

for information to customer. Building  
procedure build-up tests & for  
cancellation and/or trip  
allowable for

Casa No.

1685

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Application, Transcript,  
Small Exhibits, Etc.

OIL CONSERVATION COMMISSION

P. O. BOX 871  
SANTA FE, NEW MEXICO

June 10, 1959

Mr. Fred Hannahs  
301 Don Gaspar Avenue  
Santa Fe, New Mexico

Dear Mr. Hannahs:

On behalf of your client, El Paso Natural Gas Company, we enclose two copies of Order No. R-1421, issued by the Oil Conservation Commission on June 9, 1959.

Very truly yours,

A. L. PORTER, Jr.  
Secretary-Director

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Enclosures

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BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF THE STATE OF NEW  
MEXICO FOR THE PURPOSE OF  
CONSIDERING:

CASE NO. 1685  
Order No. R-1421

APPLICATION OF EL PASO NATURAL  
GAS COMPANY FOR AN ORDER  
AUTHORIZING MAXIMUM PRESSURE  
BUILD-UP TESTS AND FOR THE NON-  
CANCELLATION AND/OR TRANSFER OF  
ALLOWABLES FOR WELLS INVOLVED  
IN SUCH TESTING PROGRAM IN FIVE  
GAS POOLS IN SAN JUAN AND RIO  
ARRIBA COUNTIES, NEW MEXICO

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on June 3, 1959, at Santa Fe, New Mexico, before Daniel S. Nutter, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 9<sup>th</sup> day of June, 1959, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Nutter, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, El Paso Natural Gas Company, seeks an order approving maximum pressure build-up tests on 19 gas wells in the Blanco Mesaverte, Anteo-Pictured Cliffs, Ballard-Pictured Cliffs, Fulcher Kutz-Pictured Cliffs, and the South Blanco-Pictured Cliffs Gas Pools in San Juan and Rio Arriba Counties, New Mexico, and further authorizing the non-cancellation and/or transfer of allowables for said wells and for administrative approval for the substitution of other wells for those authorized by this order.
- (3) That there is a need for the reservoir information that the proposed maximum pressure build-up tests would provide.
- (4) That the proposed tests would not cause waste nor violate correlative rights.

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- (5) That the proposed tests should be authorized.
- (6) That all shut-in wells should be excepted from the requirements of Order R-333-C and D during the time that maximum pressure build-up tests are being conducted.
- (7) That any shut-in well which has not been assigned an allowable prior to the effective date of this order should be assigned an allowable from the date of connection to a transportation facility, provided said date is not more than forty-five days prior to the beginning of the test.
- (8) That the applicant should be permitted to transfer the allowable which accrues to the shut-in well during the test to certain other wells on the same basic lease; and further, that any such allowable which is not so transferred should be considered to have accrued on the date the test is completed.
- (9) That the underage and overage balancing provisions of Rules 6 and 7 of Order R-135-D, Rules 11 and 12 of Order R-565-C and R-546, as all of said rules are amended by Order R-967, should be suspended for all affected shut-in and transfer wells until the end of the six-month proration period following the proration period during which the test is completed.

IT IS THEREFORE ORDERED:

- (1) That authority be and the same is hereby granted to conduct maximum pressure build-up tests on the wells hereinafter designated as the "Shut-In Well" and to transfer any allowables accruing to said wells during the tests to one or more of the wells designated as a "Transfer Well" for the same test, subject to the provisions of Paragraph 2 of this order;

AZTEC-PICTURED CLIFFS GAS POOL

SHUT-IN WELL

El Paso-Ludwick No. 2  
SE/4, S 19, T-30N, R-10W

TRANSFER WELL

El Paso-Ludwick No. 1  
NW/4, S 29, T-30N, R-10W

El Paso-Ludwick No. 3  
SE/4, S 29, T-30N, R-10W

El Paso-Ludwick No. 4  
NE/4, S 31, T-30N, R-10W

El Paso-Ludwick No. 5  
NW/4, S 31, T-30N, R-10W

El Paso-Ludwick No. 6  
SW/4, S 19, T-30N, R-10W

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BALLARD-PICTURED CLIFFS GAS POOL

SHOT-IN WELL

El Paso-Ballard No. 2-14  
NW/4, S 14, T-26N, R-9W

El Paso-Quitman No. 9  
NW/4, S 11, T-25N, R-8W

TRANSFER WELL

El Paso-Ballard No. 1-14  
SE/4, S 14, T-26N, R-9W

El Paso-Ballard No. 3-14  
NE/4, S 14, T-26N, R-9W

El Paso-Ballard No. 4-14  
SW/4, S 14, T-26N, R-9W

El Paso-Ballard No. 1-15  
NW/4, S 15, T-26N, R-9W

El Paso-Ballard No. 2-15  
NE/4, S 15, T-26N, R-9W

El Paso-Ballard No. 3-15  
SE/4, S 15, T-26N, R-9W

El Paso-Ballard No. 4-15  
SW/4, S 15, T-26N, R-9W

El Paso-Quitman No. 1  
NW/4, S 3, T-25S, R-8W

El Paso-Quitman No. 2  
NW/4, S 11, T-25S, R-8W

El Paso-Quitman No. 3  
SE/4, S 11, T-25S, R-8W

El Paso-Quitman No. 4  
SE/4, S 3, T-25S, R-8W

El Paso-Quitman No. 5  
SW/4, S 3, T-25S, R-8W

El Paso-Quitman No. 6  
NE/4, S 10, T-25S, R-8W

El Paso-Quitman No. 7  
NW/4, S 10, T-25S, R-8W

El Paso-Quitman No. 8  
NE/4, S 11, T-25S, R-8W

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El Paso-Wilson No. A-1  
NW/4, S 32, T-26N, R-8W

El Paso-Quitman No. 10  
SE/4, S 10, T-25S, R-8W

El Paso-Quitman No. 11  
NE/4, S 3, T-25S, R-8W

El Paso-Wilson No. A-2  
SW/4, S 32, T-26N, R-8W

BLANCO MESAVENDE GAS POOL

SHUT-IN WELL

El Paso-Atlantic No. 5-A  
SW/4, S 26, T-31N, R-10W

El Paso-Atlantic No. 8-A  
NE/4, S 29, T-31N, R-11W

El Paso-Barnes No. 7  
SW/4, S 23, T-32N, R-11W

El Paso-Barrett No. 2  
NE/4, S 19, T-31N, R-9W

El Paso-Gartner No. 2  
NW/4, S 28, T-30N, R-8W

TRANSFER WELL

El Paso-Atlantic No. 1-A  
NE/4, S 27, T-31N, R-10W

El Paso-Atlantic No. 9-A  
SW/4, S 27, T-31N, R-10W

El Paso-Atlantic No. 7-A  
SW/4, S 29, T-31N, R-10W

None

El Paso-Barrett No. 1  
SW/4, S 19, T-31N, R-9W

El Paso-Barrett No. 3  
SW/4, S 20, T-31N, R-9W

El Paso-Barrett No. 4  
NE/4, S 20, T-31N, R-9W

El Paso-Gartner No. 1  
SW/4, S 28, T-30N, R-8W

El Paso-Gartner No. 3  
SW/4, S 33, T-30N, R-8W

El Paso-Gartner No. 4  
NE/4, S 33, T-30N, R-8W

El Paso-Gartner No. 5  
SW/4, S 27, T-30N, R-8W

El Paso-Gartner No. 7  
SW/4, S 26, T-30N, R-8W

El Paso-Gartner No. 8  
NE/4, S 26, T-30N, R-8W

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El Paso-Hughes No. 1  
SW/4, S 19, T-29N, R-8W

El Paso-Lucerne No. 2-A  
NE/4, S 9, T-31N, R-10W

El Paso-SJU 30-6 McElvain No. 1-A  
NE/4, S 23, T-30N, R-7W

El Paso-Riddle No. 2  
SW/4, S 3, T-30N, R-9W

El Paso-Schwerdtfeger No. 1  
SW/4, S 27, T-31N, R-9W

El Paso-Hughes No. 2  
NE/4, S 19, T-29N, R-8W

El Paso-Hughes No. 3  
NE/4, S 20, T-29N, R-8W

El Paso-Hughes No. 4  
SW/4, S 20, T-29N, R-8W

El Paso-Hughes No. 5  
SW/4, S 21, T-29N, R-8W

El Paso-Hughes No. 6  
NE/4, S 21, T-29N, R-8W

El Paso-Hughes No. 7  
SW/4, S 29, T-29N, R-8W

El Paso-Hughes No. 8  
NE/4, S 29, T-29N, R-8W

El Paso-Lucerne No. 1-A  
SW/4, S 9, T-31N, R-10W

El Paso-Lucerne No. 3-A  
SW/4, S 3, T-31N, R-10W

El Paso-Lucerne No. 4-A  
NE/4, S 10, T-31N, R-10W

El Paso-McElvain No. 2-A  
SW/4, S 23, T-30N, R-7W

El Paso-McElvain No. 3-A  
NE/4, S 24, T-30N, R-7W

El Paso-McElvain No. 4-A  
SW/4, S 24, T-30N, R-7W

El Paso-McElvain No. 5-A  
NE/4, S 25, T-30N, R-7W

El Paso-McElvain No. 6-A  
SW/4, S 25, T-30N, R-7W

El Paso-Riddle No. 1  
NW/4, S 4, T-30N, R-9W

None



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El Paso-SJU 28-6 No. 37  
SW/4, S 6, T-27N, R-6W

El Paso-SJU 28-7 No. 56  
SW/4, S 13, T-28N, R-7W

El Paso-SJU 28-6 No. 39  
SW/4, S 5, T-27N, R-6W

El Paso-SJU 28-6 No. 43  
NE/4, S 7, T-27N, R-6W

El Paso-SJU 28-6 No. 54  
SW/4, S 7, T-27N, R-6W

El Paso-SJU 28-6 No. 22  
NE/4, S 8, T-27N, R-6W

El Paso-SJU 28-7 No. 33  
NE/4, S 13, T-28N, R-7W

El Paso-SJU 28-7 No. 51  
NE/4, S 24, T-28N, R-7W

El Paso-SJU 28-7 No. 26  
SW/4, S 24, T-28N, R-7W

El Paso-SJU 28-7 No. 50  
NE/4, S 23, T-28N, R-7W

El Paso-SJU 28-7 No. 9  
SW/4, S 14, T-28N, R-7W

El Paso-SJU 28-7 No. 24  
NE/4, S 14, T-28N, R-7W

El Paso-SJU 28-7 No. 55  
SW/4, S 12, T-28N, R-7W

FULCHER KUTZ-PICTURED CLIFFS GAS POOL

SHUT-IN WELL

El Paso-Oiler No. 5  
SE/4, S 25, T-28N, R-10W

TRANSFER WELL

El Paso-Oiler No. 2  
NW/4, S 36, T-28N, R-10W

El Paso-Oiler No. 3  
SE/4, S 36, T-28N, R-10W

El Paso-Oiler No. 4  
NE/4, S 36, T-28N, R-10W

El Paso-Oiler No. 6  
NE/4, S 25, T-28N, R-10W

El Paso-Oiler No. 7  
NW/4, S 25, T-28N, R-10W

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El Paso-Oiler No. 8  
SW/4, S 25, T-28N, R-10W

El Paso-Oiler No. 9  
SW/4, S 36, T-28N, R-10W

SOUTH BLANCO-PICTURED CLIFFS GAS POOL

SHUT-IN WELL

El Paso-Jicarilla No. 1-B  
NW/4, S 28, T-25N, R-4W

El Paso-Jicarilla No. 8-E  
NW/4, S 20, T-25N, R-4W

TRANSFER WELL

El Paso-Jicarilla No. 2-B  
NE/4, S 34, T-25N, R-4W

El Paso-Jicarilla No. 3-B  
SE/4, S 28, T-25N, R-4W

El Paso-Jicarilla No. 4-B  
NW/4, S 34, T-25N, R-4W

El Paso-Jicarilla No. 5-B  
SW/4, S 27, T-25N, R-4W

El Paso-Jicarilla No. 6-B  
NE/4, S 33, T-25N, R-4W

El Paso-Jicarilla No. 7-B  
SE/4, S 27, T-25N, R-4W

El Paso-Jicarilla No. 8-B  
NE/4, S 28, T-25N, R-4W

El Paso-Jicarilla No. 9-B  
SW/4, S 28, T-25N, R-4W

El Paso-Jicarilla No. 10-B  
SW/4, S 34, T-25N, R-4W

El Paso-Jicarilla No. 1-E  
NE/4, S 19, T-25N, R-4W

El Paso-Jicarilla No. 2-E  
SE/4, S 19, T-25N, R-4W

El Paso-Jicarilla No. 3-E  
SW/4, S 18, T-25N, R-4W

El Paso-Jicarilla No. 4-E  
SE/4, S 18, T-25N, R-4W

El Paso-Jicarilla No. 5-E  
NE/4, S 20, T-25N, R-4W

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El Paso-Jicarilla No. 6-E  
SE/4, S 20, T-25N, R-4W

El Paso-Jicarilla No. 9-E  
NW/4, S 19, T-25N, R-4W

El Paso-Jicarilla No. 11-E  
SW/4, S 19, T-25N, R-4W

(2) That any operator desiring an allowable transfer as authorized above shall submit a request for the same to the Commission setting out the amount of allowable which he proposes to transfer and the name and location of the well or wells which are to receive the same. Such transfers must be to wells on the same basic lease as the shut-in well. If the proposed transfer is approved by the Commission, the transfer shall be effected upon completion of the test or upon receipt of the deliverability test for the shut-in well, whichever date is later.

