

PETROLEUM ENGINEERING  
RESERVOIR STUDIES  
EVALUATIONS  
GEOLOGICAL STUDIES

EWELL N. WALSH, P.E.  
President

WALSH  
ENGINEERING & PRODUCTION  
CORPORATION

PETROLEUM CLUB PLAZA BUILDING  
P. O. BOX 254  
FARMINGTON, NEW MEXICO 87401

LEASE MANAGEMENT  
CONTRACT PUMPING  
DRILLING SUPERVISION  
WORKOVER SUPERVISION

TELEPHONE 325-8203

July 16, 1970



Mr. Carl C. Traywick  
Geological Survey  
U. S. Dept. of the Interior  
P. O. Box 1857  
Roswell, New Mexico 88201

Re: Southern Gulf Production Co.  
Navajo Tocito No. 4  
SW/4, NE/4, Sec. 9-T26N-R18W  
San Juan County, New Mexico  
Lease No. 14-20-603-5019

Dear Mr. Traywick:

As agent for Southern Gulf Production Company, approval is requested to perform a test of the gas from the above-referred-to well. The test will consist of processing the gas through equipment owned and operated by Linde Company (Division of Union Carbide).

The test will be conducted in the following manner:

Test Period: Two weeks (14 days).

Gas Requirement: Maximum of 500 MCF/day or maximum of 7000 MCF for the two week test period.

Test Procedure: Test consists of collecting a gas sample of 170 MCF more or less of raw gas, at approximately 2500 psig, at the well site and then transporting said gas by truck 18 miles to the Linde plant site at Shiprock, New Mexico. At this point the gas will be metered, tested and processed by Linde.

Metering Procedure: Due to the impractical cost of installing a metering system at the well site, the raw gas will be metered at the plant during this test period. The gas will be measured through an orifice meter, with a  $\frac{1}{2}$ -inch orifice plate, at approximately 600 psig. Test run July 15, 1970, from 8:00 A. M. to 8:00 P. M. indicated that gas drawn off the casing side through a  $\frac{3}{16}$ -inch choke will yield a negligible amount of free liquid or condensate and that the installation of separation equipment is not necessary to remove liquids from the produced gas. As a result of this test the gas will be produced from the well to the truck under the same conditions; therefore, eliminating any distillate collection or sale.

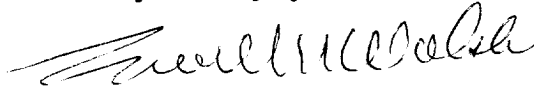
Mr. Carl C. Traywick

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July 16, 1970

Oral approval for conducting the above described test was received on July 15, 1970.

Very truly yours,



Ewell N. Walsh, P. E.  
President

ENW:lt

cc:Eastern Petroleum Company  
3001 Northwood Circle  
Farmington, New Mexico 87401

Southern Gulf Production Company  
840 Houston Natural Gas Bldg.  
Houston, Texas 77002

Geological Survey  
U. S. Dept. of the Interior  
Farmington, New Mexico 87401

New Mexico Oil Conservation Commission  
1000 Rio Brazos Road  
Aztec, New Mexico 87410