

UNITED STATES OF AMERICA

Before the

FEDERAL POWER COMMISSION

El Paso Natural Gas Company)

Docket No. CP67-____

Application for a Certificate
of Public Convenience and Necessity

Comes now EL PASO NATURAL GAS COMPANY, hereinafter referred to as "Applicant," pursuant to § 7(c) of the Natural Gas Act and § 157.5, et seq., of the Commission's Regulations Under the Natural Gas Act, and files this application for a certificate of public convenience and necessity to construct and operate certain facilities and to sell and deliver additional quantities of natural gas, all as hereinafter more fully set forth.

In support hereof, Applicant respectfully represents:

I.

The exact legal name of Applicant is El Paso Natural Gas Company. It is a corporation duly organized and existing under the laws of the State of Delaware, having its principal place of business located in El Paso, Texas. Applicant is authorized to conduct business as a foreign corporation in the States of Alaska, Arizona, Arkansas, Colorado, Idaho, Kansas, Louisiana, Montana, Nevada, New Mexico, New York, Oklahoma, Oregon, Texas, Utah, Washington and Wyoming.

The names, titles and mailing addresses of those persons to whom correspondence and communications concerning this application are to be addressed are as follows:

BEFORE THE	
FEDERAL POWER COMMISSION	
Santa Fe, New Mexico	
Applicant	Exhibit No. 1
Case No.	3834

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II.

Applicant is a natural-gas company engaged in the business of producing, purchasing, transporting and selling natural gas to distribution companies and other pipeline companies for resale and to industries and others for direct consumption. The pipeline system of Applicant extends from the Permian Basin of west Texas and southeast New Mexico, the Texas-Oklahoma Panhandle area, the San Juan Basin of northwest New Mexico and southwest Colorado and the Four Corners area of the States of Arizona, New Mexico, Utah and Colorado, through one or more of the States of Texas, New Mexico and Arizona, to points of termination at the boundary between the States of California and Arizona near Blythe, California, and Topock,

Arizona, and to a point of termination at the boundary between the States of Arizona and Nevada near Big Bend, Arizona; the pipeline system of Applicant also extends from the San Juan Basin area, through the States of Colorado, Utah, Wyoming, Idaho, Oregon and Washington, to a point of termination at the International Boundary near Sumas, Washington.

III.

Applicant hereby seeks a certificate of public convenience and necessity under § 7(c) of the Act authorizing the construction and operation of certain additional Southern Division Mainline System facilities, so as to increase the maximum daily design capacity of such system by 310,282,000 cubic feet,^{1/} and the sale and delivery of an additional firm daily quantity of 103,212,000 cubic feet of natural gas to Pacific Gas and Electric Company ("PG&E") and an additional firm daily quantity of 154,130,000 cubic feet of natural gas to Southern California Gas Company and Southern Counties Gas Company of California (jointly "Southern").

As presently constituted, Applicant's Southern Division Mainline System possesses a daily design capacity of 3,229,718,000 cubic feet. Of such capacity, 2,432,658,000 cubic feet is utilized to meet contractual delivery obligations to PG&E and Southern and the remaining capacity of 797,060,000 cubic feet is utilized to meet contractual delivery obligations to customers situated east of California in the States of Texas, New Mexico, Arizona and southern Nevada.

Natural gas requirements of Applicant's customers served by the Southern Division Mainline System have consistently increased over past

^{1/} All quantities of natural gas and rates set forth herein are stated at a pressure base of 14.73 psia and a temperature base of 60° F. unless otherwise indicated.

years; as demonstrated herein, they will continue to do so in the future. PG&E and Southern now require additional firm supplies of natural gas to meet their respective increasing requirements. To this end, each has requested an increase in its firm maximum contracted daily demand from El Paso. Additionally, recent market forecasts of Applicant and its east-of-California customers indicate mainline peak day requirements for markets situated east of California for the 1967-68 and subsequent heating seasons which are substantially in excess of existing daily design capacity.

