

MAIL ROOM

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April 16, 1969

Henry Engineering  
807 First National Bank Bldg.  
Midland, Texas 79701

Attn: Mr. Robert L. Angevine

Gentlemen:

After our telephone conversation of this date, this letter supersedes our letter dated April 15, 1969.

Since there is no communitization and no unit operations involved, you do not need approval from the State Land Office to commence production.

The only authority you will need will be from the New Mexico Oil Conservation Commission.

Yours very truly,

ALEX J. ASMLJO  
Commissioner of Public Lands

By:  
TED BILBERRY, Director  
Oil and Gas Department

AJA:TB:RM:cw

cc: New Mexico Oil Conservation Commission ✓

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April 15, 1969

Henry Engineering  
807 First National Bank Building  
Midland, Texas 79701

Re: Request to commingle condensate from  
Indian Hills Unit "Gas" Com. #6,  
Section 17 and Indian Hills Unit #7  
Section 16 - T-21S, R-24E  
Eddy County, New Mexico

Gentlemen:

This is to inform you that the above request cannot be granted by the State Land Office, due to the fact that you wish to commingle State and Federal production. It is the policy of the Land Office not to do so.

Yours very truly,

ALEX J. ARMIJO  
Commissioner of Public Lands

By: *Ted Bilberry*  
TED BILBERRY, Director  
Oil and Gas Department

AJA:TB:RM:cw

cc: New Mexico Oil Conservation Commission ✓  
New Mexico Oil & Gas Accounting Commission

1. Introduction

The first part of the paper discusses the importance of the research and the objectives of the study. It also provides a brief overview of the methodology used in the study.

The second part of the paper discusses the results of the study and the conclusions drawn from the data.

The third part of the paper discusses the implications of the findings and the limitations of the study. It also provides some suggestions for future research.

2. Methodology

The methodology used in this study is a combination of qualitative and quantitative methods. The qualitative methods include interviews and focus groups, while the quantitative methods include surveys and statistical analysis.

3. Results

The results of the study show that there is a significant relationship between the variables studied. The findings suggest that the independent variable has a positive effect on the dependent variable.

HENRY ENGINEERING  
*Petroleum Engineers*  
807 FIRST NATIONAL BANK BUILDING  
MIDLAND, TEXAS 79701

March 25, 1969

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New Mexico Oil Conservation Commission  
State Land Office Building  
P. O. Box 2308  
Santa Fe, New Mexico 87501

E 7 B-1 97

Attention: Mr. D. S. Nutter  
Chief Engineer

Re: David Fasken  
Indian Hills Unit, Gas, Com. No. 6  
(LC 064243-A) and Indian Hills Unit  
No. 7 (E-7437), Sections 17 and 16,  
T-21-S, R-24-E, Eddy County, New  
Mexico.

Gentlemen:

On behalf of our client, David Fasken, we are submitting for administrative approval a proposed central separation, metering, dehydration and storage facility for the two subject wells in North Indian Hills Morrow Gas Field. We are asking for approval of Rule 309-B, Lease Commingling; Rule 309-C, Off Lease Storage; and such rule that applies to commingling of gas streams.

It is proposed to pipe the wet gas streams (refer to lease and well plat) from "E" (Indian Hills Unit, Gas, Com. No. 6) and "F" (Indian Hills Unit No. 7) to a central point "G" in Section 17, T-21-S, R-24-E. At point "G" the individual wet gas streams will pass through three phase oil and gas separators, then the gas stream for each well will be metered (refer to attached schematic drawing). After metering, these two gas streams will be combined for dehydration. The combined dry gas stream will be transported to the Natural Gas Pipeline Company of America purchase connection at point "D" in Section 5, T-21-S, R-24-E.

The Natural Gas Pipeline Company of America's meter at point "D" will register all gas purchased from five wells: Ross-Federal No. 1, Section 4; Shell-Federal No. 1, Section 5; Skelly-Federal No. 1, Section 9; Indian Hills Unit, Gas, Com. No. 6, Section 17; and Indian Hills Unit No. 7, Section 16. Monthly gas production for each well is to be allocated on the basis of each well's meter reading to the combined sales through Natural Gas Pipeline Company of America's meter.

New Mexico Oil Conservation Commission  
Mr. D. S. Nutter  
March 25, 1969

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The liquid hydrocarbons from the three phase separators at point 'G' will be commingled and collected in a vapor tight storage tank. The monthly condensate will be allocated to each well on the basis of each positive displacement liquid meter reading (Floco Meter) at the separator discharge to the combined condensate volume saved and sold in the vapor tight storage tank. With only one storage tank in place of two, the losses due to vaporization can be minimized. The wet gas streams carry approximately 2.8 barrels of condensate per M.M.C.F. of gas.

