

IMPLEMENTING AGREEMENT XV TO THE  
MEMORANDUM OF UNDERSTANDING  
BETWEEN  
THE DEPARTMENT OF ENERGY OF THE UNITED STATES OF AMERICA  
AND  
THE MINISTRY OF ENERGY AND MINES OF THE REPUBLIC OF VENEZUELA  
IN THE AREA OF  
"OIL RECOVERY INFORMATION AND TECHNOLOGY TRANSFER"

Whereas the United States Department of Energy (hereinafter "DOE") and the Ministry of Energy and Mines of the Republic of Venezuela (hereinafter "MEMV") concluded an Agreement in the Field of Energy Research and Development of March 6, 1980;

Whereas the Parties believe that the cooperative activities in the field of energy research and development undertaken pursuant to the Agreement were mutually beneficial to both Parties, a new Agreement was signed on the 8th day of September, 1993 (hereinafter "Agreement (1993)");

Whereas the Parties have a common interest in continuing certain Implementing Agreements under ARTICLE XIII of the Agreement (1993) and in undertaking new cooperative activities in the field of energy research;

The parties agree as follows:

ARTICLE 1

The Four Tasks to be carried out under "Implementing Agreement XV, Oil Recovery Information and Technology Transfer" are:

Task 1: Information Exchange

- a) Each Project Manager shall prepare a distribution list of representatives in his respective country for the exchange of information.
- b) Periodic exchanges of information will be performed as per Project Managers agreement. Information to be exchanged will include but not limited to the DOE Quarterly and Annual Reports, INTEVEP Technical Magazine "Vision Tecnologica", and copies of INTEVEP papers related to the area, presented in international events.

**Task 2: Data Base Compilation and Exchange**

- a) Periodic exchanges of data of past and on-going EOR projects conducted in their respective countries will be performed as per Project Managers agreement.
- b) Available data for the compilation prepared by the United States shall mean non-confidential data from government funded, cost-shared Research, Development, and Demonstration (RD&D) activities in a continuation of the effort to maximize the economic producibility of domestic oil resources (Class Program) and such other public data.
- c) Available data for the compilation prepared by Venezuela shall mean non-confidential data.
- e) United States personnel will obtain the data, make the assessments, and report the results.
- f) MEMV personnel will obtain the data, make the assessments, and report the results.

**Task 3: Simulator Updates and Development**

- a) The Project Managers shall cooperate in developing new simulation tools which incorporate geology and/or geostatistics into existing simulator codes.
- b) Cooperation will take the form of sharing literature references, new codes as available, or new methodologies as they become available.
- c) As each new simulation code is developed, both parties will jointly develop a plan for review, calibration, and evaluation, of each code.
- d) Both parties will update each other on prudent developments in geostatistics and parallel simulation as reported in the literature and as developed within their respective research programs.

**Task 4: Technical Exchange Meetings**

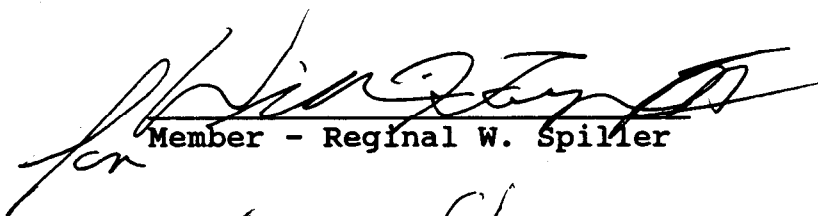
- a) Either party may request meetings to discuss, gain assistance, or receive training in the use and development of the simulation codes and model calibrations, or other aspects of Task 1 through Task 4 of this implementing agreement.

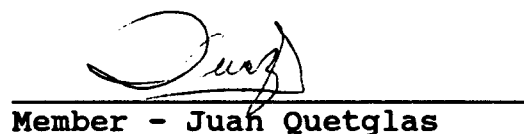
ARTICLE 2

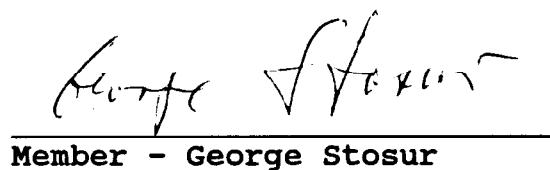
Implementing Agreement XV to the Agreement shall become effective when signed by the appropriate DOE and MEMV representatives. The Implementing Agreement, as amended, shall remain in effect until September 7, 1998, or until terminated by written notice as provided in Article XIII of the Agreement (1993).

On behalf of DOE

On behalf of MEMV

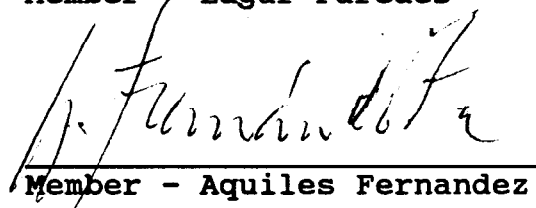
  
Member - Reginal W. Spiller

  
Member - Juan Quetglas

  
Member - George Stosur

  
Member - Edgar Paredes

  
Member - Thomas C. Wesson

  
Member - Aquiles Fernandez

4/26/94  
Date

4/26/94  
Date