(3) That the underage and overage provisions of Rules 6 and 7 of Order R-125-D and Rules 11 and 12 of Order R-565-C and R-846, as all of said orders are amended by Order R-967, shall be suspended for all affected shut-in and transfer wells listed herein insofar as concerns any overage or underage accrued to such wells at the time a test is commenced; provided, however, that said wells shall be subject to the provisions of the aforementioned rules after the end of the six-month proration period following the proration period during which the test is completed, and further, that any allowable which accrues to a shut-in well during a test which is not transferred as provided for in Paragraph 2 above shall be considered to have accrued to said shut-in well on the date the test is completed.

(4) That any transfer well which has not been connected to a transportation facility at the beginning of the test shall have its allowable assigned in accordance with the applicable proration order.

(5) That any shut-in well which has not been assigned an allowable prior to the effective date of this order shall be assigned an allowable from the date of connection to a transportation facility, provided said date is not more than forty-five days prior to the beginning of the test.

If, however, the shut-in well has not been connected to a transportation facility at the beginning of the test its allowable shall begin on the date when the well would have delivered gas into a transportation facility had the well not been shut-in, such date to be determined from an affidavit by the gas purchaser.

(6) That all shut-in wells be and the same are hereby excepted from the requirements of Order R-333-C and D until the date of first delivery of gas into a gas transportation facility after the completion of the test.

(7) That the Commission be and the same is hereby authorized to administratively approve the substitution of wells designated to participate in any of the tests listed in this order, provided that no well shall be designated as a transfer well which is not on the same basic lease as the shut-in well.

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Case No. 1685

Order No. R-1421

(8) That in order to establish the starting date of any maximum pressure build-up test listed in this order, the operator shall notify the Santa Fe and Artec offices of the Commission at the time the well is shut-in and padlocked, which date shall be the starting date of the maximum pressure build-up tests. Provided, that any test started before the date of this order on which the operator can furnish adequate proof that the well has not been blown to the air or produced in any manner, may have the starting date of the test begin as of the date of the shutting-in of the test well.

(9) That the shut-in well on all tests listed in this order shall be padlocked in such a manner so as to definitely prevent the opening of any valve except during the taking of the pressure readings.

(10) That the results of all pressure readings on the above-described tests shall be filed with the Commission's Artec and Santa Fe offices within a reasonable time after the completion of the last test authorized herein. These data shall be filed in both tabular and graphic form and shall show the date that the test well was shut-in, the date and the pressure at each pressure reading, and the length of time that the well was shut-in prior to each reading. The graph shall depict the pressure build-up in pounds per square inch absolute plotted against shut-in time in days.

(11) That the authority herein granted shall terminate one year from the date of this order; provided, however, that the Secretary-Director may approve an extension of time for the taking of the subject tests for good cause shown.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

  
*John Burroughs*  
JOHN BURROUGHS, Chairman

MURRAY E. MORGAN, Member

*A. L. Porter, Jr.*  
A. L. PORTER, Jr., Member & Secretary

ven/

DOCKET: EXAMINER HEARING JUNE 3, 1959

OIL CONSERVATION COMMISSION, 9 a.m., MABRY HALL, STATE CAPITOL, SANTA FE

The following cases will be heard before Daniel S. Nutter, Examiner,  
or A. L. Porter, Jr., Secretary-Director.

- CASE 1661: (Readvertisement) (Continued Case)  
Application of Pan American Petroleum Corporation for a gas-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing it to dually complete its W. H. Turner No. 1 located in the SE/4 SE/4 of Section 29, Township 21 South, Range 37 East, Lea County, New Mexico, in such a manner as to permit the production of gas from the Eumont producing interval adjacent to the Eumont Pool and the production of oil from the Drinkard Pool. Applicant proposes to utilize a retrievable-type packer in said well.
- CASE 1682: Application of Continental Oil Company for permission to commingle the production from two separate pools. Applicant, in the above-styled cause, seeks an order authorizing it to commingle the oil production from the Blinbry Oil Pool and the Tubb Gas Pool, from wells located in the E/2 NE/4 and the NE/4 SE/4 of Section 17, Township 21 South, Range 37 East, Lea County, New Mexico.
- CASE 1687: Application of Continental Oil Company for a gas-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Britt B-15 Well No. 9, located in the NW/4 SE/4 of Section 15, Township 20 South, Range 37 East, Lea County, New Mexico, in such a manner as to permit the production of gas from the Tubb formation and the production of oil from the Drinkard formation through parallel strings of tubing.
- CASE 1683: Application of Gulf Oil Corporation for a non-standard gas proration unit and for an order force pooling the interests therein. Applicant, in the above-styled cause, seeks the establishment of a 477-acre non-standard gas proration unit in the Eumont Gas Pool consisting of the N/2 and the SE/4 of Section 19, Township 19 South, Range 37 East, Lea County, New Mexico, to be dedicated to applicant's B. V. Culp "A" Well No. 3, located 1980 feet from the North and West lines of said Section 19. Applicant further seeks an order force pooling the interests of those in said non-standard gas proration unit who have gas rights within the vertical limits of the Eumont Gas Pool.
- CASE 1684: Application of Honolulu Oil Corporation for an unorthodox gas well location. Applicant, in the above-styled cause, seeks an order authorizing an unorthodox gas well location in an undesignated Yates gas pool for its State Well No. 1-B, located 1830 feet from the South line and 2130 feet from the East line of Section 13, Township 11 South, Range 27 East, Chaves County, New Mexico.
- CASE 1685: Application of El Paso Natural Gas Company for permission to conduct maximum pressure build-up tests and for non-cancellation and/or transfer of allowables for test wells. Applicant, in the above-styled cause, seeks an order authorizing it to conduct maximum pressure build-up tests on nineteen (19) gas wells in the Blanco Mesaverde, Aztec-Pictured Cliffs, Ballard-Pictured Cliffs, Fulcher Kutz-Pictured Cliffs and South Blanco-Pictured Cliffs Pools in San Juan and Rio

Arriba Counties, New Mexico. Applicant further requests the non-cancellation of allowables accruing to test wells during the test period and for authorization to transfer said allowables to other wells on the same basic lease, and for such other relief as is necessary to properly conduct said tests including establishment of an administrative procedure for approval of substitute tests.

CASE 1686:

Application of Skelly Oil Company for the establishment of a new gas pool for Atoka production, and for the adoption of Special Rules and Regulations in connection therewith. Applicant, in the above-styled cause, seeks the establishment of a new pool for Atoka production comprising the E/2 of Section 11 and the W/2 of Section 12, Township 16 South, Range 33 East, Lea County, New Mexico, and the Establishment of Special Rules and Regulations therefor including 640-acre spacing for said pool.

CASE 1688:

Application of Anderson-Prichard Oil Corporation for a dual completion. Applicant, in the above-styled cause, seeks an order authorizing it to dually complete its State "A-28" Well No. 1, located in the SE/4 NE/4 Section 28, Township 26 South, Range 37 East, Lea County, New Mexico, in such a manner as to produce gas from the Yates formation in the Rhodes Storage Area, Jalmat Gas Pool, through the casing-tubing annulus, and to produce oil from the Seven Rivers formation through tubing.

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

Date 6-3-59


CASE NO. 1685

HEARING DATE 9 a.m. 6-3-59

DSN @ SF

My recommendations for an order in the above numbered case(s) are as follows:

Enter an Order authorizing El Paso Natural Gas Company to conduct maximum pressure build-up tests on some 19 gas wells in the Blanco-Mesaverde, Aztec-Pictured Cliffs, Ballard-Pictured Cliffs, Fulcher Kutz-Pictured Cliffs, and South Blanco-Pictured Cliffs Gas Pools in San Juan and Rio Arriba Counties. Specify that tests shall be completed within 12 months from the effective date of the Order, and provide administrative procedures for extending the time of the tests, if necessary. Provide also that wells be exempted from the requirements of Order 333 C&D. Provide also that substitute wells ~~on the same leases~~ may be designated as the shut-in well, subject to approval of the Secretary-Director.

  
Staff Member  
*El Paso*

*Exam. hearing  
June 3*

BEFORE THE  
OIL CONSERVATION COMMISSION OF THE  
STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION  
OF EL PASO NATURAL GAS COMPANY  
FOR AN ORDER AUTHORIZING THE CON-  
DUCTING OF MAXIMUM PRESSURE BUILD-  
UP TESTS AND THE NONCANCELLATION  
AND/OR TRANSFER OF ALLOWABLES FOR  
WELLS INVOLVED IN SUCH TESTING PRO-  
GRAM IN THE BLANCO-MESAVERDE, AZTEC-  
PICTURED CLIFFS, BALLARD-PICTURED  
CLIFFS, FULCHER KUTZ-PICTURED CLIFFS  
AND SOUTH BLANCO-PICTURED CLIFFS GAS  
POOLS, SAN JUAN AND RIO ARriba  
COUNTIES, NEW MEXICO

CASE NO. 1685

ORDER NO. \_\_\_\_\_

*see page 2  
page 3.*

A P P L I C A T I O N

TO THE HONORABLE COMMISSION:

COMES NOW El Paso Natural Gas Company, hereinafter referred  
to as "Applicant" and alleges and states:

I.

Applicant is a Delaware corporation with a permit to do  
business in the State of New Mexico;

II.

Applicant is the operator of oil and gas leases in the  
Blanco-Mesaverde, Aztec-Pictured Cliffs, Ballard-Pictured Cliffs,  
Fulcher Kutz-Pictured Cliffs and South Blanco-Pictured Cliffs Gas  
Pools, as delineated by orders of this Commission, and the gas wells  
located on said leases as described in Exhibit "A" which is attached  
hereto and made a part hereof;

III.

There is a continuing need for reservoir information  
concerning said pools and such information should be obtained by  
shutting in the wells listed in said Exhibit "A" and conducting  
maximum pressure build-up tests with respect to same. Applicant  
proposes to complete such tests within the twelve-month period  
following the date of issuance of the Commission's order in this  
case, but Applicant should be permitted, in its discretion, to  
conduct such tests over shorter periods of time where possible.  
Upon filing an application with the Secretary-Director of this

*Recher  
Miles 5-20-59*

*Order should set a time limit! Remember Pan Am. situation  
Remember the Marine!*



Commission and upon receiving authorization by said Secretary-Director, Applicant should be permitted to conduct such tests over longer periods of time than twelve months where necessary;

IV.

Such proposed tests would not constitute waste nor violate correlative rights and should be authorized;

V.

All wells shut-in for the purpose of conducting such tests should be excepted from the requirements of Order R-333-C and D during the time that the maximum pressure build-up tests are being conducted with respect to same;

VI.

Any shut-in well which has not been assigned an allowable prior to the effective date of any order issued pursuant to this Application should be assigned an allowable from the date of connection to a gas transportation facility, provided said date is not more than forty-five (45) days prior to the beginning of the test;

VII.

Applicant should be permitted to transfer the allowable which accrues to any shut-in well during its testing period to any other offset well or wells on the same basic lease; and that the transfer of such allowable to any specific well or wells should be upon request of Applicant and authorization of the Commission issued in the form of a supplemental allowable to such transfer well;

VIII.

The underage and overage balancing provisions of Rules 6 and 7 of Order R-128-D, as amended by Order R-967, with respect to the Blanco-Mesaverde Gas Pool, Rules 11 and 12 of Order R-846, as amended by Order R-967, with respect to the Ballard-Pictured Cliffs Gas Pool, and Rules 11 and 12 of Order R-565-C, as amended by Order R-967, with respect to the Aztec-Pictured Cliffs, Fulcher Kutz-Pictured Cliffs and South Blanco-Pictured Cliffs Gas Pools, should be suspended as to each affected shut-in and transfer well located in each such respective gas pool until the end of the

six-month proration period following the proration period during which the testing of each such shut-in well is completed; and

IX.