To implement the requests of PG&E and Southern for additional firm supplies, Applicant has entered upon precedent commitments with each of such customers providing, inter alia, for increases in their respective firm contract demands. By Letter Agreement dated July 28, 1966, as amended by Letter Agreement dated December 5, 1966, Applicant has agreed to sell and deliver and PG&E has agreed to purchase and receive an additional maximum contracted daily demand quantity of 103,212,000 cubic feet commencing on November 1, 1967. This quantity, when taken with PG&E's present maximum contracted daily demand of 1,036,788,000 cubic feet, will provide PG&E with daily quantities aggregating 1,140,000,000 cubic feet. By Letter Agreement dated January 9, 1967, as supplemented by Southern's letter of January 19, 1967, Applicant has agreed to sell and deliver and Southern has agreed to purchase and receive an additional maximum contracted daily demand quantity of 154,130,000 cubic feet commencing on November 1, 1967. This quantity, when taken with Southern's present maximum contracted daily demand of 1,395,870,000 cubic feet, will provide Southern with daily quantities aggregating 1,550,000,000 cubic feet.

The point of delivery to PG&E for the additional quantities will be at the existing delivery point near Topock, Arizona, and the point of

delivery to Southern for the additional quantities will be at the existing delivery point near Blythe, California. Deliveries of the additional quantities to PG&E at Topock will be made at the existing contract pressure for such point of 600 psig; deliveries of existing as well as the additional quantities to Southern at Blythe will, as a result of the project proposed herein, be made at a pressure of 600 psig, an increase from the existing contract pressure for such point of 500 psig. The rate applicable to all such deliveries will continue to be that in effect from time to time under Applicant's Rate Schedule G, FPC Gas Tariff, Original Volume No. 1. Copies of the precedent commitments with PG&E and Southern are submitted herewith as a part of Exhibit 1; their provisions will be incorporated into service agreements between Applicant and each of such parties and appropriately filed with the Commission prior to initiation of deliveries under the authorizations sought herein.

Of the total additional daily capacity of 310,282,000 cubic feet proposed herein, 257,342,000 cubic feet of such capacity is required to satisfy the additional firm contract demands requested by PG&E and Southern. The remaining additional capacity of 52,940,000 cubic feet is required to meet the increasing requirements of Applicant's east-of-California customers. This remaining additional capacity, when taken with the present east-of-California daily design capacity of 797,060,000 cubic feet, will provide a total daily design capacity of 850,000,000 cubic feet to satisfy requirements of east-of-California markets. These requirements are presently estimated to aggregate, on a peak day, 1,033,544,000 cubic feet during the 1967-68 heating season and 1,065,116,000 cubic feet during the 1968-69 heating season. With the proposed east-of-California capacity, Applicant will be enabled to satisfy increasing loads served by its

distributor customers and to approximate the level of service historically maintained for its direct industrial customers.

Applicant proposes to utilize its general system sources of supply for the additional sales and deliveries proposed herein as augmented by new or additional reserves committed to Applicant in the Delaware and Val Verde Basins of Texas. These new or additional sources consist of Ellenberger reserves in the Gomez, West Waha, Lockridge, Hamon, Toro and J. M. Fields.

Among Applicant's proposed facilities are a 36" O.D. pipeline extending directly from Applicant's existing Waha Treating Plant a distance of approximately 143.5 miles to its existing Cornudas Compressor Station, and 3,204 compressor horsepower at Puckett Plant. While concluding that such a 36" O.D. pipeline should be built, Applicant did give consideration to a possible alternative to such facility; namely, a 30" O.D. pipeline, following the identical route of the proposed 36" O.D. pipeline, some 36.5 miles of 24" O.D. pipeline looping the existing 24" O.D. Waha to Keystone purchase lateral and 2,136, rather than 3,204, compressor horsepower at Puckett Plant. A map showing the location of such possible alternative facilities is submitted herewith as Exhibit Z-1; a flow diagram showing the operation thereof is submitted herewith as Exhibit Z-2; a specific description thereof is submitted herewith as Exhibit Z-3 and details of the cost therefor, as compared to the cost of the proposed 36" O.D. pipeline and 3,204 Puckett compressor horsepower, are submitted herewith as Exhibit Z-4. Additionally, there are submitted herewith as Exhibit Z-5 comparative cost of service data for the proposed 36" O.D. pipeline facilities and the possible alternative facilities.

