

GAS CONNECTION VALVE "A"
PRESSURE BLEED VALVE "B"
 65 $\frac{5}{8}$ "
PRESSURE GAUGE (OPTIONAL)
ORIFICE RESTRICTION (APPROX. $\frac{1}{4}$ " DIA.)

OPERATING INSTRUCTIONS

1. LEVEL OF LIQUID TO BE TESTED MUST BE HIGHER THAN ZERO DIGIT OF SCALE ON SHRINKAGE TESTER.
2. CONNECT LIQUID VALVE "C" TO LIQUID SECTION OF VESSEL CONTAINING LIQUID TO BE TESTED.
3. CONNECT GAS EQUALIZING VALVE "A" TO GAS SECTION OF VESSEL CONTAINING LIQUID TO BE TESTED. OPEN VALVES "A" & "D" TO PURGE SYSTEM. CLOSE ALL VALVES "A", "B", "C" & "D".
4. OPEN VALVE "A" TO PRESSURE UP SHRINKAGE TESTER TO SAMPLE PRESSURE.
5. OPEN VALVE "C" SLOWLY TO FILL SHRINKAGE TESTER TO ZERO DIGIT OF SCALE. CLOSE VALVES "C" & "A".
6. RECORD STABILIZED FLUID TEMPERATURE AND PRESSURE OF SAMPLE.
7. OPEN GAS VALVE "B" SLOWLY, ORIFICE RESTRICTION SHOULD PROVIDE APPROX. 30 MINUTES TO BLEED DOWN PRESSURE.
8. READ & RECORD PERCENT SHRINKAGE FROM SCALE ON SHRINKAGE TESTER.
9. REPEAT OPERATION AS REQUIRED TO OBTAIN MEAN PERCENTAGE OF SHRINKAGE.
10. WHEN TESTS ARE COMPLETED, USE AVAILABLE GAS PRESSURE TO BLOW OUT LIQUID BY OPENING VALVE "D", WITH VALVES "B", "C" CLOSED.

THERMOMETER WITH SEPARABLE WELL

LIQUID CONNECTION VALVE "C"

DRAIN VALVE "D"

CARRYING HANDLE

GAUGE GLASS

4000 CC

CALIBRATED SCALE SHOWING PERCENT SHRINKAGE GRADUATED FROM 0 TO 25 PERCENT SHRINKAGE IN 0.25 PERCENT INCREMENTS

3000 CC

LIQUID LEVEL GAUGE VALVE

600# PSI. MAX.

PATENT APPLIED FOR

SHRINKAGE TESTER
TYPE T-6

DATE: 8-6-58
DWN. BY KWS
DWG. N° 150,075

OIL METERING AND PROCESSING
EQUIPMENT CORP.
4843 YALE HOUSTON, TEXAS

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO

May 13, 1965

Marathon Oil Company
P. O. Box 3178
Houston, Texas 77001

Attention: Mr. John M. Bevan, Jr.

Administrative Order FLC-20

Gentlemen:

Reference is made to our recent correspondence and conversation concerning the plan of Marathon Oil Company to install and operate gas and liquid gathering facilities in the Indian Basin Field.

Your plan of operation, as submitted with your letter of April 15, 1965, together with the Agreement for Construction and Operation of the Indian Basin Gas Plant and the Gas Processing Agreement, and as amended by the revised lease facilities for dually completed wells submitted with your letter of May 14, 1965, is hereby approved as a practicable and equitable method for determining production from each pool and from each lease prior to commingling in the common gathering systems.

This approval is given subject to like approval being obtained for this proposed plan of operation from the Regional Supervisor of the United States Geological Survey and from the Commissioner of Public Lands for the State of New Mexico.

Very truly yours,

A. L. Porter, Jr.
Secretary-Director

ALP:BSM:eg

cc: Oil Conservation Commission (with enclosure) - Artesia
Commissioner of Public Lands (with enclosure) - Santa Fe
United States Geological Survey (with enclosure) - Roswell

