STATE OF CALIFORNIA

PETE WILSON, Governor

AIR RESOURCES BOARD
2020 L STREET
P.O. BOX 2815
SACRAMENTO, CA 95812

December 21, 1994

Mr. Wayne Tarpley
Engineering Manager - Dispensers
Schlumberger Technologies
1300 Bicentennial Drive
Post Office Box 280
Bonham, Texas 75418

#94-32

Dear Mr. Tarpley:

Certification of Schlumberger Assisted Vapor Recovery (SAVR) Retrofit Assemblies

You requested California Air Resources Board (CARB) certification of the Schlumberger Assisted Vapor Recovery (SAVR) Retrofit Assemblies, using the certified Gilbarco VaporVac Assist System. The SAVR Retrofit Assemblies will be used to convert Schlumberger 4000 Series Dispensers, previously installed in the field without vapor assist to dispensers with vapor assist. The retrofit assemblies consist of vacuum pumps, vapor valves, electronic boards, power supply, and hose outlets from the Gilbarco VaporVac unit repackaged in a sheetmetal enclosure built at Schlumberger. These are the same vapor assist components in the recent CARB approval (#94-8) of the Gilbarco VaporVac with Schlumberger 4000 Series Dispensers.

CARB staff verified that the SAVR field retrofit 4000 series dispensers functioned equivalent to the previously certified 4000 series dispensers. CARB staff conducted air to liquid ratios of the field retrofited 4000 series dispensers, using the same type of bootless nozzle and hose as the certified vapor recovery system, and found the performance of the SAVR field retrofit 4000 series dispensers to meet the A/L data of 1.00 to 1.25 as specified in Executive order G-70-150-AB.

As required by the Air Resources Board certification procedures, you requested the approval of the Division of Occupational Safety and Health, the Office of the State Fire Marshal and the Department of Food and Agriculture, Division of Measurement Standards. The necessary approvals have been obtained from these agencies.

I find that the use of the SAVR Retrofit Assemblies to convert nonvapor assist Schlumberger 4000 Series Dispensers to vapor assist dispensers, when installed in accordance with the manufacturer's instructions, will not adversely affect the performance of vapor recovery systems on which they are installed. Based on my staff's analysis and testing, I also find the SAVR Retrofited Dispensers equipped with Gilbarco VaporVac equivalent to the certified Gilbarco VaporVac bootless nozzle vapor recovery system as contained in Executive Order G-70-150-AB. Therefore, I certify the

following SAVR Retrofit Assemblies for the Schlumberger 4000 series dispenser:

<u>4PD - Four Product Retrofits (3 Gasoline, 1 Diesel)</u>
8400204-XX 4440 (Double Sided) Retrofit Assembly
8400207-XX 4400 (Single Sided) Retrofit Assembly

<u>4PD - Four Product Retrofits</u>
8400214-XX 4440 (Double Sided) Retrofit Assembly
8400215-XX 4400 (Single Sided) Retrofit Assembly

<u>4PD - Four Product Retrofits (Two Hoses Per Side)</u>
8400212-XX 4442 (Double Sided) Retrofit Assembly
8400213-XX 4402 (Single Sided) Retrofit Assembly

<u>3PD - Three Product Retrofits</u>
8400203-XX 4330 (Double Sided) Retrofit Assembly
8400208-XX 4300 (Single Sided) Retrofit Assembly

<u>3PD - Three Product, Single Hose Retrofits</u>
8400205-XX 4331 (Double Sided) Retrofit Assembly
8400211-XX 4301 (Single Sided) Retrofit Assembly

<u>2PD - Two Product Retrofits</u>
8400202-XX 4220 (Double Sided) Retrofit Assembly
8400209-XX 4200 (Single Sided) Retrofit Assembly

<u>1PD - One Product Retrofits</u>
8400206-XX (Double Sided) Retrofit Assembly
8400210-XX (Single Sided) Retrofit Assembly

"XX" = Color and Decal Options

The previously mentioned retrofit assemblies for the 4000 Series Dispensers will be added to the Gilbarco Executive Order G-70-150-AB at the next revision.

If you have any questions, please feel free to call Christine Mckenzie at (916) 324-7658 or Laura Sullivan McKinney at (916) 327-1525.

Sincerely,

James J. Morgester, Chief
Compliance Division

cc: Vapor Recovery Technical Committee
Mr. Craig Hartsell, Gilbarco