In addition to the maximum pressure build-up tests stipulated herein, the order sought by this application should provide for the granting of administrative approval to conduct such substitute tests as Applicant may in its discretion deem necessary for obtaining more thorough and complete reservoir information with respect to said gas pools if there is no objection thereto.

WHEREFORE, Applicant respectfully requests this matter to be set for hearing as prescribed by law, and that upon notice and hearing the Commission issue its Order authorizing the conducting of maximum pressure build-up tests with respect to the wells listed in Exhibit "A" hereto located in the Blanco-Mesaverde, Aztec-Pictured Cliffs, Ballard-Pictured Cliffs, Fulcher Kutz-Pictured Cliffs and South Blanco-Pictured Cliffs Gas Pools located in San Juan and Rio Arriba Counties, New Mexico, and such substitute tests as Applicant may in its discretion deem necessary to conduct after first having obtained administrative approval therefor, and the noncancellation and/or transfer of allowables for all wells involved in such testing program in the manner herein described, or in such manner as the Commission shall deem necessary and proper.

Garrett C. Whitworth  
Garrett C. Whitworth  
Attorney for Applicant

## EXHIBIT "A"

of

Application Filed with

The Oil Conservation Commission of the State of New Mexico

Wells Proposed  
To Be Shut-InLocation of Wells  
Unit Section Township Range N.M.P.M.BLANCO-MESAVERDE GAS POOL

✓ Atlantic #5-A	L	26	31-N	10-W
✓ Atlantic #8-A	A	29	31-N	10-W
✓ Barnes #7	K	23	32-N	11-W
✓ Barrett #2	B	19	31-N	9-W
✓ Gartner #2	G	28	30-N	8-W
✓ Hughes #1	M	19	29-N	8-W
✓ Lucerne #2-A	B	9	31-N	10-W
✓ McElvain #1-A (30-6 Unit)	A	23	30-N	7-W
✓ Riddle #2	L	3	30-N	9-W
✓ San Juan Unit 28-6 #37	K	6	27-N	6-W
✓ San Juan Unit 28-7 #56	M	13	28-N	7-W
✓ Schwerdtfeger #1	M	27	31-N	9-W

AZTEC-PICTURED CLIFFS GAS POOL

✓ Ludwick #2	P	19	30-N	10-W
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BALLARD-PICTURED CLIFFS GAS POOL

✓ Quitzau #9	M	11	25-N	8-W
✓ Ballard #2-14	E	14	26-N	9-W
✓ Wilson #1-A	D	32	26-N	8-W

FULCHER KUTZ-PICTURED CLIFFS GAS POOL

✓ Omler #5	O	25	28-N	10-W
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SOUTH BLANCO-PICTURED CLIFFS GAS POOL

✓ Jicarilla #8-E	F	20	25-N	4-W
✓ Jicarilla #1-B	F	28	25-N	4-W

R-1065 '57  
R-1300 '58  
R-

12 months.

until stability of pressure  
is attained  
make up prod -  
comp of test, or  
date of deliverability  
whichever is later -

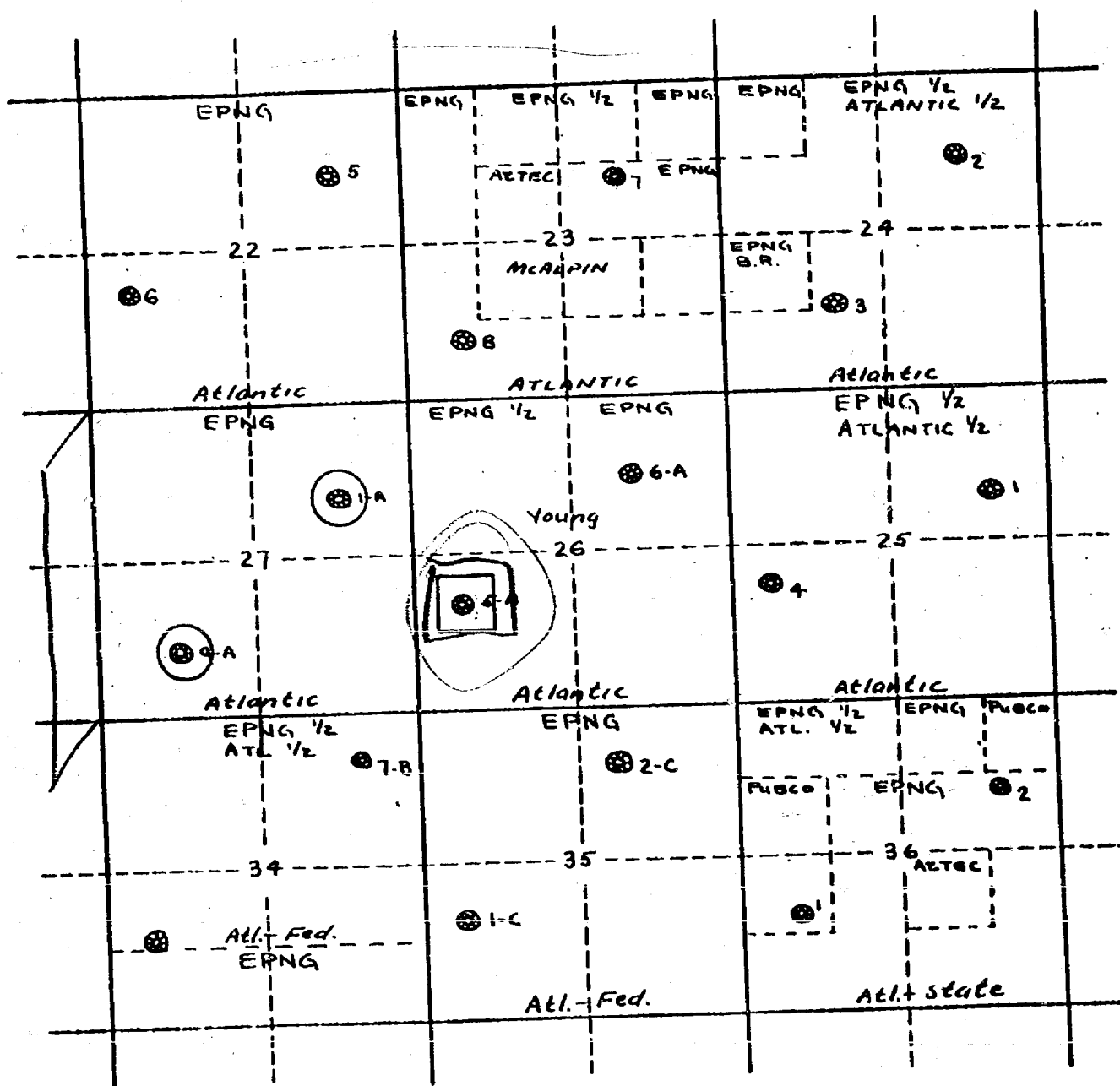
file for adminis  
approval for  
extension of time.

and prod  
meters  
pertaining  
to over  
+ under  
until end  
of 6 mos or  
following prod  
tests are compl.

San Juan COUNTY New Mexico

Blanco MV

TOWNSHIP 31-N RANGE 10-W



# EPNG PRESSURE BUILD-UP TEST

TEST WELL DATA BLANCO MESAVERDE POOL

Date: May 15, 1959

TEST WELL: Operator: El Paso Natural Gas Company Well Name & No. Atlantic #5-A

Location: 1650 fr. S, 990 fr. W lines, L Sec. 26 T. 31 N., R. 10 W

TD: 5464 Casing: 7" @ 4711 Tubing: 2" @ 5331

Completed: January 30, 1953

First Delivery: March 30, 1953

Pay Zone: Open Hole Interval: 4730-5464 or Perforations: \_\_\_\_\_

Stimulation: Shot W/1395 qts. SNG 4794-5464

SIPC: 1073 SIPT: 1073 DAYS SI: 33

I. P. Test: 3870 MCF, 3 hrs. \_\_\_\_\_ Choke: \_\_\_\_\_ MCF AOF thru tubing or casing

Current Deliverability: 430 MCF, Date Tested: 1958

## WELLS ON SAME BASIC LEASE

<u>Name</u>	<u>Location</u>	<u>Deliverability</u>	<u>Date of Test</u>
Atlantic #1-A	27-31-10	206	1959
Atlantic #9-A	27-31-10	2263	1959

Case No. 1685

Atlantic #5-A

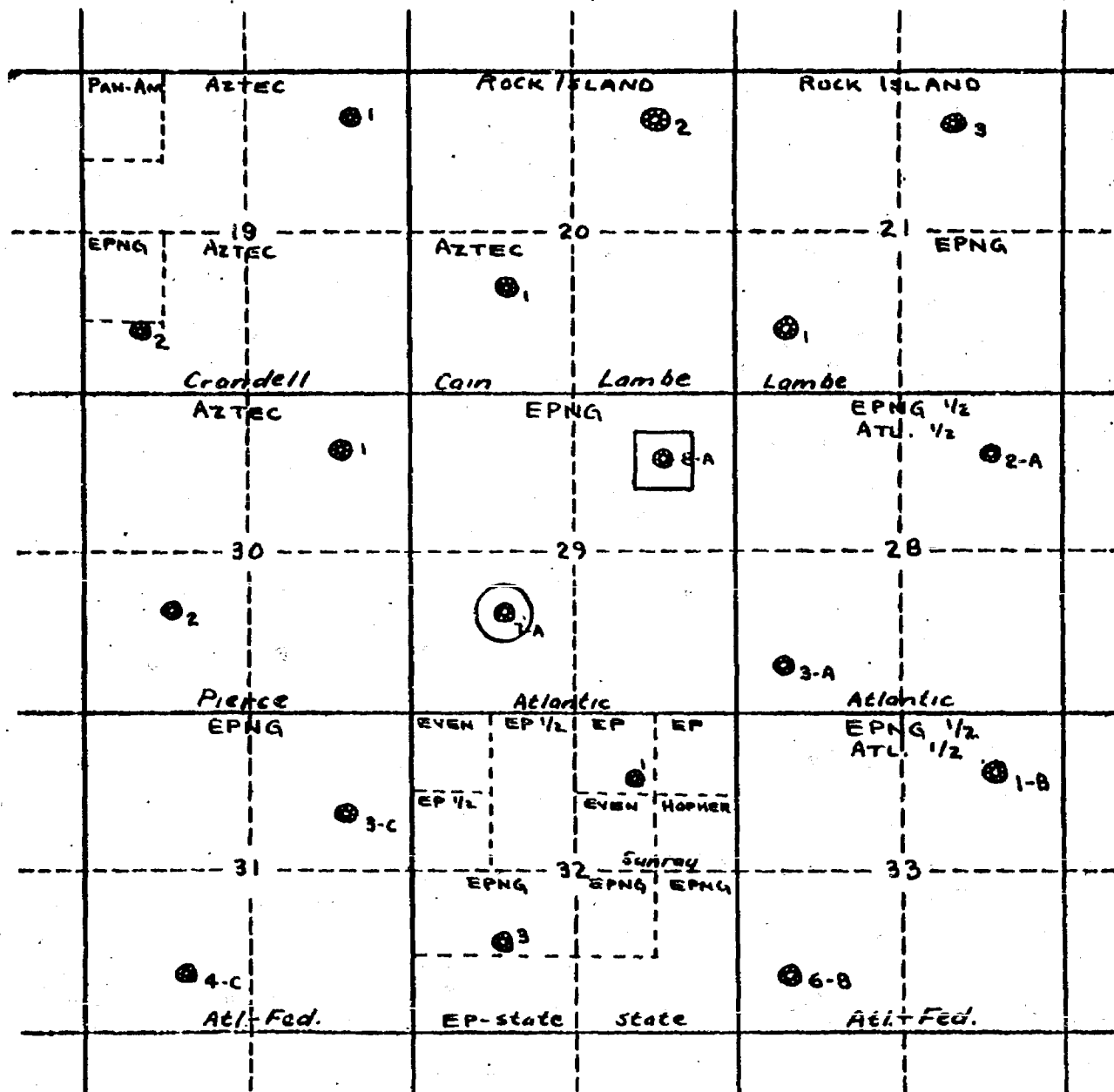
Exhibit B-2

Proration Department

San Juan COUNTY New Mexico

Blanco MV

TOWNSHIP 31-N RANGE 10-W



Case No. 1685  
Atlantic #A-8

Exhibit B-3

# EPNG PRESSURE BUILD-UP TEST

TEST WELL DATA BLANCO MESAVERDE POOL

Date: May 15, 1959

TEST WELL: Operator: El Paso Natural Gas Company Well Name & No. Atlantic #8-A

Location: 990 fr. N, 987 fr. E lines, A Sec. 29 T. 31 N., R. 11 W

TD: 5145 Casing: 7" @ 4310 Tubing: 2" @ 5042

Completed: June 6, 1955 First Delivery: June 27, 1955

Pay Zone: Open Hole Interval: 4358-5075 or Perforations: \_\_\_\_\_

Stimulation: Sand-oil frac.