ILLEGIBLE

COMMON GAS GATHERING SYSTEM



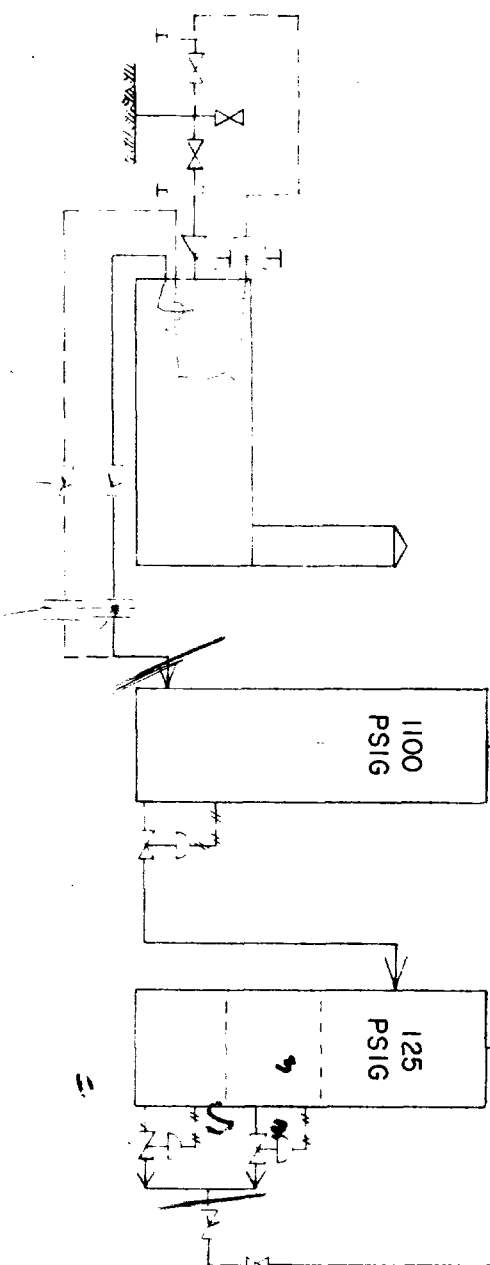
HEATER
FUEL

COMMON LIQUID GATHERING SYSTEM



1100
PSIG

125
PSIG



GAS WELL

INDIRECT
FIRED HEATER

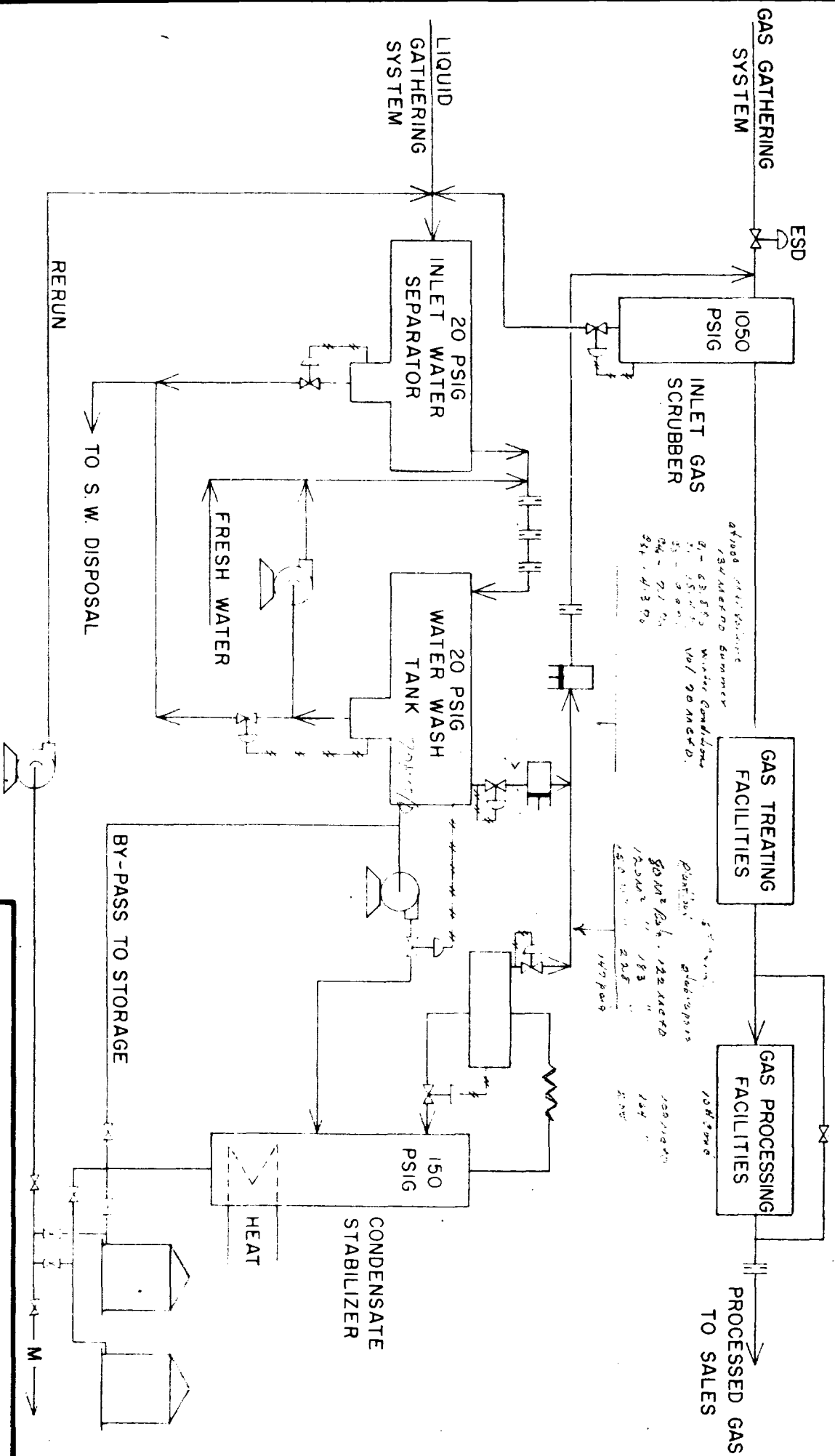
2-PHASE
SEPARATOR-
DEHYDRATOR

3-PHASE DUMP
TYPE ME/TERING
SEPARATOR

NOTE:

----- ADDITION FOR DUAL WELL

MARATHON OIL COMPANY
PROPOSED LEASE FACILITIES
INDIAN BASIN AREA, EDDY CO., N.M.



MARATHON OIL COMPANY
PLANT FACILITIES
INDIAN BASIN AREA, EDDY CO., N.M.