Prompted by both the magnitude of the reserves now committed to Applicant in the Delaware and Val Verde Basins and the tremendous future potential of these areas, Applicant will rely to an increasing extent on

these areas to meet its future market requirements; likewise, reliance will be made upon these areas to offset any production decline in Permian Basin reserves and to provide peaking capability to accommodate month-end deficiencies in residue sources and extreme peak winter demands. As shown by Exhibit Z-5 appended hereto, the economic crossover between the proposed 36" O.D. pipeline and the possible alternative facilities is attained at a level of deliveries of approximately 370,000,000 cubic feet per day. It is thus apparent that the installation of the proposed 36" O.D. pipeline will, in the future, permit the required utilization of increased supply from the Delaware and Val Verde Basins at a minimum of additional cost.

For the above reasons, Applicant submits that certification of the proposed 36" O.D. pipeline facilities is in the public interest. If, however, the Commission should conclude to the contrary, Applicant would accept a certificate for the possible alternative facilities shown herein in lieu of the proposed 36" O.D. pipeline and related Puckett horsepower.

The remaining facilities proposed herein consist of gathering, purification and dehydration, transmission and appurtenant field facilities and pipeline, loop pipeline, compressor and appurtenant mainline facilities. Among such mainline facilities is a 30" O.D. pipeline extending directly from Lordsburg Compressor Station a distance of approximately 217.0 miles to Cast Grande Compressor Station which, through use of such direct route, will avoid populated areas situated along the existing route of the California Mainline System and will be some 20.5 miles shorter than the existing California Mainline System route.

As a part of the facility proposal set forth herein, Applicant also proposes to retest and qualify approximately 103.2 miles of its existing Jal to El Paso "B" mainline for operation at higher working pressure. Such qualification for higher operating pressure will be attained by

inspecting, hydrostatically testing and replacing pipe and pipeline appendages where necessary, all pursuant to ASA B31.8-1963 Code.

Construction and operation of the proposed facilities and the sale and delivery of additional quantities of natural gas by use thereof will provide Applicant's existing customers with gas supplies necessary to meet the increasing requirements of their respective market areas. Applicant therefore represents that grant of the requested authorizations is required by and will clearly serve the public convenience and necessity.

17.

The facilities for which Applicant hereby seeks authorization to construct (or install) and operate are specifically described as follows:

A. COMPRESSOR STATIONS

1. FIELD COMPRESSOR STATIONS

Puckett Compressor Station

A new 3,204 horsepower compressor station consisting of three (3) 1,068 horsepower packaged gas turbine-driven centrifugal compressor units, and necessary appurtenances. This station will be known as Puckett Compressor Station and will be located at Applicant's existing Puckett Plant site in the NE/4 of Section 13, Block 126, T. & ST.J. RR Survey, Pecos County, Texas.

2. MAINLINE COMPRESSOR STATIONS

a. Keystone Mainline Compressor Station Modifications

Cylinder and piping modifications on one (1) 2,000 horsepower gas engine-driven reciprocating compressor unit at Keystone Mainline Compressor Station located in Section 15, PSL Block 77, Winkler County, Texas. These modifications will not increase the horsepower rating of the unit but are required to provide capability for compressing gas at Keystone Mainline into the 20" O.D. Keystone Mainline to Waha Purification and Dehydration Plant pipeline.

b. Pecos River Compressor Station Modifications

Piping modifications and a new compressor impeller on one (1) 5,700 horsepower gas turbine-driven compressor unit at

Pecos River Compressor Station located in the NE/4 of Section 7, Township 26 South, Range 29 East, Eddy County, New Mexico. These modifications will not increase the horsepower rating of the unit but are required to compress the reduced throughput proposed at this location.