SIPC: 1030 SIPT: 1034 DAYS SI: 11

I. P. Test: 7158 MCF, 3 hrs. \_\_\_\_\_ Choke: \_\_\_\_\_ MCF AOF thru tubing or casing

Current Deliverability: 1166 MCF, Date Tested: 1958

## WELLS ON SAME BASIC LEASE

<u>Name</u>	<u>Location</u>	<u>Deliverability</u>	<u>Date of Test</u>
Atlantic #7-A	29-31-10	752	1958

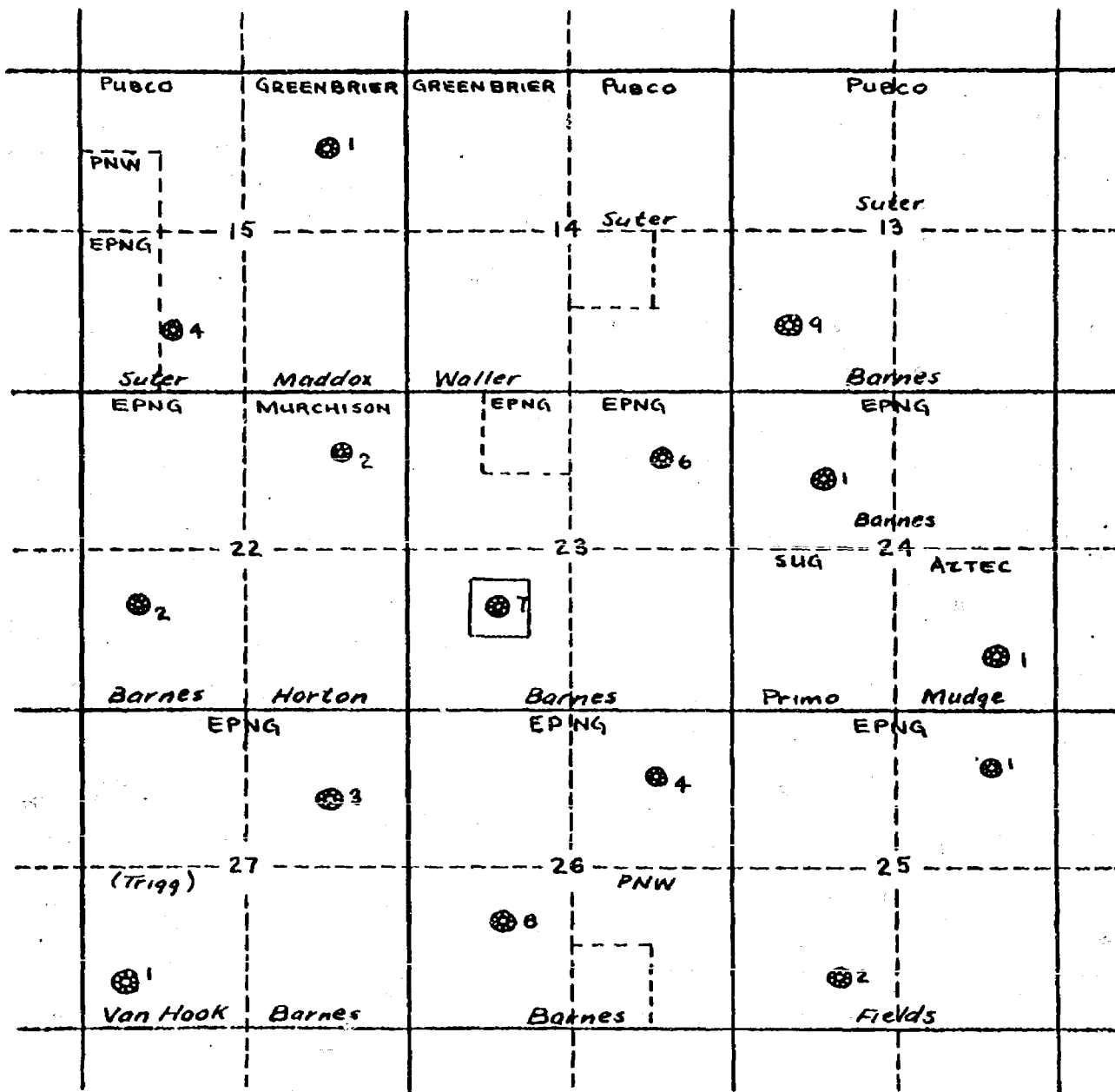
Case No. 1685  
Atlantic #8-A

Exhibit B-4

Proration Department

San Juan COUNTY New Mexico

Blanco MV

TOWNSHIP 32-N RANGE 11-W

Case No. 1685  
Barnes #7

Exhibit B-5



# EPNG PRESSURE BUILD-UP TEST

TEST WELL DATA BLANCO MESAVERDE POOL

Date: May 15, 1959

TEST WELL: Operator: El Paso Natural Gas Company Well Name & No. Barnes #7

Location: 1632 fr. S, 1500 fr. W lines, K Sec. 23 T. 32 N., R. 11 W

TD: 5511 Casing: 7" @ 4823 Tubing: 2" @ 5436

Completed: October 21, 1954 First Delivery: October 25, 1954

Pay Zone: Open Hole Interval: 4880-5511 or Perforations:

Stimulation: Sand-oil frac.

SIPC: 1047 SIPT: 1048 DAYS SI: 9

I.P. Test: 5190 MCF, 3 hrs.  Choke:  MCF AOF thru tubing or casing

Current Deliverability: 593 MCF, Date Tested: 1958

## WELLS ON SAME BASIC LEASE

<u>Name</u>	<u>Location</u>	<u>Deliverability</u>	<u>Date of Test</u>
None			

Case No. 1685  
Barnes #7

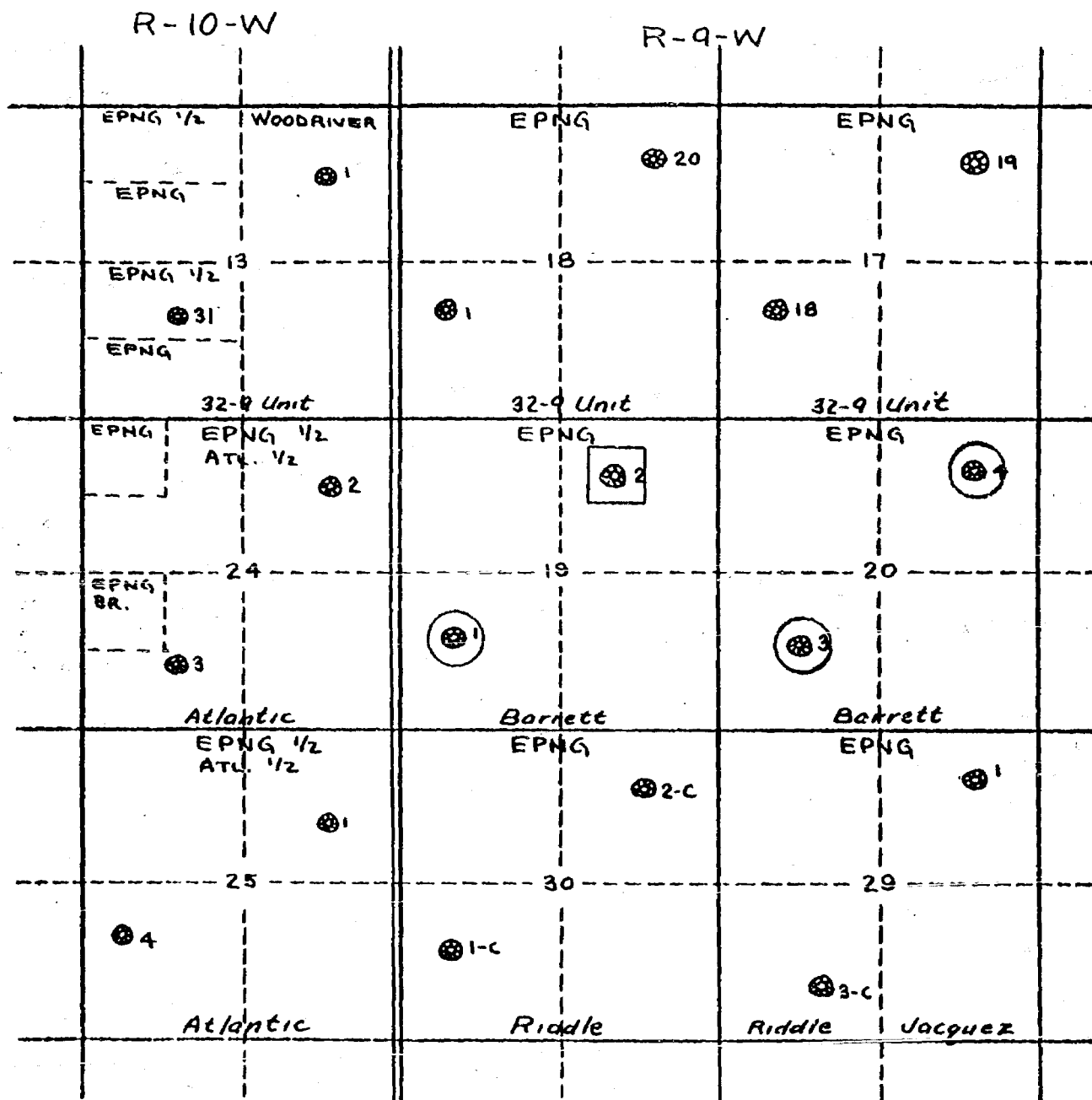
Exhibit B-6

Proration Department

San Juan COUNTY New Mexico

Blanco MV

TOWNSHIP 31-N RANGE 9-W



Case No. 1685

Barrett #2

Exhibit B-7

# BPNG PRESSURE BUILD-UP TEST

TEST WELL DATA BLANCO MESAVERDE POOL

Date: May 15, 1959

TEST WELL: Operator: El Paso Natural Gas Company Well Name & No. Barrett #2  
 Location: 790 fr. N, 1750 fr. E lines, B Sec. 19 T. 31 N., R. 9 W  
 TD: 5740 Casing: 7" @ 5081 Tubing: 2" @ 5652  
 Completed: April 1, 1954 First Delivery: April 6, 1954  
 Pay Zone: Open Hole Interval: 5122-5740 or Perforations: \_\_\_\_\_  
 Stimulation: Sand-oil frac.  
 SIPC: 1015 SIFT: 1014 DAYS SI: 7  
 I.P. Test: 5100 MCF, 3 hrs. \_\_\_\_\_ Choke: \_\_\_\_\_ MCF AOF thru tubing or casing  
 Current Deliverability: 1545 MCF, Date Tested: 1958

## WELLS ON SAME BASIC LEASE

<u>Name</u>	<u>Location</u>	<u>Deliverability</u>	<u>Date of Test</u>
Barrett #1	19-31-9	1055	1959
Barrett #3	20-31-9	765	1958
Barrett #4	20-31-9	265	1958

