

APPENDIX 7

Selected Compressor Station Data contained in the 1999 FERC Report.

UNITED STATES OF AMERICA
BEFORE THE
FEDERAL ENERGY REGULATORY COMMISSION



FLOW DIAGRAMS FOR
CALENDAR YEAR 1999

FORMAT NO. FERC 567

WITH METER NUMBERS

EI PASO NATURAL GAS COMPANY

**FORMAT NO. FERC 567 FLOW DIAGRAMS
FOR THE YEAR 1999**

**COMPRESSOR STATION DATA
(VOLUMES AT 14.73 PSIA & 60°F)**

I. CALIFORNIA MAINLINE & EL PASO SYSTEM MAINLINE

A. PUCKETT STATION

INSTALLED HORSEPOWER	2,700	
RECIPROCATING UNIT	1	
DESIGN SUCTION PRESSURE	824	psig
DESIGN DISCHARGE PRESSURE	1,052	psig
STATION DISCHARGE MAOP	1,123	psig
MAXIMUM CAPACITY	190.0	MMCF/D
FUEL REQUIRED	0.45	MMCF/D

B. MONUMENT STATION

	<u>"A" STATION</u>		<u>"B" STATION</u>	
INSTALLED HORSEPOWER	6,500		2,500	2,500
RECIPROCATING UNITS	5		1	1
DESIGN SUCTION PRESSURE	205	psig	205	13
DESIGN DISCHARGE PRESSURE	480	psig	480	233
STATION DISCHARGE MAOP	564	psig	564	274
MAXIMUM CAPACITY	85.0	MMCF/D	38.0	12.0
FUEL REQUIRED	0.96	MMCF/D	0.38	0.38

C. EUNICE MAINLINE STATION

		<u>EUNICE "B"</u>	
INSTALLED HORSEPOWER	12,100	6,600	
RECIPROCATING UNITS	12		
GAS TURBINE CENTRIFUGAL UNIT		1	
DESIGN SUCTION PRESSURE	500	484	psig
DESIGN DISCHARGE PRESSURE	816	634	psig
STATION DISCHARGE MAOP	850	778	psig
MAXIMUM CAPACITY	344.1	305.0	MMCF/D
FUEL REQUIRED	2.65	1.21	MMCF/D

D. KEYSTONE "A" MAINLINE STATION TO PECOS RIVER

INSTALLED HORSEPOWER	18,000	
RECIPROCATING UNITS	12	
DESIGN SUCTION PRESSURE	502	psig
DESIGN DISCHARGE PRESSURE	788	psig
STATION DISCHARGE MAOP	840	psig
MAXIMUM CAPACITY	695.0	MMCF/D
FUEL REQUIRED	3.36	MMCF/D

KEYSTONE "B" TO WAHA

INSTALLED HORSEPOWER	6,480
RECIPROCATING UNITS	3
DESIGN SUCTION PRESSURE	788
DESIGN DISCHARGE PRESSURE	950
STATION DISCHARGE MAOP	960
MAXIMUM CAPACITY	240.0
FUEL REQUIRED	1.15

E. WAHA STATION

		26,250		4,640	
INSTALLED HORSEPOWER					
GAS TURBINE CENTRIFUGAL UNITS		1		4	
CENTRIFUGAL COMPRESSOR	1	1		SERIES (4)	PARALLEL (3)
DESIGN SUCTION PRESSURE	234	psig	745	745	945
DESIGN DISCHARGE PRESSURE	675	psig	1055	1055	1055
STATION DISCHARGE MAOP	1050	psig	1050	1050	1050
MAXIMUM CAPACITY	150.0	MMCF/D	500.0	183.0	380.0
FUEL REQUIRED	3.69	MMCF/D	2.62	1.20	0.90

EI PASO NATURAL GAS COMPANY

**FORMAT NO. FERC 567 FLOW DIAGRAMS
FOR THE YEAR 1999**

**COMPRESSOR STATION DATA
(VOLUMES AT 14.73 PSIA & 60°F)**

I. CALIFORNIA MAINLINE & EL PASO SYSTEM MAINLINE (CONTINUED)

F. PECOS RIVER STATION

INSTALLED HORSEPOWER	21,450	
GAS TURBINE CENTRIFUGAL UNITS	3	
DESIGN SUCTION PRESSURE	618	psig
DESIGN DISCHARGE PRESSURE	814	psig
STATION DISCHARGE MAOP	825	psig
MAXIMUM CAPACITY	1,211.1	MMCF/D
FUEL REQUIRED	4.67	MMCF/D

G. GRESHAM STATION

INSTALLED HORSEPOWER	9,800	
GAS TURBINE CENTRIFUGAL UNIT	1	
DESIGN SUCTION PRESSURE	875	psig
DESIGN DISCHARGE PRESSURE	1,055	psig
STATION DISCHARGE MAOP	1,050	psig
MAXIMUM CAPACITY	792.3	MMCF/D
FUEL REQUIRED	2.26	MMCF/D

H. GUADALUPE STATION

INSTALLED HORSEPOWER	31,050	
GAS TURBINE CENTRIFUGAL UNIT	1	
DESIGN SUCTION PRESSURE	625	psig
DESIGN DISCHARGE PRESSURE	842	psig
STATION DISCHARGE MAOP	837	psig
MAXIMUM CAPACITY	1,224.3	MMCF/D
FUEL REQUIRED	3.97	MMCF/D

I. CORNUDAS STATION

	<u>30" & 26"</u>	<u>30" HIGH PRESSURE</u>
INSTALLED HORSEPOWER	21,450	10,260
GAS TURBINE CENTRIFUGAL UNITS	3	1
DESIGN SUCTION PRESSURE	610	855
DESIGN DISCHARGE PRESSURE	797	1,081
STATION DISCHARGE MAOP	837	1,080
MAXIMUM CAPACITY	1,135.4	669.9
FUEL REQUIRED	4.41	2.39

J. HUECO STATION

INSTALLED HORSEPOWER	21,450	
GAS TURBINE CENTRIFUGAL UNITS	3	
DESIGN SUCTION PRESSURE	638	psig
DESIGN DISCHARGE PRESSURE	814	psig
STATION DISCHARGE MAOP	809	psig
MAXIMUM CAPACITY	1,251.0	MMCF/D
FUEL REQUIRED	4.40	MMCF/D

K. EL PASO STATION

	<u>30" & 26"</u>	<u>30" HIGH PRESSURE</u>
INSTALLED HORSEPOWER	27,500	10,260
RECIPROCATING UNITS	25	0
GAS TURBINE CENTRIFUGAL UNITS	0	1
DESIGN SUCTION PRESSURE	566	819
DESIGN DISCHARGE PRESSURE	805	1,055
STATION DISCHARGE MAOP	837	1,080
MAXIMUM CAPACITY	1,236.0	622.7
FUEL REQUIRED	7.14	2.41