c. Cornudas Compressor Station Addition and Modifications

One (1) 9,300 horsepower gas turbine-driven centrifugal compressor unit, and necessary appurtenances, and uprate by 500 horsepower each, through increased firing temperature, the three (3) existing 5,700 horsepower gas turbine-driven centrifugal compressor units at Cornudas Compressor Station located in the SW/4 of Section 17, University Lands, Block J, Hudspeth County, Texas. The horsepower addition and uprating of existing units, together with the presently installed horsepower, will make a total of 27,900 horsepower at this station. The uprating of the existing units through increased firing temperature is made possible as a result of prior installation of uprating kits authorized at Docket No. CP62-294.

d. Hueco Compressor Station Modifications

Piping modifications, new compressor impellers and uprate by 500 horsepower each, through increased firing temperature, the three (3) existing 5,700 horsepower gas turbine-driven centrifugal compressor units at Hueco Compressor Station located in the SW/4 of Section 10, PSL Block 10, Hudspeth County, Texas. The uprating of existing units, together with the presently installed horsepower, will make a total of 18,600 horsepower at this station. The uprating of the existing units through increased firing temperature is made possible as a result of prior installation of uprating kits authorized at Docket No. CP62-294.

e. Afton Compressor Station Modifications

Piping modifications, new compressor impellers and uprate by 500 horsepower each, through increased firing temperature, the three (3) existing 5,700 horsepower gas turbine-driven centrifugal compressor units at Afton Compressor Station located in the SW/4 of Section 21, and the SE/4 of Section 20, Township 25 South, Range 1 East, Dona Ana County, New Mexico. The uprating of existing units, together with the presently installed horsepower, will make a total of 18,600 horsepower at this station. The uprating of the existing units through increased firing temperature is made possible as a result of prior installation of uprating kits authorized at Docket No. CP62-294.

f. Florida Compressor Station Modifications

Piping modifications and uprate by 500 horsepower each, through increased firing temperature, the three (3) existing 5,700 horsepower gas turbine-driven centrifugal compressor units at Florida Compressor Station located in the SE/4

of Section 14, Township 24 South, Range 6 West, Luna County, New Mexico. The uprating of existing units, together with the presently installed horsepower, will make a total of 18,600 horsepower at this station. The uprating of the existing units through increased firing temperature is made possible as a result of prior installation of uprating kits authorized at Docket No. CP62-294.

g. Lordsburg Compressor Station Addition and Modifications

One (1) 9,300 horsepower gas turbine-driven centrifugal compressor unit, and necessary appurtenances, and uprate by 500 horsepower each, through increased firing temperature, the two (2) existing 5,700 horsepower gas turbine-driven centrifugal compressor units at Lordsburg Compressor Station located in the S/2 of Section 8, Township 23 South, Range 17 West, Hidalgo County, New Mexico. The horsepower addition and uprating of existing units, together with the presently installed horsepower, will make a total of 21,700 horsepower at this station. The uprating of the existing units through increased firing temperature will be made possible as a result of the proposed installation of uprating kits authorized at Docket No. CP62-294.

h. San Simon Compressor Station Modifications

A new compressor impeller on one (1) 5,700 horsepower gas turbine-driven compressor unit at San Simon Compressor Station located in the W/2 of Section 16, Township 14 South, Range 32 East, Cochise County, Arizona. The impeller installation will not increase the horsepower rating of the unit but is required to compress the reduced throughput proposed at this location.

i. Casa Grande Compressor Station Addition and Modifications

Piping modifications and uprate by 500 horsepower each, through increased firing temperature, the three (3) existing 5,700 horsepower gas turbine-driven centrifugal compressor units at Casa Grande Compressor Station located in the SW/4 of Section 5, Township 6 South, Range 3 East, Pinal County, Arizona. The uprating of existing units, together with the presently installed horsepower, will make a total of 18,600 horsepower at this station. The uprating of the existing units through increased firing temperature will be made possible as a result of the proposed installation of uprating kits authorized at Docket No. CP62-294.

j. Wenden Compressor Station

A new compressor station consisting of one (1) 9,300 horsepower gas turbine-driven centrifugal compressor unit, and necessary appurtenances. This station will be known as Wenden Compressor Station and will be located on the 26" and 30" O.D. Southern Mainlines at Milepost 670.5, Section 2, Township 2 North, Range 12 West, Yuma County, Arizona.