Case No. 1685  
 Barrett #2

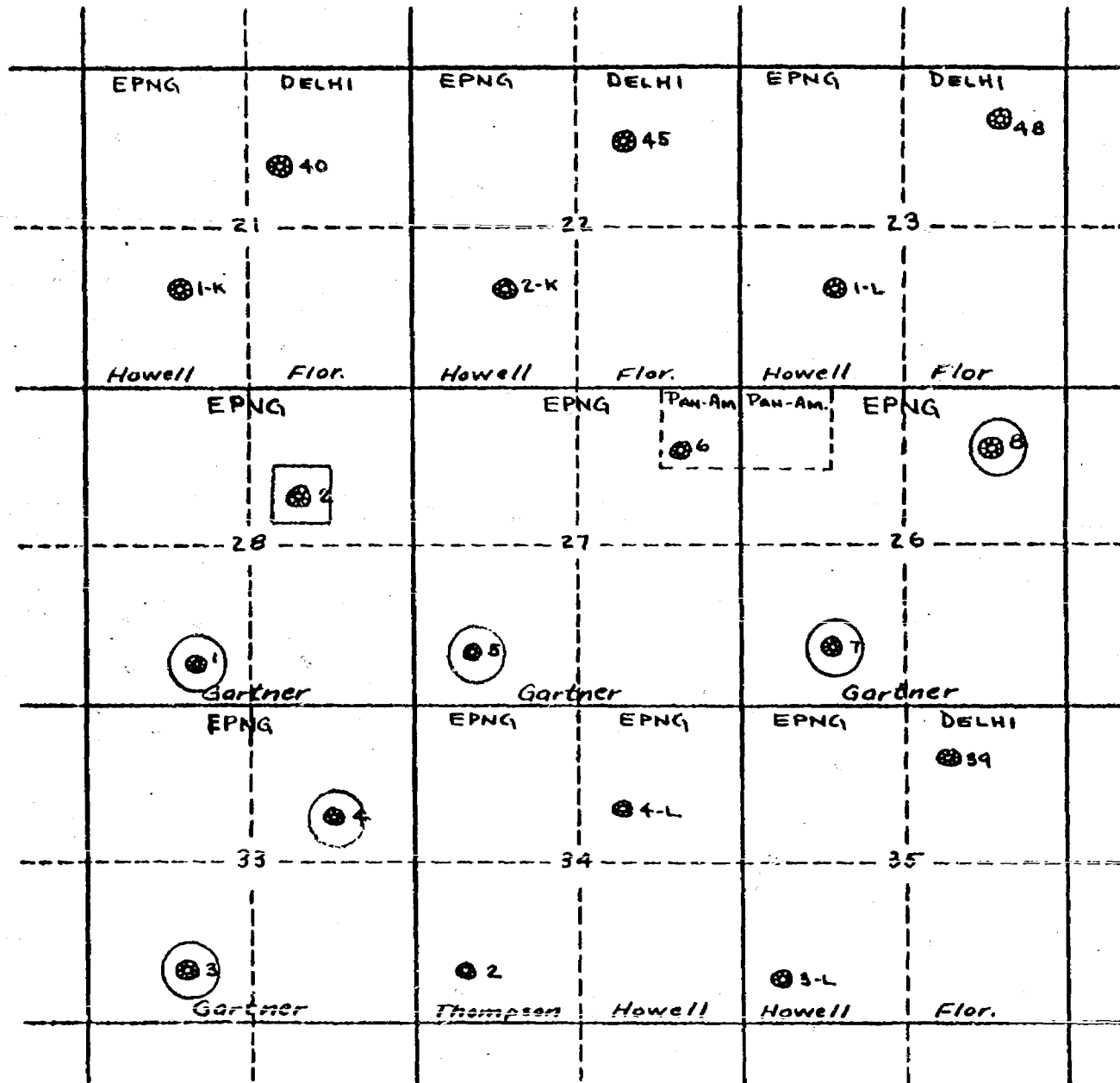
Exhibit B-8

Proration Department

San Juan COUNTY New Mexico

Blanco MV

TOWNSHIP 30-N RANGE 8-W



Case No. 1685

Gartner #2

Exhibit B-9

# BPNG PRESSURE BUILD-UP TEST

TEST WELL DATA BLANCO MESAVERDE POOL

Date: May 15, 1959

TEST WELL: Operator: El Paso Natural Gas Company Well Name & No. Gartner #2  
 Location: 1650 fr. N, 1500 fr. E lines, G Sec. 28 T. 30 N., R. 8 W  
 TD: 5361 Casing: 7" @ 4528 Tubing: 2" @ 4679  
 Completed: October 10, 1951 First Delivery: March 24, 1952  
 Pay Zone: Open Hole Interval: 4555-5361 or Perforations: \_\_\_\_\_  
 Stimulation: Shot  
 SIPC: 975 SIPT: 1024 DAYS SI: 3  
 I. P. Test: 4640 MCF, 3 hrs. \_\_\_\_\_ Choke: \_\_\_\_\_ MCF AOF thru tubing or casing  
 Current Deliverability: 812 MCF, Date Tested: 1958

## WELLS ON SAME BASIC LEASE

<u>Name</u>	<u>Location</u>	<u>Deliverability</u>	<u>Date of Test</u>
Gartner #1	28-30-8	1620	1959
Gartner #3	33-30-8	2480	1959
Gartner #4	33-30-8	2090	1959
Gartner #5	27-30-8	2062	1959
Gartner #7	26-30-8	1510	1959
Gartner #8	26-30-8	2658	1959

Case No. 1685  
 Gartner #2

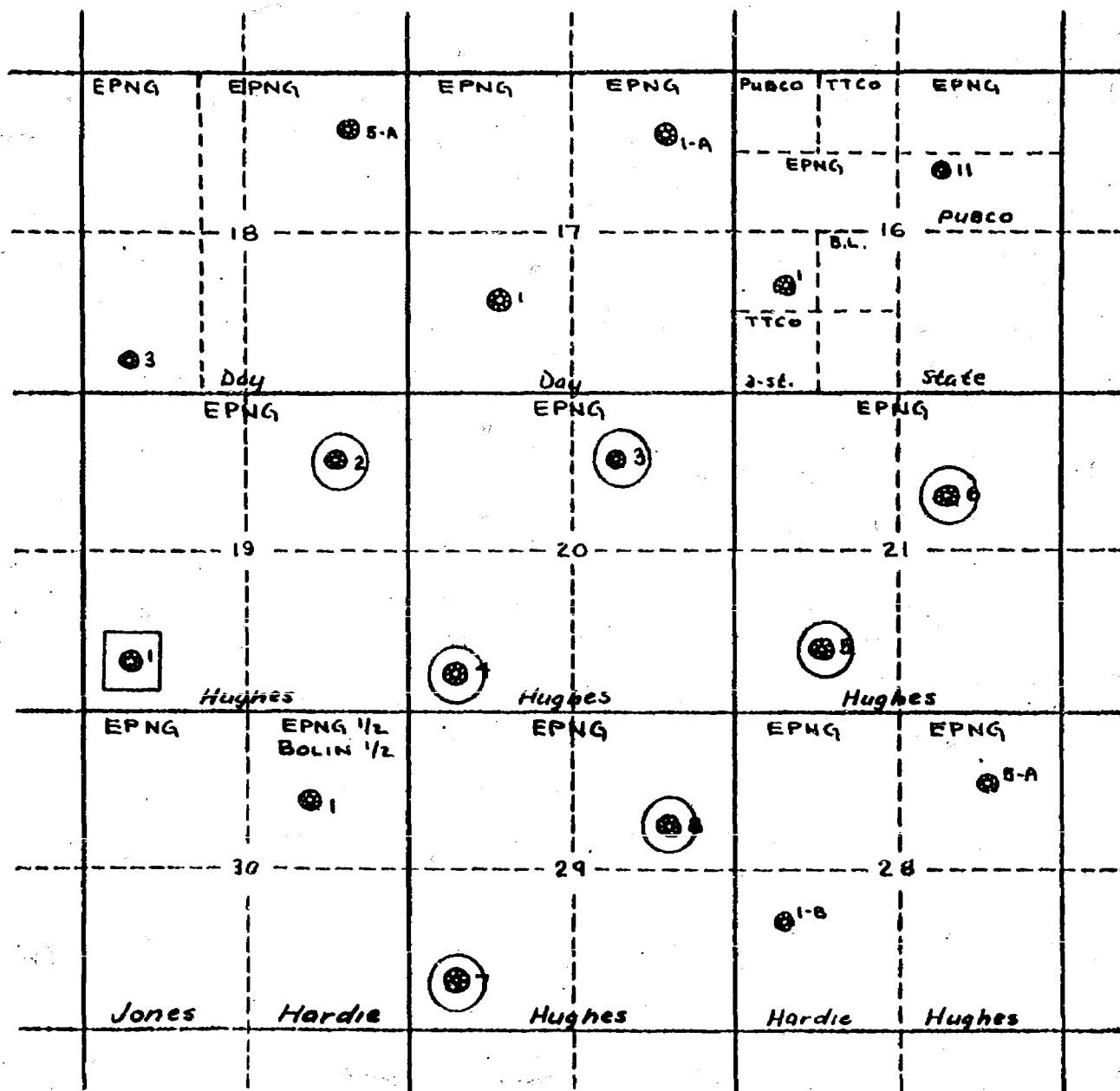
Exhibit B-10

Proration Department

SAN JUAN COUNTY New Mexico

Blanco MIV

TOWNSHIP 29-N RANGE 8-W



Case No. 1685  
Hughes #1

Exhibit B-11

# EPNG PRESSURE BUILD-UP TEST

TEST WELL DATA BLANCO MESAVERDE POOL

Date: May 15, 1959

TEST WELL: Operator: El Paso Natural Gas Company Well Name & No. Hughes #1

Location: 990 fr. S, 990 fr. W lines, M Sec. 19 T. 29 N., R. 8 W

TD: 5505 Casing: 7" @ 5146 Tubing: 2" @ 5240

Completed: April 10, 1951 First Delivery: May 8, 1952

Pay Zone: Open Hole Interval: 5146-5505 or Perforations:

Stimulation: Shot w/1150 qts. SNG 5303-5505

SIPC: 990 SIPT: 987 DAYS SI: 7

I. P. Test: 3500 MCF, 3 hrs.  Choke:  MCF AOF thru tubing or casing

Current Deliverability: 471 MCF, Date Tested: 1958

## WELLS ON SAME BASIC LEASE

<u>Name</u>	<u>Location</u>	<u>Deliverability</u>	<u>Date of Test</u>
Hughes #2	19-29-8	643	1958
Hughes #3	20-29-8	748	1958
Hughes #4	20-29-8	670	1958
Hughes #5	21-29-8	258	1958
Hughes #6	21-29-8	274	1959
Hughes #7	29-29-8	164	1958
Hughes #8	29-29-8	299	1958

Case No. 1685

Hughes #1

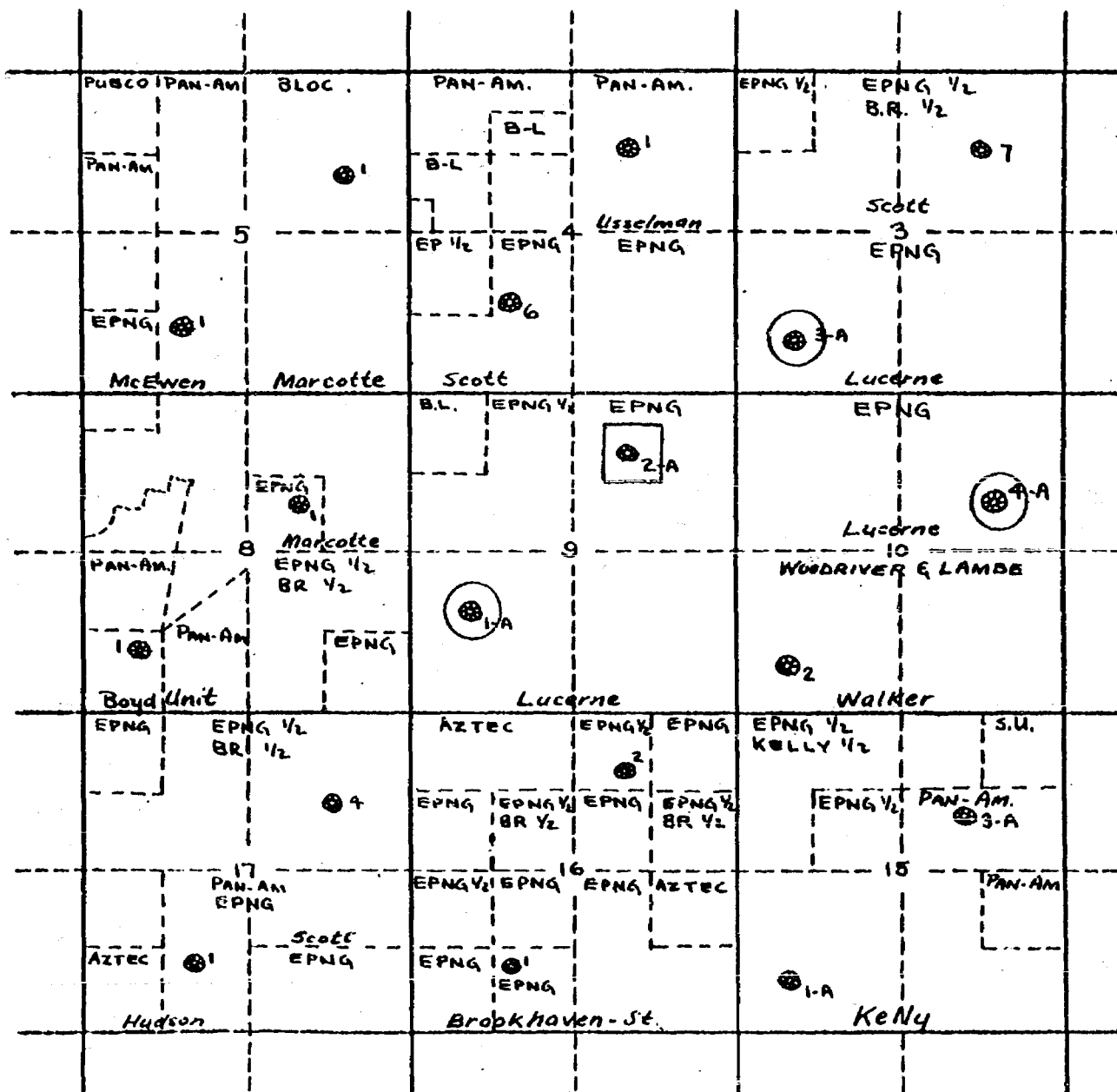
Exhibit B-12

Proration Department

San Juan COUNTY New Mexico

Blanco M V

TOWNSHIP 31-N RANGE 10-W



Case No. 1685

Lucerne #A-2

Exhibit B-13



# EPNG PRESSURE BUILD-UP TEST

TEST WELL DATA BLANCO MESAVERDE POOL

Date: May 15, 1959

TEST WELL: Operator: El Paso Natural Gas Company Well Name & No. Lucerne #A-2  
 Location: 890 fr. N, 1650 fr. E lines, B Sec. 9 T. 31 N., R. 10 W  
 TD: 5360 Casing: 7" @ 4655 Tubing: 2" @ 5271  
 Completed: September 16, 1954 First Delivery: October 18, 1954  
 Pay Zone: Open Hole Interval: 4670-5360 or Perforations: \_\_\_\_\_  
 Stimulation: Sand-oil frac.  
 SIPC: 1010 SIPT: 1006 DAYS SI: 7  
 I. P. Test: 3848 MCF, 3 hrs. \_\_\_\_\_ Choke: \_\_\_\_\_ MCF AOF thru tubing or casing  
 Current Deliverability: 672 MCF, Date Tested: 1958

