

December 1, 1967

1513 023026

Mr. K. M. Elliott, Vice President
Mobil Research & Development Corporation
190 East 42nd Street
New York, New York 10017

Dear Mr. Elliott:

The Shale Oil Engineering Appraisal Team received 15 retorting proposals which were judged to be acceptable subject matter for appraisal in accordance with paragraphs 2a, 2b and 2c of R. W. Schiessler's letter of October 27, 1967. Copies of these proposals are attached.

We have classified the 15 proposals into categories as follows:

<u>Category</u>	<u>Proposal</u>
Gas Combustion Retort	As developed at Anvil Points
Gas Combustion Retort Modification	
- Soaking Zone	Esso No. 2
- Fines Removal	Mobil No. 1
- Hot Liquid Withdrawal	Sinclair No. 5
- Pressurized Retort	Esso No. 3
- Mechanical Improvements	Pan American No. 1
	Sinclair No. 5
- Vent Gas Oil Recovery	Pan American No. 2
Union Retort With Recycle Gas	Esso No. 1
Shaft Retort Without Dilution from Combustion Zone	Pan American No. 5
	Esso No. 4
	Mobil No. 2
	Mobil No. 4
Shaft Retort Without Condensation of Oil Vapors in Retort	Conoco No. 1
Shaft Retort Without Dilution from Combustion Zones and Without Condensation of Oil Vapors in Retort	Pan American No. 3,
	Pan American No. 4
	Conoco No. 2

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December 1, 1967

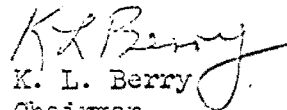
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Mr. K. M. Elliott

The Appraisal Team examined each of the proposals and made an initial selection of cases for more detailed evaluation as follows:

<u>Case No.</u>	<u>Category</u>	<u>Proposal</u>
1	Base Case-Gas Combustion Retort	Run C-1049
1 A	Soaking Zone Addition	Esso No. 2
1 B	Fines Removal Addition	Mobil No. 1
2	Union Retort with Recycle Gas	Esso No. 1
3	Shaft Retort Without Dilution	Mobil No. 2
4	Shaft Retort Without Dilution	Esso No. 4, Pan American No. 5
5	Shaft Retort Without Dilution and Without Condensation	Pan American No. 4 Conoco No. 2

Very truly yours,


K. L. Berry
Chairman

Engineering Appraisal Team

KLB:njp
Attachments

cc: Mr. F. R. Conley ✓
Mr. J. H. Smith
Mr. H. P. Dengler
Mr. W. O. Taff
Mr. S. L. Meisel
Mr. R. Mungen
Mr. R. T. Ellington
Mr. G. A. Blaine