

HEAVY STILL PUMP OUT AND RECIRCULATION LINE

Still Pump Out -

A LINE HAS BEEN INSTALLED ON THE WEST BTM SUCTION LINE ON THE REBOILER. THIS LINE RUNS TO THE REFLUX PUMPS AND FROM THERE TO THE BTM AND HVS FD TANKS. USE THIS LINE TO PUMP OUT THE STILL WHEN SHUT DOWN. DOUBLE BLOCKS AND BLEEDS ARE ON EACH TIE-IN. THESE ARE TO BE OPENED AFTER THE LINE HAS BEEN CLEARED. LEAVE THE BLEEDS OPEN WHENEVER THE STILL IS IN OPERATION. AFTER USING THE LINE, PAD IT OUT WITH NITROGEN.

CONFIDENTIAL;
Subject to Protective Order
of 14th Judicial District Court
No. 91-1145

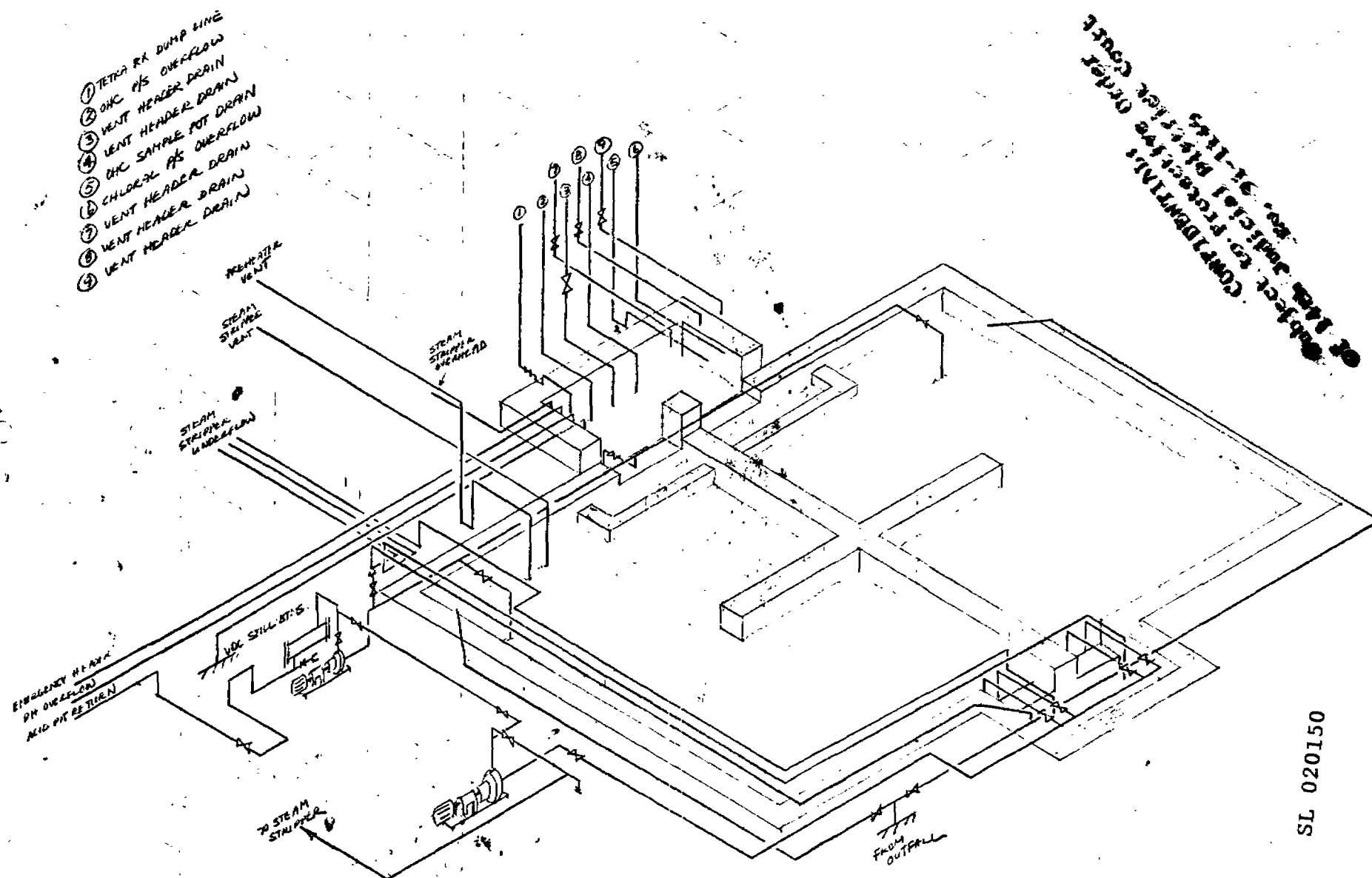
STILL RECIRCULATION LINES-

THESE LINES ARE TO BE USED PREVIOUS TO START-UP TO CLEAR THE COLUMN OF MOISTURE, IRON, AND SCALE. A LARGE FLUSH WILL CIRCULATE THRU THE COLUMN TO CLEAR IT. FEED IS PUT ON STILL; AS LEVEL RISES USE

