DRESSER INDUSTRIES, INC.
DRESSER CLARK DIVISION

SHEET No. 1

CENTRIFUGAL COMPRESSOR
JOB FILE

The compressor unit will be built in accordance with standard Dresser Clark Division Specifications unless approved changes are detailed on Sheet No. 10, Para. XII of this form.

Contract No. 20643 Forecast No. _____ Date Released 4-5-74

Project Engr. R. A. Nellson CT. Engr. L. E. Glassburn Rev. No. 0 Date 5-3-74

I. GENERAL:

Purchaser M. W. Kellogg P.O. No. 5026-US-J21-103

Ultimate User Pemex Job No. 5026

Installation Location Salamanca, Mexico

Olean S. F. No. 4-5301-00820 Marketing Group Process

District Office No. Houston Salesmen S. Scott

II. CLARK EQUIPMENT:

Quantity & Model of Compressors	Serial No.	Initial Customer Delivery Promise
One 1M7	1-7-3067	5-30-75

Spare Parts

Spare Rotor - YES

Check Valve

III. DRIVER(S):

Type Steam Turbine Model RG4 Manufacturer Murray

Furnished By Clark/MWK

Type _____ Model _____ Manufacturer _____

Furnished By _____

IV. OTHER MAJOR EQUIPMENT:

Vendor	Equipment
Dresser-Clark	L.O. & S.O. Console

Send 4 unpriced copies of all purchase orders to customer

F 418-188-00

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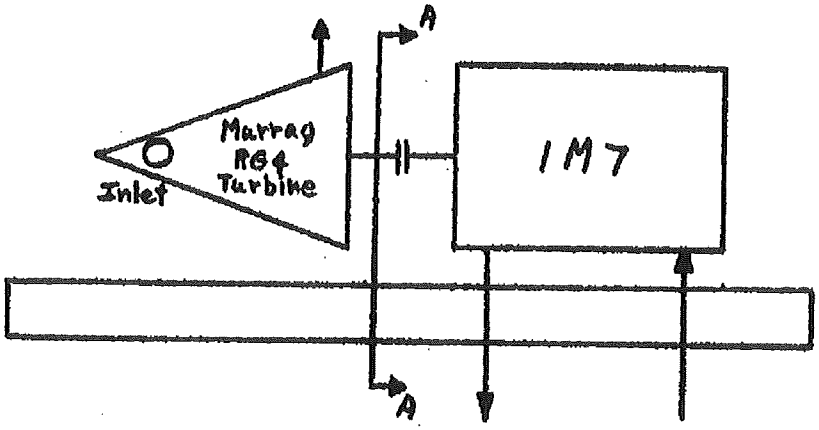
V. COMPRESSOR - DRIVER UNIT ARRANGEMENT:

Show arrangement and direction of piping.
Check carefully location of suction and discharge flange relative to driver. Identify rotation.



View A-A
Rotation

Shelter:

Enclosed Building	( )
Overhead Protection	(X)
No Protection	( )

Type of Building Layout:

Mezzanine	(X)
Ground Level	( )
Minimum Ambient	34°F

VI. COMPRESSOR SELECTION & MECHANICAL CONSIDERATION:

1. Case size of each compressor in unit: 1M7 _____ _____ _____

   Customer's Item Number 102-J _____ _____ _____

2. Connections:

Up	( )	( )	( )	( )
Down	(X)	( )	( )	( )
Other (define)				

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NORMAL

VII. ~~GUARANTEE~~ OPERATING CONDITION AT EACH CASE AND/OR SECTION:
(if more space is required for alternate conditions, use Sheet 5A)

CASE OR SECTION	1M7			
	1			
1. Inlet Pressure, PSIA	257.7			
2. Inlet Temperature, °F	70			
3. Barometric Pressure, PSIA	11.9			
4. Relative Humidity, %				
5. Capacity in units given by Customer lbs/hr.	40154			
6. Capacity at inlet conditions, CFM	845			
7. Weight Flow, lb./min.	669			
8. Type of Gas Handled	HC Mix			
9. Molecular Weight	16.84			
10. Isentropic Exponent	1.27			
11. Avg. Compressibility Factor	.972			
12. Disch. press. at comp. flange, PSIA	634			
13. Discharge Temp., °F	244			
14. Pressure Drop between sections, PSI				
15. Cooling Water Temp. °F				
16. Temp. After Intercooling °F				
17. Water Side Fouling Factor				
18. RPM	10791			
19. BHP	1527			
20. Settling out press. (when applicable)				
21. Compressor BHP (Calc'd)	1540			

22. Total Compressor(s) guarantee, BHP ± ____ % 1540 @ 10791

23. Max. Driver(s) capability input to compressor train - BHP

RPM

24. Calculated driver(s) critical speed, including necessary coupling half, RPM

F 412-129-00

GAS ANALYSIS DATA

Normal Flow

Material	MPH	Lbs/Hr.
N_2	1.7	47
CO_2	2.4	105
CH_4	2267.1	36364
C_2H_6	92.9	2793
C_3H_8	19.1	845
Total	2383.2	40,154