B. PIPELINES

1. FIELD PIPELINES

a. Approximately 55.6 miles of 24" O.D., 0.312" w.t. pipeline, and necessary appurtenances, commencing at the discharge of the proposed Puckett Compressor Station, described in paragraph A.1. above, and terminating at the discharge side of the Waha Purification and Dehydration Plant in the SE/4 of Section 9, PSL Block C-3, Reeves County, Texas.

b. Approximately 14.1 miles of 20" O.D., 0.312" w.t. pipeline, and necessary appurtenances, commencing at a point in the Hamon and Toro Fields in Section 11, Block 50, T. & P. RR. Co. Survey, Reeves County, Texas, and terminating at the inlet side of the Waha Purification and Dehydration Plant in the SE/4 of Section 9, PSL Block C-3, Reeves County, Texas.

c. Approximately 10.8 miles of 20" O.D., 0.312" w.t. pipeline, and necessary appurtenances, commencing at a point in the Lockridge Field in Section 70, Block 34, H. & T.C. Survey, Ward County, Texas, and terminating at the inlet side of the Waha Purification and Dehydration Plant in the SE/4 of Section 9, PSL Block C-3, Reeves County, Texas.

2. FIELD LOOP PIPELINE

Approximately 18.9 miles of 24" O.D., 0.375" w.t. pipeline, and necessary appurtenances, commencing at a point in the Gomez Field in Section 2, Block 115, G.C. & S.F. RR. Co. Survey, Pecos County, Texas, and terminating at the inlet side of the Waha Purification and Dehydration Plant in the SE/4 of Section 9, PSL Block C-3, Reeves County, Texas, such pipeline looping the 16" O.D. Gomez Field to Waha Plant pipeline.

3. WAHA-CORNUDAS MAINLINE

Approximately 143.5 miles of 36" O.D., 0.438" w.t. pipeline, and necessary appurtenances, commencing at the discharge side of the Waha Purification and Dehydration Plant in the SE/4 of Section 9, PSL Block C-3, Reeves County, Texas, and terminating at the inlet side of Cornudas Compressor Station described in paragraph A.2.c. above.

4. LORDSBURG-CASA GRANDE MAINLINE

Approximately 217.0 miles of 30" O.D., 0.375" w.t. pipeline, and necessary appurtenances, commencing at the discharge side of Lordsburg Compressor Station described in paragraph A.2.g. above and terminating at the suction side of Casa Grande Compressor Station described in paragraph A.2.i. above, such

pipeline to be located generally parallel with and north of the existing Southern Mainlines.

5. SOUTHERN MAINLINE LOOP PIPELINE

a. Approximately 26.1 miles of 30" O.D., 0.375" w.t. pipeline, and necessary appurtenances, commencing at a point in the SW/4 of Section 17, University Lands, Block J, and terminating at a point in the SW/4 of Section 8, PSL Block 12, all in Hudspeth County, Texas, such pipeline looping a segment of the Southern Mainlines from Cornudas Compressor Station at Milepost 144.5 to Milepost 169.6.

b. Approximately 24.1 miles of 30" O.D., 0.375" w.t. pipeline, and necessary appurtenances, commencing at a point in the SW/4 of Section 8, Block 77, Township 3, T. & P. RR Co. Survey, and terminating at the El Paso Compressor Station in the NE/4 of Section 18, Block 80, Township 1, T. & P. RR Co. Survey, all in El Paso County, Texas, such pipeline looping a segment of the Southern Mainlines from Milepost 183.5 to El Paso Compressor Station at Milepost 207.6.