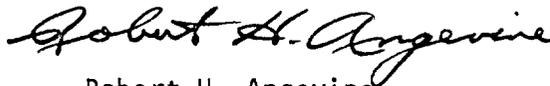
The design of this system is based on the successful operation of a similar system at point "D" put in operation in May, 1968, -- N.M.O.C.C. Case No. 3740 and Order No. R-3395.

The U.S.G.S., all working interests, all royalty interests, and all overriding royalty interests in these two gas units are being notified by certified mail of the proposed surface equipment installation and production allocation procedures.

We would appreciate your favorable consideration of this proposal and your letter of approval addressed to Mr. David Fasken, 608 First National Bank Building, Midland, Texas 79701.

Yours very truly,

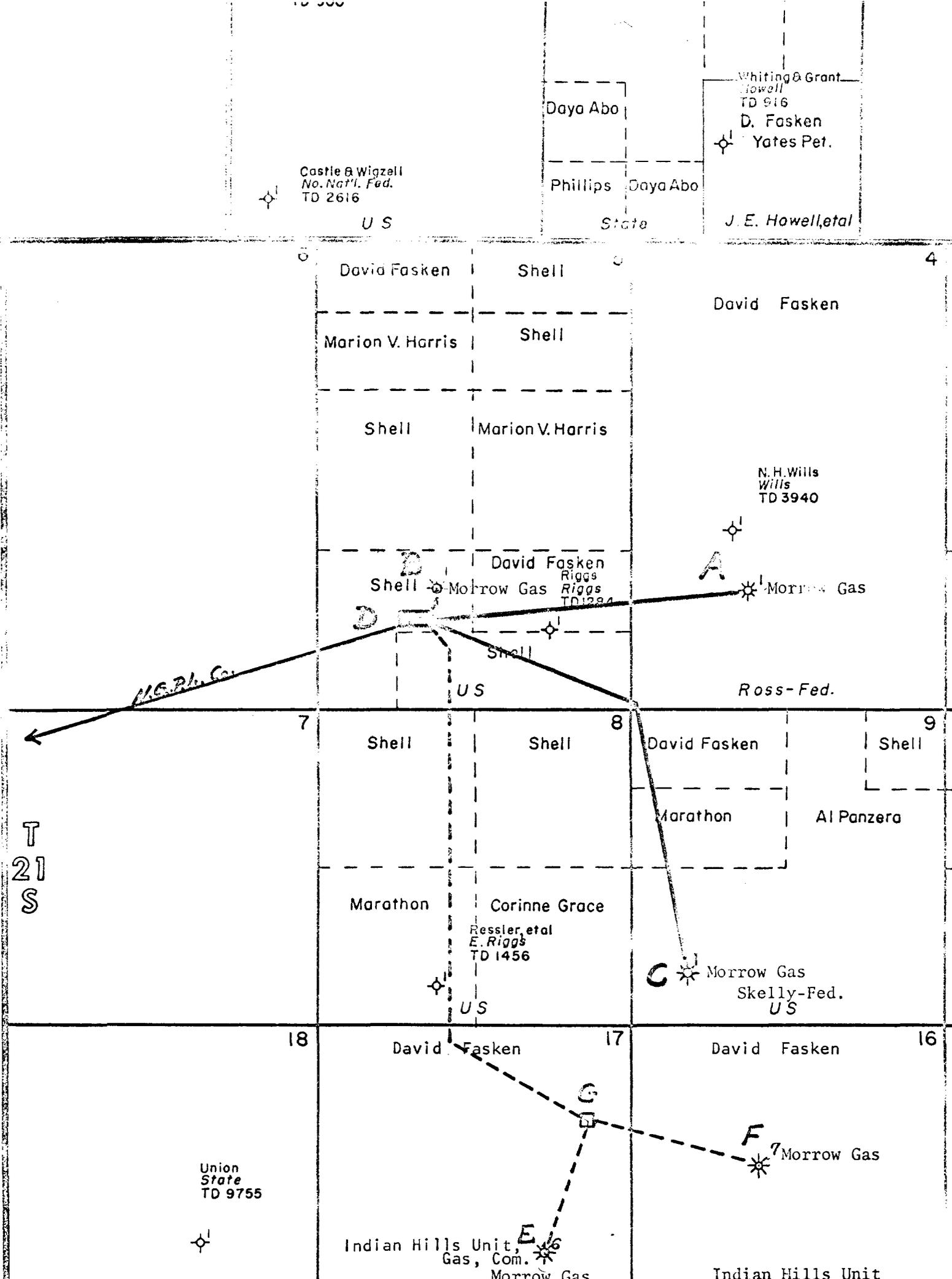
HENRY ENGINEERING



Robert H. Angevine

RHA:eh  
Encls.