## WELLS ON SAME BASIC LEASE

<u>Name</u>	<u>Location</u>	<u>Deliverability</u>	<u>Date of Test</u>
Lucerne #1-A	9-31-10	1708	1959
Lucerne #3-A	3-31-10	1040	1959
Lucerne #4-A	10-31-10	835	1959

Case No. 1685

Lucerne #A-2

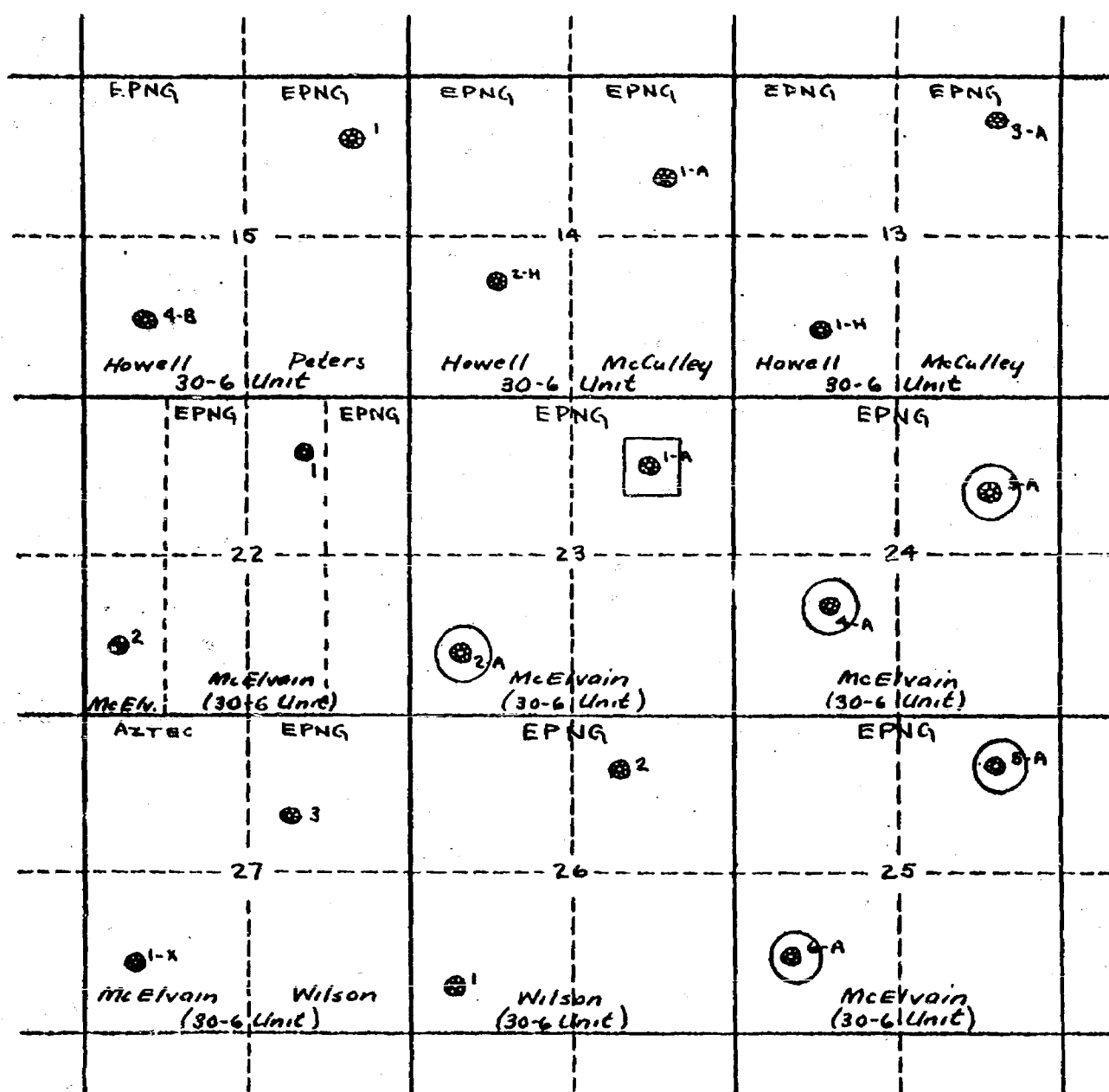
Exhibit B-14

Proration Department

Rio Arriba COUNTY New Mexico

Blanco MV

TOWNSHIP 30-N RANGE 7-W



Case No. 1685  
 SJU 30-6 (McElvain) #A-1

Exhibit B-15

# EPNG PRESSURE BUILD-UP TEST

TEST WELL DATA BLANCO MESAVERDE MOOL

Date: May 15, 1959

(SJU 30-6)

TEST WELL: Operator: El Paso Natural Gas Company Well Name & No. McElvain #A-1

Location: 1190 fr. N, 1190 fr. E lines, A Sec. 23 T. 30 N., R. 7 W

TD: 5485 Casing: 5" @ 4792 Tubing: 2" @ 5460

Completed: April 2, 1953 First Delivery: August 11, 1953

Pay Zone: Open Hole Interval: 4914-5485 or Perforations:

Stimulation: Shot w/500 qts. SNG 5150-5485

SIPC: 1127 SIPT: 1126 DAYS SI: 11

I. P. Test: 3780 MCF, 3 hrs.  Choke:  MCF AOF thru tubing or casing

Current Deliverability: 1162 MCF, Date Tested: 1958

## WELLS ON SAME BASIC LEASE

<u>Name</u>	<u>Location</u>	<u>Deliverability</u>	<u>Date of Test</u>
McElvain #2-A	23-30-7	192	1958
#3-A	24-30-7	140	1958
#4-A	24-30-7	146	1958
#5-A	25-30-7	292	1958
#6-A	25-30-7	340	1958

Case No. 1685  
McElvain #A-1 (SJU 30-6)

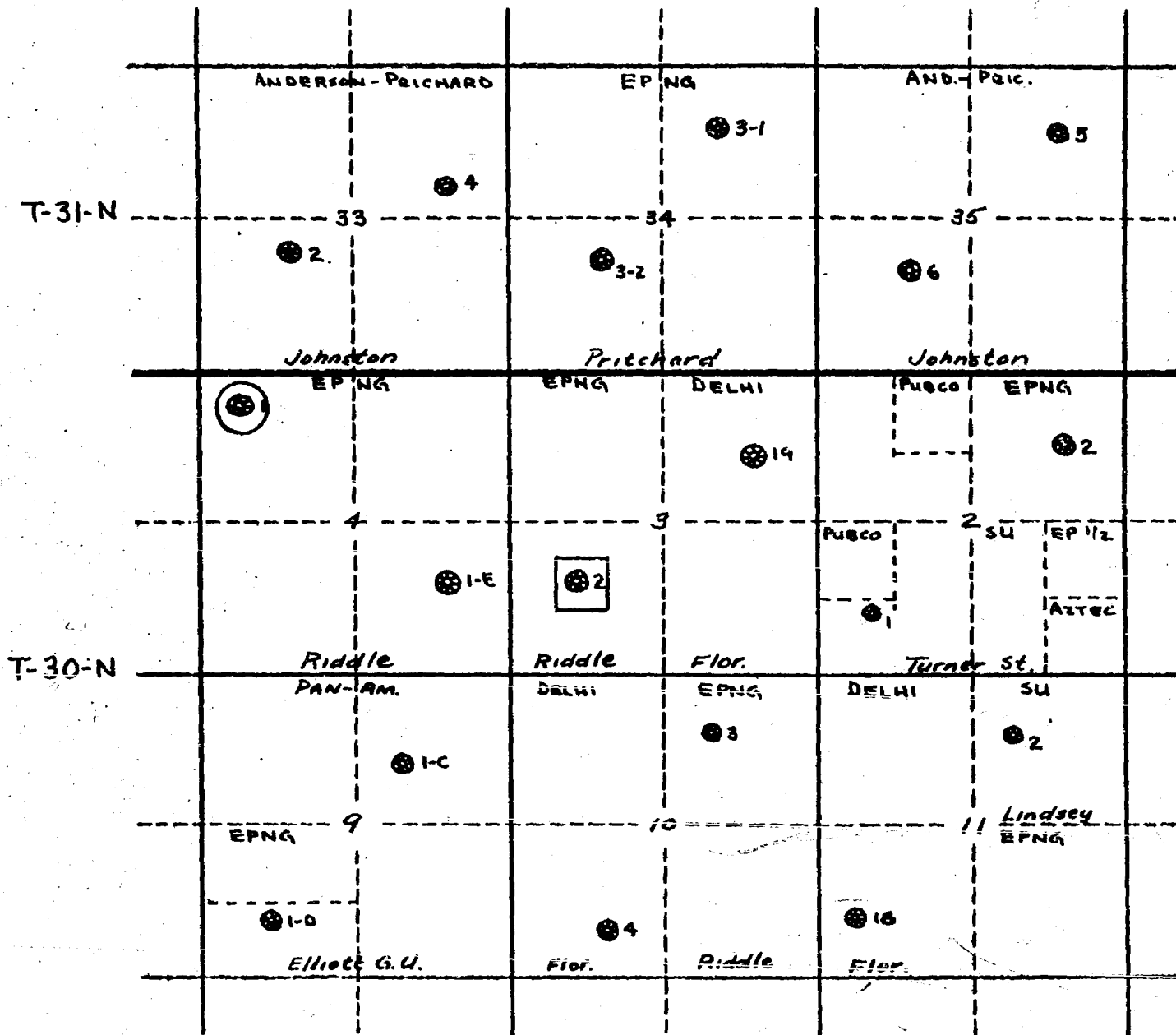
Proration Department

Exhibit B-16

San Juan COUNTY New Mexico

Blanco MV

TOWNSHIP 30-N RANGE 9-W



Case No. 1685  
Riddle #2

Exhibit B-17

**EPNG PRESSURE BUILD-UP TEST**

TEST WELL DATA BLANCO MESAVERDE POOL

Date: May 15, 1959

TEST WELL: Operator: El Paso Natural Gas Company Well Name & No. Riddle #2  
 Location: 1650 fr. S, 990 fr. W lines, L Sec. 3 T. 30 N., R. 9 W  
 TD: 5203 Casing: 7" @ 4507 Tubing: 2" @ 5190  
 Completed: July 16, 1953 First Delivery: August 13, 1953  
 Pay Zone: Open Hole Interval: 4531-5171 or Perforations: \_\_\_\_\_  
 Stimulation: Shot w/1615 qts. SNG 4553-5203  
 SIPC: 1074 SIPT: 1074 DAYS SI: 22  
 I. P. Test: 2986 MCF, 3 hrs. \_\_\_\_\_ Choke: \_\_\_\_\_ MCF AOF thru tubing or casing  
 Current Deliverability: 567 MCF, Date Tested: 1958

WELLS ON SAME BASIC LEASE

<u>Name</u>	<u>Location</u>	<u>Deliverability</u>	<u>Date of Test</u>
H. K. Riddle #1	4-30-9	1951	1959