c. Approximately 8.6 miles of 30" O.D., 0.375" w.t. pipeline, and necessary appurtenances, commencing at a point in the NE/4 of Section 18, Block 80, Township 1, T. & P. RR Co. Survey, El Paso County, Texas, and terminating at a point in the SW/4 of Section 27, Township 26 South, Range 4 East, Dona Ana County, New Mexico, such pipeline looping the Southern Mainlines from El Paso Compressor Station at Milepost 207.6 to Milepost 216.2.

d. Approximately 27.6 miles of 30" O.D., 0.375" w.t. pipeline, and necessary appurtenances, commencing at a point in the SW/4 of Section 21, Township 25 South, Range 1 East, Dona Ana County, New Mexico, and terminating at a point in the SW/4 of Section 24, Township 24 South, Range 5 West, Luna County, New Mexico, such pipeline looping a segment of the Southern Mainlines from Afton Compressor Station at Milepost 236.8 to Milepost 264.4.

e. Approximately 24.8 miles of 30" O.D., 0.375" w.t. pipeline, and necessary appurtenances, commencing at a point in the SE/4 of Section 8, Township 24 South, Range 7 West, and terminating at a point in the SE/4 of Section 32, Township 23 South, Range 11 West, all in Luna County, New Mexico, such pipeline looping a segment of the Southern Mainlines from Milepost 280.3 to Deming Compressor Station at Milepost 305.1.

f. Approximately 34.0 miles of 30" O.D., 0.375" w.t. pipeline, and necessary appurtenances, commencing at a point in the SE/4 of Section 32, Township 23 South, Range 11 West,

Luna County, New Mexico, and terminating at a point in the NE/4 of Section 15, Township 23 South, Range 17 West, Hidalgo County, New Mexico, such pipeline looping a segment of the Southern Mainlines from Deming Compressor Station at Milepost 305.1 to Milepost 339.1.

g. Approximately 23.3 miles of 30" O.D., 0.375" w.t. pipeline, and necessary appurtenances, commencing at a point in the SW/4 of Section 5, Township 6 South, Range 3 East, Pinal County, Arizona, and terminating at a point in the NE/4 of Section 29, Township 3 South, Range 1 West, Maricopa County, Arizona, such pipeline looping a segment of the Southern Mainlines from Casa Grande Compressor Station at Milepost 577.1 to Milepost 600.4.

h. Approximately 21.0 miles of 30" O.D., 0.281" w.t. pipeline, and necessary appurtenances, commencing at a point in Section 2, Township 2 North, Range 12 West, Yuma County, Arizona, and terminating at a point in Section 21, Township 2 North, Range 15 West, Yuma County, Arizona, such pipeline looping a segment of the Southern Mainlines from proposed Wenden Compressor Station at Milepost 670.5 to Milepost 691.5.

i. Approximately 4.7 miles of 30" O.D., 0.281" w.t. pipeline, and necessary appurtenances, commencing at a point in Section 12 extended, Township 3 North, Range 20 West, and terminating at a point in Section 32 extended, Township 4 North, Range 20 West, all in Unsurveyed Lands, Yuma County, Arizona, such pipeline looping a segment of the Southern Mainlines from Milepost 720.8 to Milepost 725.5.

C. METERING FACILITIES

1. CHECK METERS

a. A 20" O.D. orifice-type check meter, and necessary appurtenances, located on the proposed 20" O.D. Toro and Hamon Fields pipeline, described in paragraph B.1.b. above, at the inlet side of the Waha Purification and Dehydration Plant in the SE/4 of Section 9, PSL Block C-3, Reeves County, Texas.

b. A 20" O.D. orifice-type check meter, and necessary appurtenances, located on the proposed 20" O.D. Lockridge Field line, described in paragraph B.1.c. above, at the inlet side of the Waha Purification and Dehydration Plant in the SE/4 of Section 9, PSL Block C-3, Reeves County, Texas.

c. A 24" O.D. orifice-type check meter, and necessary appurtenances, located on the proposed 24" loop of the Gomez to Waha Pipeline described in paragraph B.2. above, at the

inlet side of the Waha Purification and Dehydration Plant in the SE/4 of Section 9, PSL Block C-3, Reeves County, Texas.