cc: Mr. Richard S. Brooks  
Mr. James B. Henry



**HENRY ENGINEERING**  
**NORTH INDIAN HILLS**  
**MORROW GAS FIELD AREA**  
**EDDY COUNTY, NEW MEXICO**  
  
**SCALE 1"=2000'**

INDIAN ENGINEERING

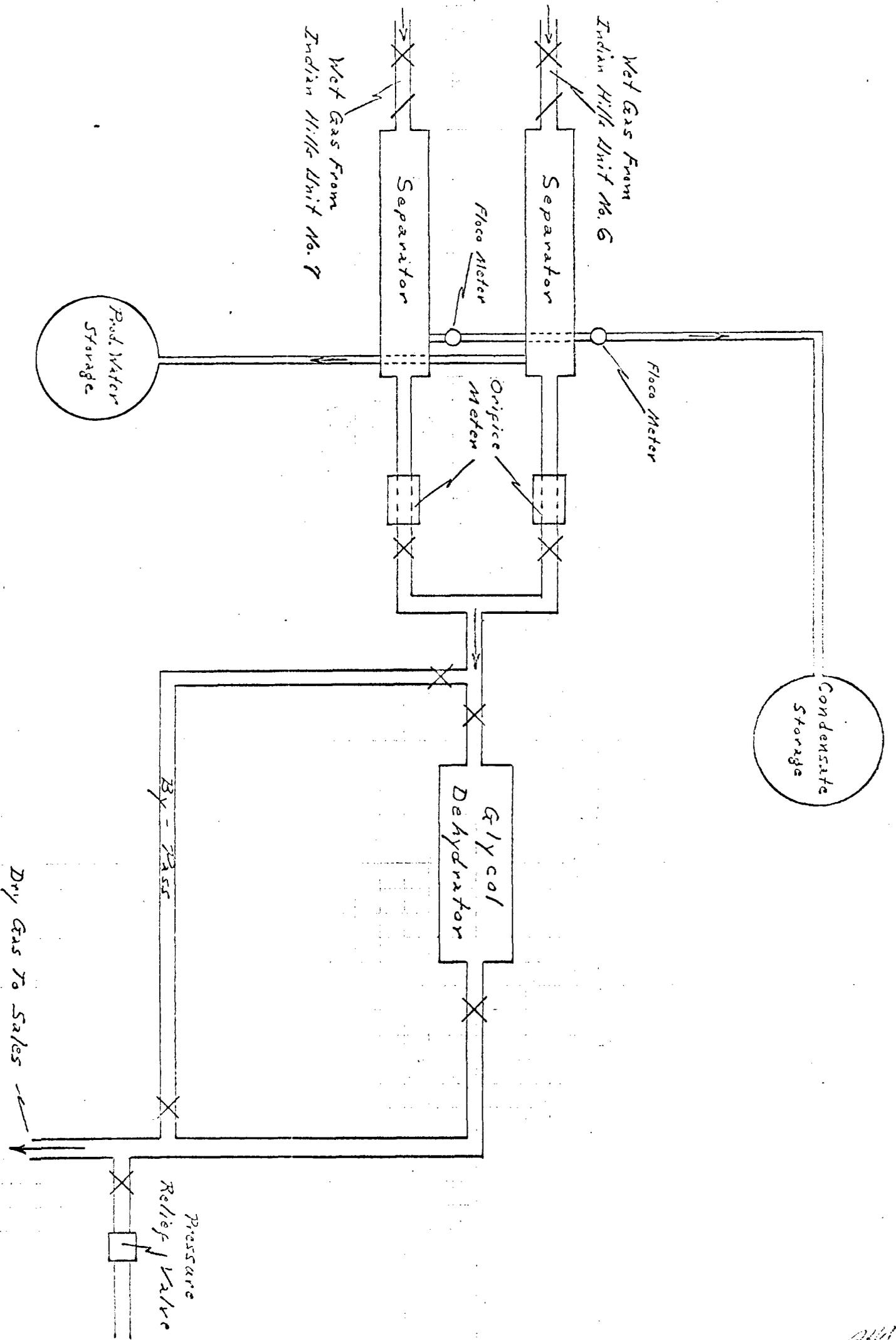
TO: File

RE: Indian Hills Unit Facility

FROM: Robert H. Angevine

DATE: March 25, 1969

ENGINEERING MEMORANDUM



RH  
3-25-69