Case No. 1685  
 Riddle #2

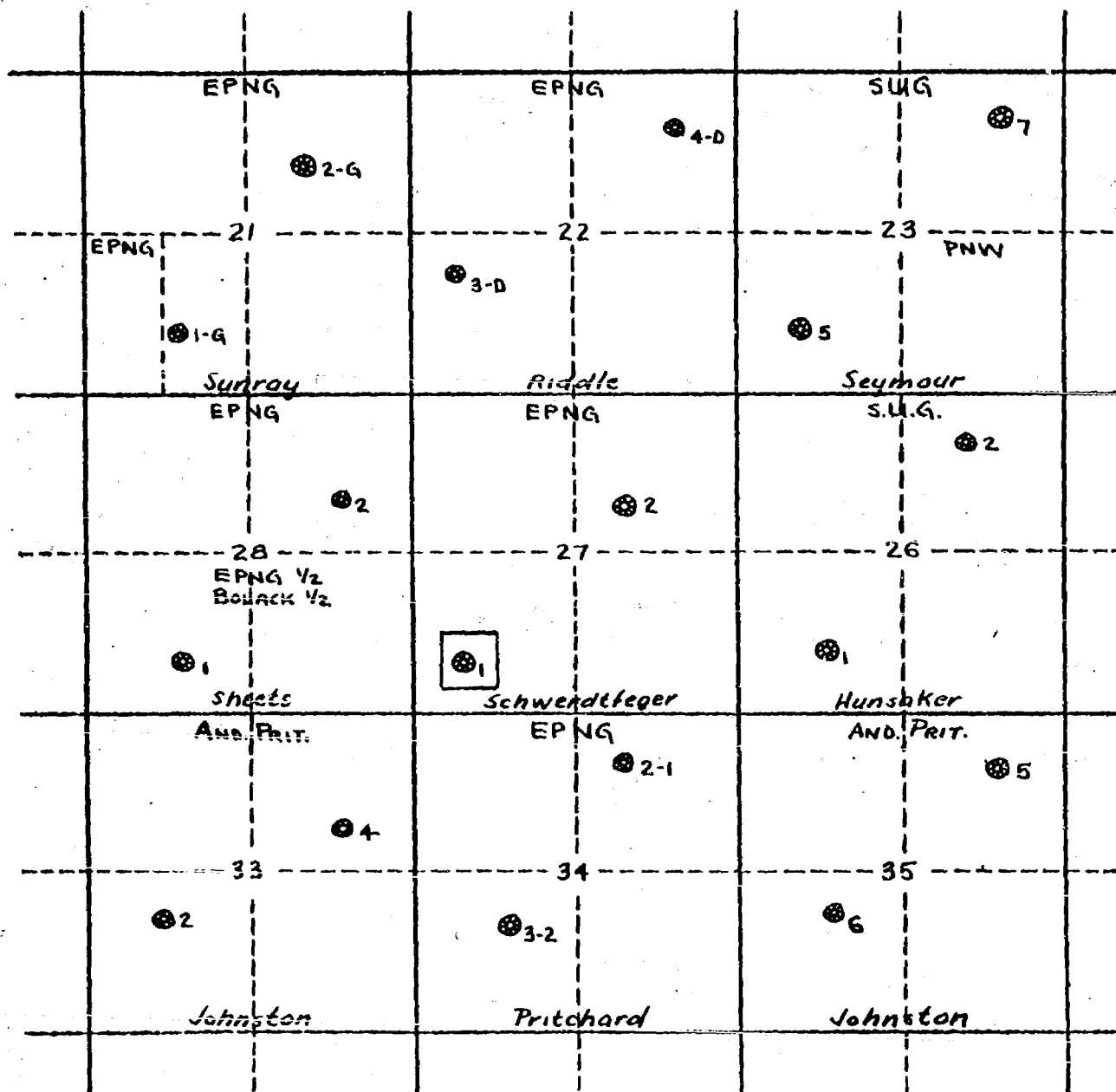
Proration Department

Exhibit B-18

San Juan COUNTY New Mexico

Blanco MV

TOWNSHIP 31-N RANGE 9-W



Case No. 1685  
Schwerdtfeger # 27-31-9

Exhibit B-19

# BPNG PRESSURE BUILD-UP TEST

TEST WELL DATA BLANCO MESAVERDE POOL

Date: May 15, 1959

TEST WELL: Operator: El Paso Natural Gas Company Well Name & No. Schwerdtfeger #1  
 Location: 990 fr. W, 990 fr. S lines, M Sec. 27 T. 31 N., R. 9 W  
 TD: 5350 Casing: 5-1/2" @ 4410 Tubing: 2" @ 5250  
 Completed: May 31, 1952 First Delivery: August 3, 1952  
 Pay Zone: Open Hole Interval: 4644-5334 or Perforations: \_\_\_\_\_  
 Stimulation: Shot w/1680 qts. SNG 4634-5344  
 SIPC: 1067 SIPT: \_\_\_\_\_ DAYS SI: 36  
 I. P. Test: 7920 MCF, 3 hrs. \_\_\_\_\_ Choke: \_\_\_\_\_ MCF AOF thru tubing or casing  
 Current Deliverability: 1974 MCF, Date Tested: 1959

## WELLS ON SAME BASIC LEASE

<u>Name</u>	<u>Location</u>	<u>Deliverability</u>	<u>Date of Test</u>
None			

Case No. 1685  
Schwerdtfeger #1

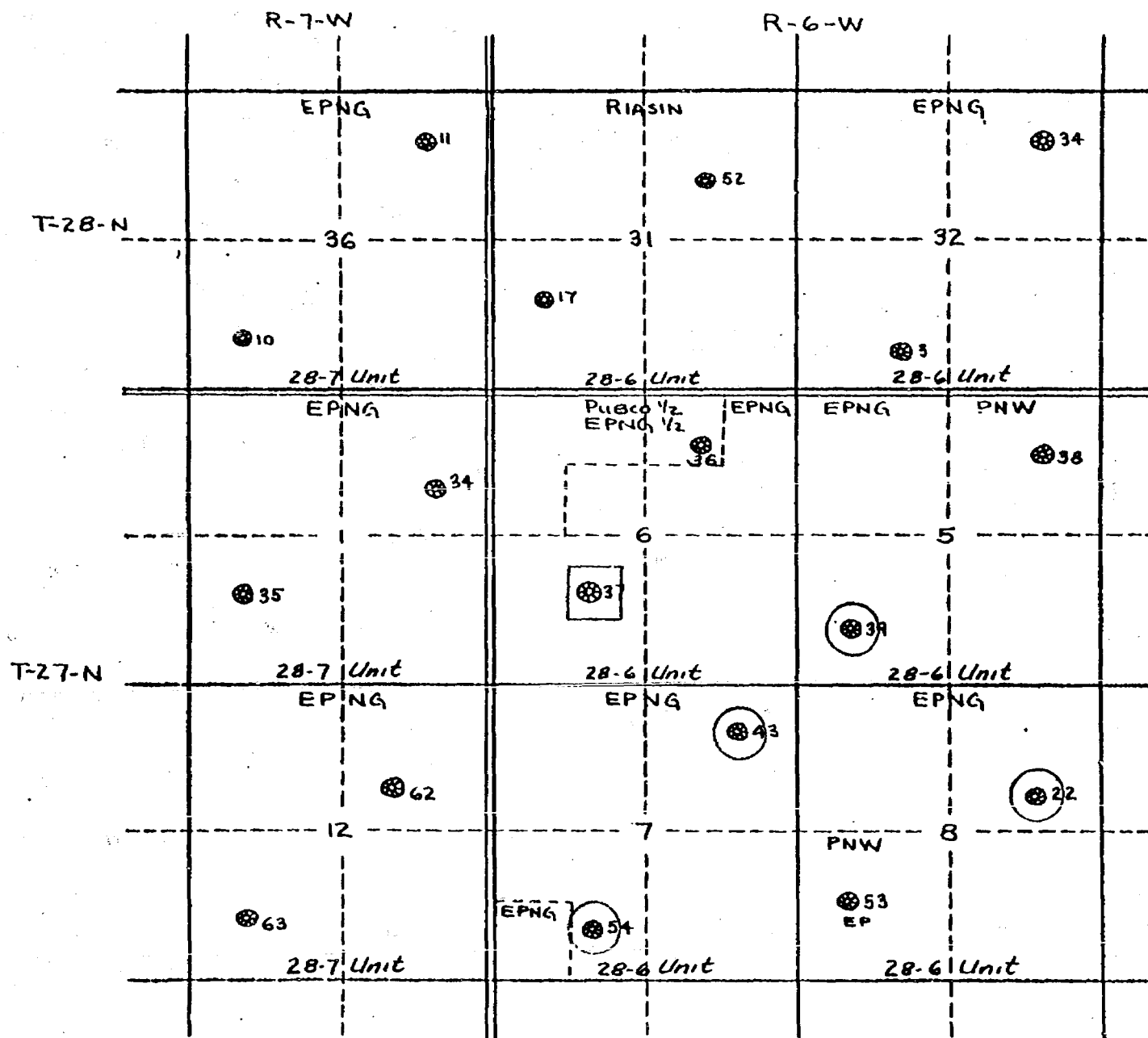
Proration Department

Exhibit B-20

Rio Arriba COUNTY New Mexico

Blanco MV

TOWNSHIP 27-N RANGE 6-W



Case No. 1685

SJU 28-6 #37

Exhibit B-21



# EPNG PRESSURE BUILD-UP TEST

TEST WELL DATA BLANCO MESAVERDE POOL

Date: May 15, 1959

TEST WELL: Operator: El Paso Natural Gas Company Well Name & No. SJU 28-6 #37

Location: 1650 fr. S, 1650 fr. W lines, K Sec. 6 T. 27 N., R. 6 W

TD: 5165 Casing: 5-1/2" @ 5165 Tubing: 2" @ 5062

Completed: October 21, 1955 First Delivery: December 8, 1955

Pay Zone: Open Hole Interval: \_\_\_\_\_ or Perforations: 4454-5143

Stimulation: Sand-water frac.

SIPC: 1095 SIPT: 1092 DAYS SI: 9

I. P. Test: 4742 MCF, 3 hrs. \_\_\_\_\_ Choke: \_\_\_\_\_ MCF AOF thru tubing or casing

Current Deliverability: 716 MCF, Date Tested: 1958

## WELLS ON SAME BASIC LEASE

<u>Name</u>	<u>Location</u>	<u>Deliverability</u>	<u>Date of Test</u>
SJU 28-6 #39	5-27-6	729	1958
SJU 28-6 #43	7-27-6	585	1958
SJU 28-6 #54	7-27-6	1675	1959
SJU 28-6 #22	8-27-6	303	1958