d. A 24" O.D. orifice-type check meter, and necessary appurtenances, located on the proposed 24" O.D. Puckett to Waha pipeline, described in paragraph B.1.a. above, on the discharge side of the Puckett Plant in the NE/4 of Section 13, Block 126, T. & ST.L. RR Survey, Pecos County, Texas.

e. A 36" O.D. orifice-type check meter, and necessary appurtenances, located on the proposed 36" O.D. Waha to Cornudas pipeline, described in paragraph B.3. above, on the discharge side of the Waha Purification and Dehydration Plant in the SE/4 of Section 9, PSL Block C-3, Reeves County, Texas.

f. A 24" O.D. orifice-type check meter, and necessary appurtenances, located on the discharge side of the Waha Purification and Dehydration Plant in the SE/4 of Section 9, PSL Block C-3, Reeves County, Texas.

g. A 30" O.D. orifice-type check meter, and necessary appurtenances, located on the proposed 30" O.D. Lordsburg Casa Grande Mainline at approximate Milepost 194 in Section 5, Township 6 South, Range 7 East, Pinal County, Arizona.

2. PURCHASE METERS

a. A 12-3/4" O.D. orifice-type purchase meter, and necessary appurtenances, located on the outlet side of the Mobil-Coyanosa Plant in the NE/4 of Section 48, Block 143, T. & ST.L. Survey, Pecos County, Texas.

3. SALES METERS

a. Two (2) 16" O.D. orifice-type sales meter runs, and necessary appurtenances, to be located at Topock Meter Station in Section 35, Township 16 North, Range 21 West, Mohave County, Arizona.

b. Two (2) 16" O.D. orifice-type sales meter runs, and necessary appurtenances, to be located at Ehrenberg Meter Station in Section 16, Township 3 North, Range 22 West, Yuma County, Arizona.

In addition to those facilities specifically described in paragraphs A, B and C above, but as a part of the instant project, Applicant proposes to construct (or install) and operate, under authority of

§ 2.55(a) of the Commission's General Policy and Interpretations, those facilities specifically described as follows:

D. AUXILIARY INSTALLATIONS

1. GAS PURIFICATION AND DEHYDRATION FACILITIES

a. Waha Purification and Dehydration Plant Addition

Additional gas purification and dehydration facilities as required to provide an increase of 316,000,000 cubic feet per day in the design inlet capacity of the Waha Purification and Dehydration Plant located in the SE/4 of Section 9, PSL Block C-3, Reeves County, Texas. This addition, together with the present design capacity, will provide a total design inlet capacity of 531,000,000 cubic feet per day for this plant.

2. GAS CLEANING EQUIPMENT

a. El Paso Compressor Station

An additional scrubber at El Paso Compressor Station located in the NE/4 of Survey 18, Block 80, Township 1, T & P RR Company Survey, El Paso County, Texas.

b. Deming Compressor Station

An additional scrubber at Deming Compressor Station located in the SE/4 of Section 32, Township 23 South, Range 11 West, Luna County, New Mexico.

c. Gila Compressor Station

An additional scrubber at Gila Compressor Station located in the SW/4 of Section 18, Township 2 South, Range 5 West, Maricopa County, Arizona.

3. STATION PIPING

Make piping modifications at Guadalupe Compressor Station located in the SE/4 of Section 25, PSL Block 120, and N/2 of Section 5, PSL Block 119, Culberson County, Texas, as required to supply fuel for this station from the 16" O.D. El Paso "B" Mainline.

4. COMMUNICATION FACILITIES

Additional communications equipment as required for the operation and maintenance of those facilities proposed herein.

5. GENERAL STRUCTURES

Additional general structures as required for the operation and maintenance of those facilities proposed herein.

