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Under Botter e									`.

When a new site is being considered and the average Base site volume is less than the minimum lat. Year volume and spot column checks are under "sums" or "not so good", reject the site.

For all other conditions, employe the Inherent Site Bulletion Worksheet.

APPENDIX & INHERENT SITE EVALUATION WORKSHEET

Istimating Base Volume: 1. Traffic Count passing cars 2. Multiplier (Trading hours per week divided by sampling hours.) 3. Estimated Weekly Exposure.i.e. (1)X(2) 4. Percentage of Weekly Traffic Exposed Making Purchases 5. Estimated Number Of Cars Exposed To Site Making Gasoline Purchases Weekly galions 6. Gallons Per Gasoline Purchase 7. Estimated Gallons Sold Per Week: gallons 1.e. (5)X(6) 8. Estimated Gallons Sold Per Month: gallons 1.e. (7) 14.3 weeks gallors 9. Estimated Gallons Sold Per Year (mae Volume) Adjustment To Base Volume: & Adjustment (Plus Or Mimus) Dimensions Type Location Signals Speed Curb Cuts Visibility Income Age Competition Not & Adjustment: Therefore, Adjusted Base Volume = Base Volume X (1.0 ± Net & Adjustment) ___ gallons gallons Add: Population Density Factor, If Any gallons Not Estimated Volume Potential

ADDUSTREST PACTOR SHEET

Site Pactors:

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Over 15,000 sq. ft. and over 150 ft 10,000 - 15,000 sq. ft. and 120 - 1 Contage Think 10,000 sq. ft. and/or under 1 Contage	0 .8.
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11 mone If mone If stop signs or traffic lights Rear corner site Far corner site	- 10% - 5% + 5%
8. Average Traffic Speed: Residential only: Under 20 m.p.h. 20 - 30 m.p.h. Over 30 m.p.h. Residential - shopping: Under 20 m. Over 20 m.	+ 5% - 5% - 5% - 5%
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7.	Visibilit	y: (Oval Visible From Left-Hand Lane, in Street)
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8.	Vacate y	Armal Family Income In Area:
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9.	Ago In Ar	
	Under 30 30 - 40 Over 40	
10	. Competit	
	6 or less Over 6 or	s competitors in 2 block radius - 10% mpetitors in 2 block radius - 10%

11. Population Density:

For each 100 households with more than 1,500 persons in a half-mile radius, ADD 500 gallons to the adjusted base volume.