bcc: 1070 - H. R. Ford
1060 - J. Armentor
B2NG -
B2SC - C. Paton

March 30, 1973

Transocean Oil Co., Inc.
1111 Fannin
Houston, Texas 77002

Attention: Mr. Dan Houser

Dear Mr. Houser:

Enclosed is our literature covering Monsanto's Therminol 66 heat transfer fluid for consideration in your offshore operations.

We feel confident that Therminol 66 is the best fluid selection for many reasons:

1. Therminol 66 has been used successfully in industrial heat transfer applications since 1965. It is not a new fluid and we presently have about 500 operating systems. About 20 systems are already operating offshore in the Gulf Coast area.

2. The thermal stability of Therminol 66 is even greater than that of Therminol FR-1 which was used successfully for years prior to its withdrawal from the market. This means even longer fluid life at less cost to the user.

3. Therminol 66 has a higher flash and fire point than our competitors and these features are very important in the design of an offshore platform from the fire protection standpoint.

4. Therminol 66 requires no system pressurization even up to 650°F; thus, a leak from the system at high temperature is usually contained in the immediate area of the leak. Therminol 66 does not spread easily; thus, it is less likely to locate an ignition source. We do suggest an inert gas blanket for the expansion tank to prevent air contact; however, this blanket can be 1 psia or less.

5. Therminol 66 is virtually odorless and is considered to have extremely low toxicity. Animal feed studies for rats, rabbits and fish are available for review. Fluid toxicity should be of prime importance in view of the public concern for environmental issues.

6. Therminol 66 is not subject to separation at high temperatures; thus, you will not experience vast viscosity changes should you operate the fluid at high temperature with the expansion tank open for venting purposes. This feature is very important because it allows you to drive off outside contaminants like water without fear of product separation.

7. Therminol 66 is not soluble in triethylene glycol; therefore, it should be possible to separate the two products should there be accidental contamination caused by a heat exchanger failure. A product which is soluble in TEG would very likely have to be entirely removed from the system to prevent serious fluid decomposition.

8. Although we recommend complete removal of all polychlorinated biphenyls (PCB's) from systems prior to filling with Therminol 66, experience has shown that Therminol 66 is more compatible with residual PCB than competitive fluids presently used.

9. Therminol 66 is produced by Monsanto at Anniston, Alabama. We do not depend upon an outside concern for our production; thus, we do not have an availability problem. We maintain quantities of fluid at the following locations:

   Morgan City, Louisiana - drums and skid tanks

   Houston, Texas - drums

   Anniston, Alabama - drums and bulk

We also offer Therminol 66 in 550 gallon skid tanks for ease of filling. We normally fill the skid tanks at Morgan City and deliver to specified dock in the Gulf Coast area.

Pricing information for Therminol 66 is as follows:

Quantity	Price/Gallon
Bulk (2,000 gallons minimum)	$2.85
40 drums or more	$3.10
5 to 39 drums	$3.45

These prices are all F.O.B. Anniston, Alabama. Terms are net 30 days. Approximate cost for Therminol 66 in skid tanks will vary according to the number of skid tanks, but will be about $3.15/gallon plus freight charges.

All orders should be entered by calling our toll-free number, 800-325-3850 (Joe Kleffner), or if you have questions, please call me at 314-694-7109.

Very truly yours,

J. J. Roder
Heat Transfer Specialist
Therminol

JJR/vb
Enclosure

P.S. We also offer disposal services for PCB's and PCB-containing flammable flushing fluids for a nominal charge of $.03/pound at our plant in Sauget, Illinois. Our flushing fluid, Therminol 55, is available in bulk quantities of 2,000 gallons at $.825/gallon, FOB Alvin, Texas. Drum quantity prices vary from $.90 to $1.05/gallon, depending upon quantity. Additional data on alternate flushing fluids and conversion procedures is included inthe enclosed "Therminol Conversion Bulletin".

JJR