In addition to those facilities specifically described in paragraphs A, B, C and D above, but as a part of the instant project, Applicant proposes to install and operate those facilities specifically described as follows:

E. GATHERING FACILITIES

1. A total of approximately 13.7 miles of 16" O.D., 12-3/4" O.D., 10-3/4" O.D. and 8-5/8" O.D. field gathering pipelines, and necessary appurtenances including twelve (12) high pressure well ties with meter runs, located in the Toro and Hamon Fields in Reeves County, Texas.
2. A total of approximately 3.3 miles of 16" O.D. and 10-3/4" O.D. field gathering pipelines, and necessary appurtenances including five (5) high pressure well ties with meter runs, located in the Lockridge Field in Ward County, Texas.

Applicant believes that certificate authorization is not required to construct and operate the gathering facilities described in paragraph E above; in the event the Commission finds to the contrary, Applicant likewise seeks authorization necessary to construct and operate such gathering facilities.

In addition to those facilities specifically described in paragraphs A, B, C, D and E above, which Applicant proposes to construct and operate, Applicant proposes, as a part of the instant project, to retest and qualify for operation at a higher working pressure those facilities specifically described as follows:

F. MAINLINE PIPELINES

Inspect, hydrostatically test and replace pipe and pipeline appendages where necessary to qualify, pursuant to ASA B31.8-1963 Code, for a maximum allowable operating pressure of 650 psig, approximately 103.2 miles of the existing 16" O.D. "B" El Paso Mainline commencing at the Tunstill tie-in at a point in Section 1, Township 26 South, Range 30 East, Eddy County, New Mexico, and terminating at the crossover line with the 26" and 30" O.D. Southern Mainlines at Compressor Station No. 2 located in the NE/4 of Section 24, Township 3, PSL Block 123, Hudspeth County, Texas.

The total estimated cost of constructing those facilities described in paragraphs A, B, C, D and E above and retesting those facilities described in paragraph F above, including overhead, contingency provisions and filing fees, is \$118,325,000. The total project cost, including financing expenses and additional working capital, is estimated at \$120,600,000.

V.

No application, to supplement or effectuate Applicant's proposal, as set forth herein, must be or is to be filed by Applicant, or by any other person, with any State, Federal or other regulatory body, except applications by those producers indicated in Exhibit H hereto necessary to implement authorization requested herein for facilities to attach certain sources of gas.

VI.

Appended hereto is a statement, in conformity with § 157.6(b)(7) of the Commission's Regulations, submitted in the form contemplated by § 157.9 of said Regulations, suitable for publication in the Federal Register.

VII.

WHEREFORE, El Paso Natural Gas Company, the Applicant herein, respectfully prays that the Commission issue to it a certificate of public convenience and necessity under § 7(c) of the Natural Gas Act authorizing

the construction and operation of facilities and the sale and delivery of natural gas, all as hereinabove described.

Respectfully submitted,

EL PASO NATURAL GAS COMPANY

By s/ Travis Petty
Travis Petty
Controller

G. Scott Cuming, Esq., General Counsel
Walter G. Henderson, Esq., Counsel
of EL PASO NATURAL GAS COMPANY

By s/ Walter G. Henderson
Walter G. Henderson

MAY, SHANNON AND MORLEY

By s/ Charles V. Shannon
Charles V. Shannon

HARDIE, GRAMBLING, SIMS & GALATZAN

By s/ Allen R. Grambling
Allen R. Grambling

Attorneys for EL PASO NATURAL GAS COMPANY

Dated: January 27, 1967

STATE OF TEXAS)
)
COUNTY OF EL PASO)

TRAVIS PETTY, being first duly sworn, on oath, says that he is Controller of El Paso Natural Gas Company; that he has read the within and foregoing Application for a Certificate of Public Convenience and Necessity and that he is familiar with the contents thereof; that, as such officer, he has executed the same for and on behalf of said Company with full power and authority to do so; and that the matters and facts set forth therein are true to the best of his information, knowledge and belief.

s/ Travis Petty
Travis Petty

SUBSCRIBED AND SWORN TO before me, the undersigned authority,
on this 27th day of January, 1967.

s/ Norma Jean Adkins
Norma Jean Adkins
Notary Public in and for
El Paso County, Texas
My Commission Expires June 1, 1967

(SEAL)