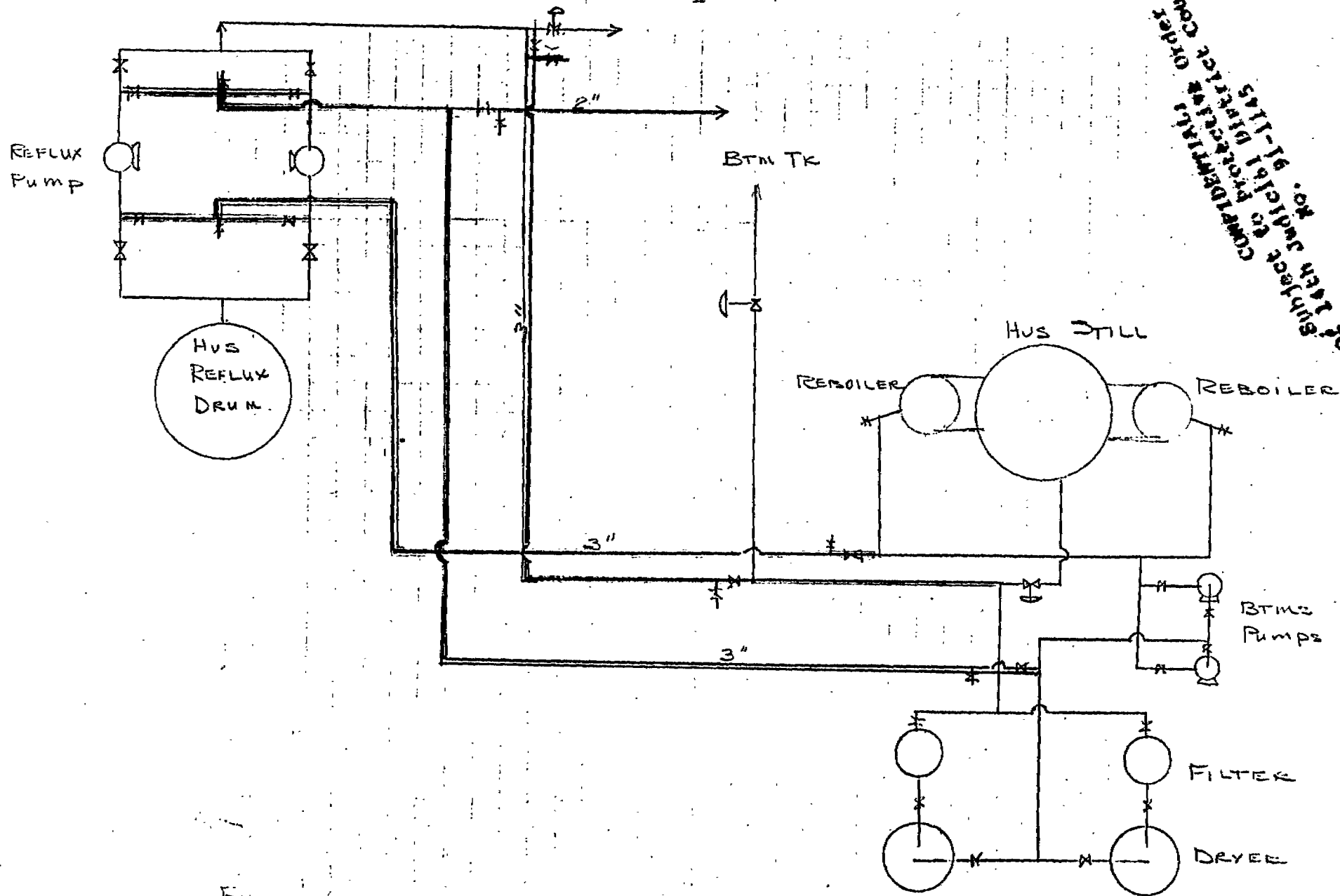
THE LINE FROM THE WEST REBOILER
TO THE SUCTION OF THE REFLUX
PUMP. THE DISCHARGE OF THE REFLUX
PUMP WILL GO TO THE BTM. FILTERS
AND DRYERS. THE DISCHARGE OF
THE FILTERS WILL GO TO THE REFLUX
LINE AND FROM THERE TO THE TOP
OF THE COLUMN. CIRCULATE MATERIAL
THRU THE COLUMN MAINTAINING A SMALL
LEVEL IN THE BTM OF THE COLUMN.
RUN SAMPLES TO DETERMINE IRONS AND
MOISTURES.

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P/T HEAVIES PUMP OUT LINES



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— STILL REFLUX LINE

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STANDARD OPERATING PROCEDURES FOR SAMPLES

A review of samples, work load, etc., indicates the following procedures should be tried and will be assigned until conditions change.

1. Auxiliary will catch and run the first set of samples. He is to report any out-of-spec samples immediately to the Lead Operator.
2. All Operators are responsible to check results to determine status of operations and potential changes to be made.
3. The Auxiliary will catch the second set of samples. The Reactor Operator and Still Operator are to run the samples and record results.
4. Whenever changes in operations have been made, each Operator will catch and run appropriate sample to determine results of change.
5. Operators should catch and run extra samples whenever necessary to determine status of operations.
6. Lead Operator has at his discretion the authority to modify the above and request whoever has the time to run samples. If Reactor Operator and/or Still Operator is busy, the Auxiliary can run second set or special samples; otherwise each operator is to run his samples.

Hopefully, this procedure will accomplish the desired goals. If not, they can be modified. With the Auxiliary catching and running the first set, the Operators can get their first set of rounds made and determine what needs to be done. As changes are made, the Operator can catch his sample and get own result without waiting on Auxiliary. Operator can apply his choice of which sample needs to be run first. Finally, this should allow Auxiliary to get to other jobs which are needed.

Walter L. Oglesby

cc: R. P. Lynch
Shift Engineers

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