Case No. 1685

SJU 28-6 #37

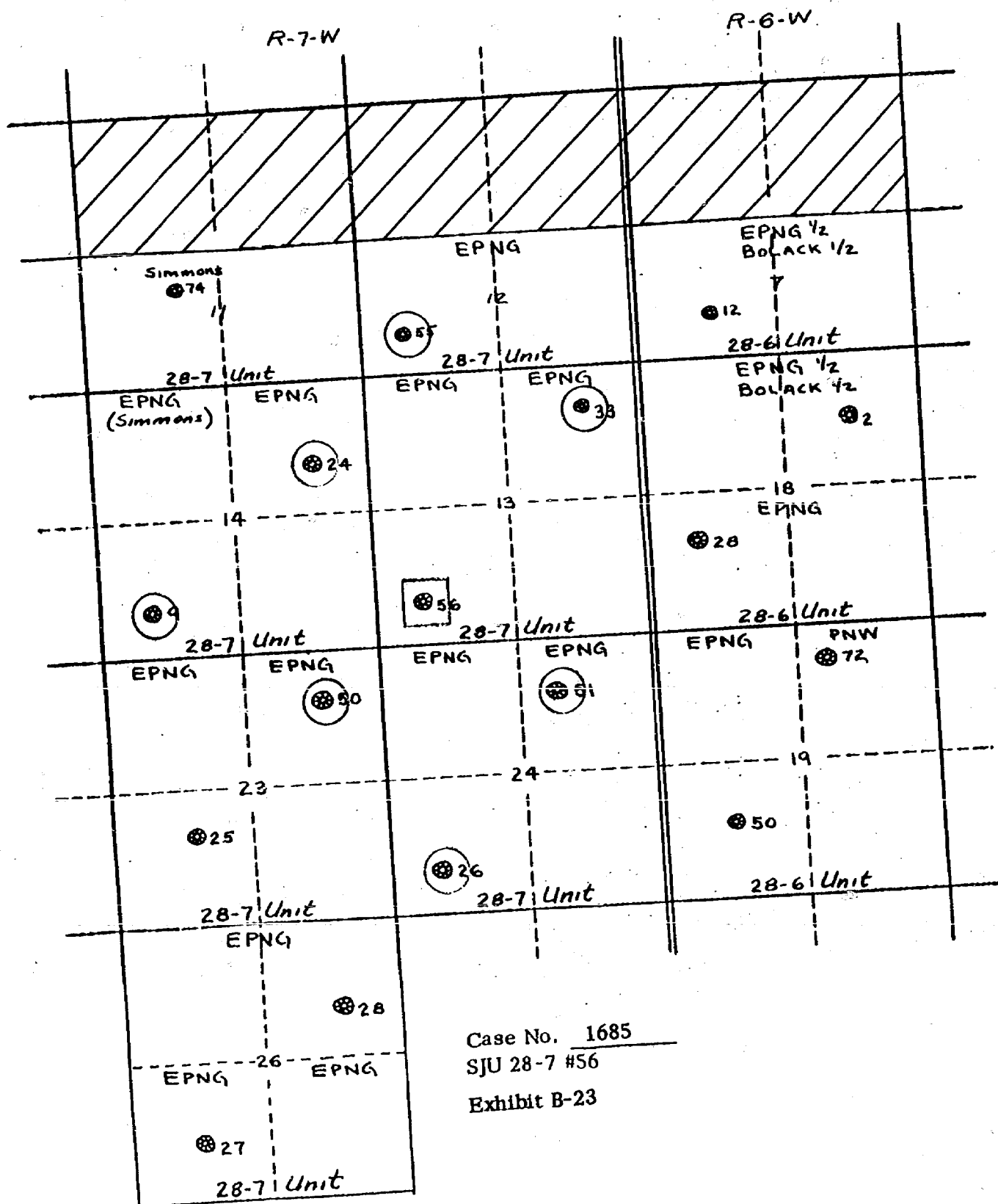
Exhibit B-22

Proration Department

Rio Arriba COUNTY New Mexico

Blanco MV

TOWNSHIP 28-N RANGE 7-W



# EPNG PRESSURE BUILD-UP TEST

TEST WELL DATA BLANCO MESAVERDE POOL

Date: May 15, 1959

TEST WELL: Operator: El Paso Natural Gas Company Well Name & No. SJU 28-7 #56  
 Location: 980 fr. S, 1000 fr. W lines, M Sec. 13 T. 28 N., R. 7 W  
 TD: 5755 Casing: 5-1/2" @ 5755 Tubing: 2" @ 5671  
 Completed: May 31, 1956 First Delivery: August 30, 1956  
 Pay Zone: Open Hole Interval: 5072-5710 or Perforations: \_\_\_\_\_  
 Stimulation: Sand-water frac.  
 SIPC: 1076 SIPT: 1060 DAYS SI: 8  
 I. P. Test: 4497 MCF, 3 hrs. Choke: 8059 MCF AOF thru tubing or casing  
 Current Deliverability: 792 MCF, Date Tested: 1958

## WELLS ON SAME BASIC LEASE

<u>Name</u>	<u>Location</u>	<u>Deliverability</u>	<u>Date of Test</u>
SJU 28-7 #33	13-28-7	897	1959
SJU 28-7 #51	24-28-7	583	1958
SJU 28-7 #26	24-28-7	100	1958
SJU 28-7 #50	23-28-7	391	1958
SJU 28-7 #9	14-28-7	NGP (18)	1958 (1957)
SJU 28-7 #24	14-28-7	252	1958
SJU 28-7 #55	12-28-7	2110	1958

Case No. 1685  
SJU 28-7 #56

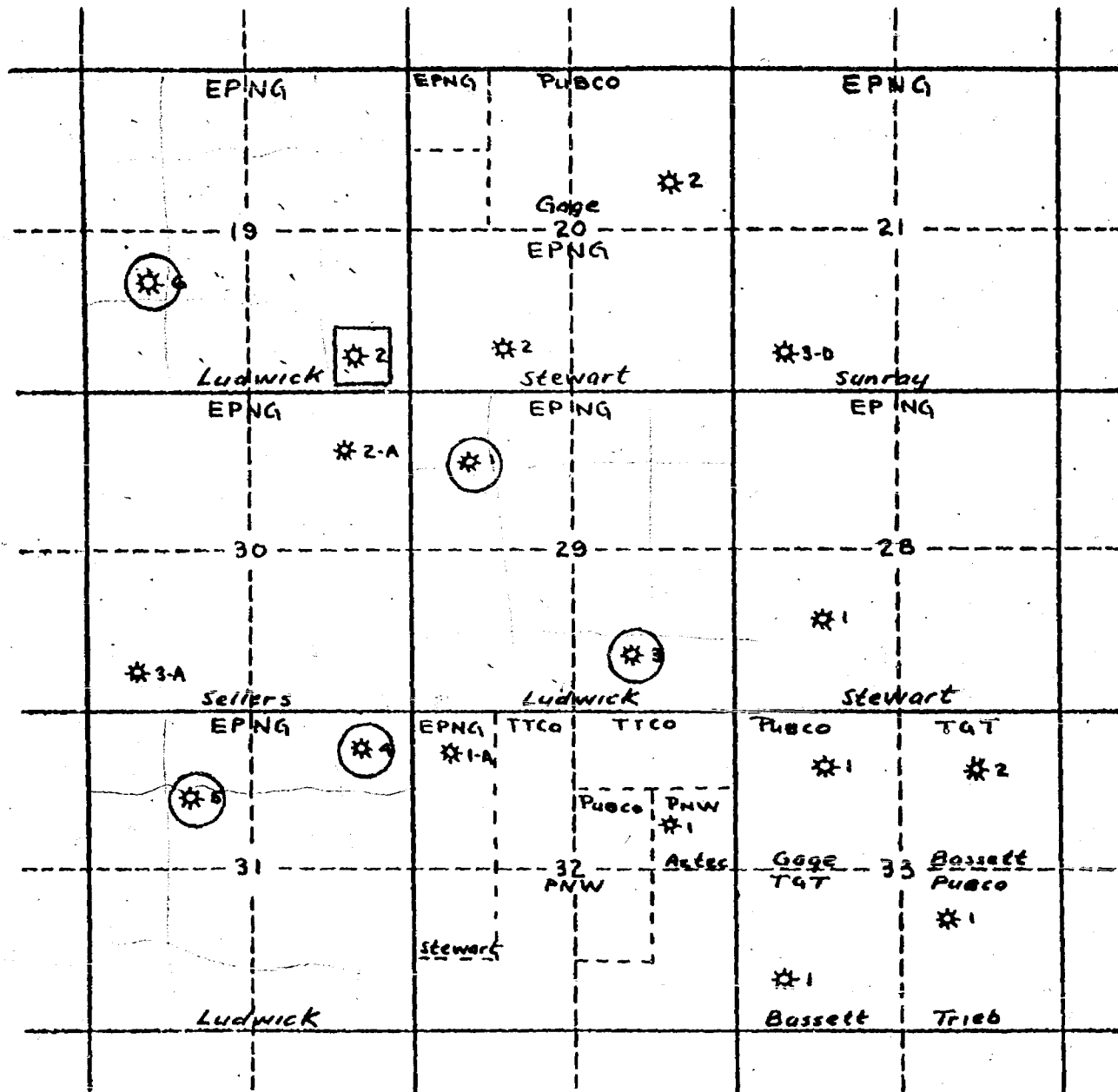
Proration Department

Exhibit B-24

San Juan COUNTY New Mexico

Aztec PC

TOWNSHIP 30-N RANGE 10-W



Case No. 1685  
Ludwick #2

Exhibit B-25

# BPNG PRESSURE BUILD-UP TEST

TEST WELL DATA AZTEC PICTURED CLIFFS POOL

Date: May 15, 1959

TEST WELL: Operator: El Paso Natural Gas Company Well Name & No. Ludwick #2

Location: \_\_\_\_\_ fr. \_\_\_\_\_, \_\_\_\_\_ fr. \_\_\_\_\_ lines, \_\_\_\_\_ P \_\_\_\_\_ Sec. 19 T. 30 N., R. 10 W

TD: 2795 Casing: 5-1/2" @ 2646 Tubing: 1" @ 2709

Completed: October 10, 1951 First Delivery: June 9, 1952

Pay Zone: Open Hole Interval: 2675-2795 or Perforations: \_\_\_\_\_

Stimulation: Shot w/350 qts. SNG

SIPC: 653 SIPT: \_\_\_\_\_ DAYS SI: 3

I. P. Test: 2830 MCF, 3 hrs. \_\_\_\_\_ Choke: \_\_\_\_\_ MCF AOF thru tubing or casing

Current Deliverability: 265 MCF, Date Tested: 1958

## WELLS ON SAME BASIC LEASE

<u>Name</u>	<u>Location</u>	<u>Deliverability</u>	<u>Date of Test</u>
Ludwick #1	29-30-10	330	1959
#3	29-30-10	357	1959
#4	31-30-10	118	1959
#5	31-30-10	71	1959
#6	19-30-10	345	1959

Case No. 1685  
Ludwick #2

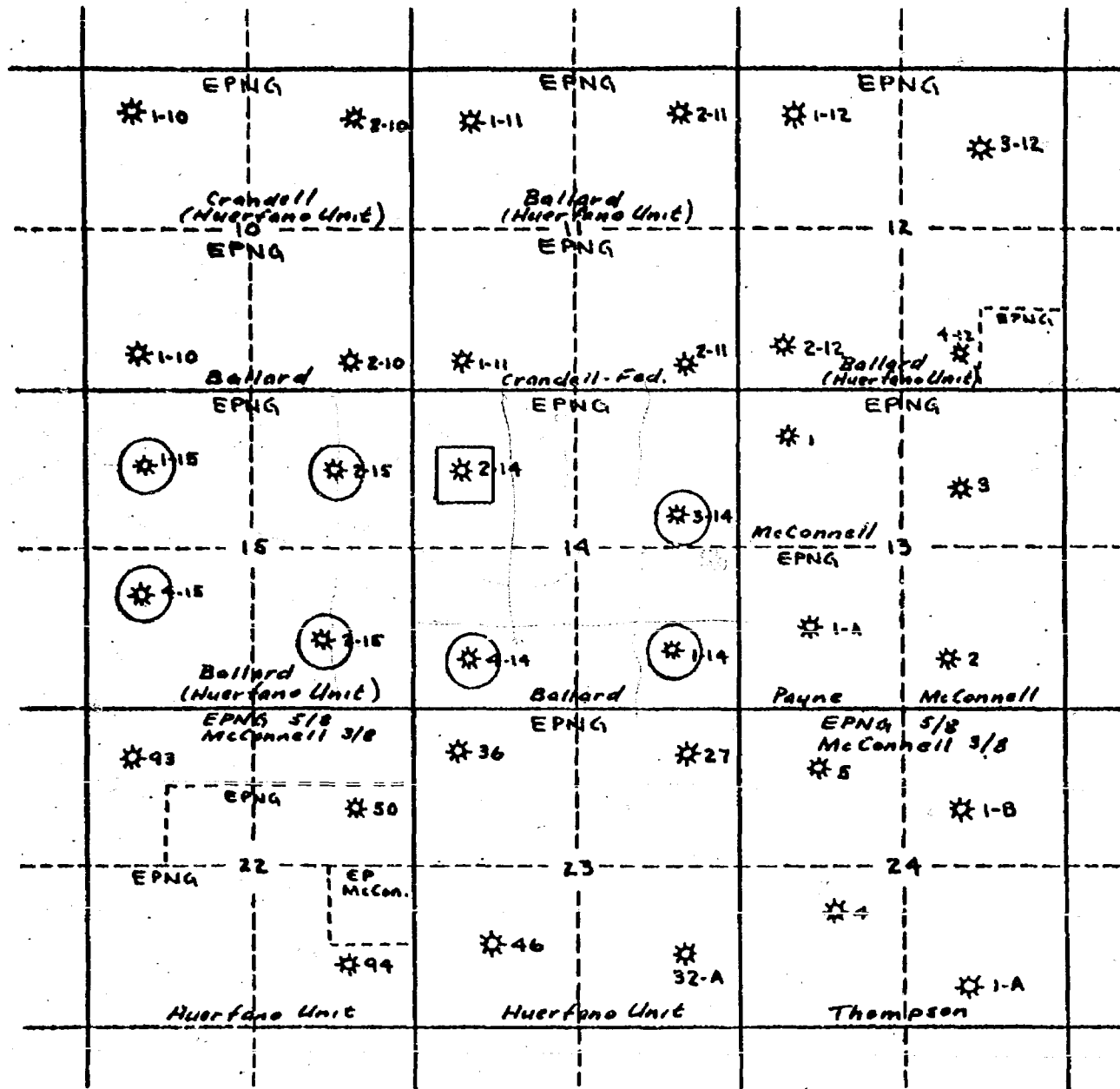
Proration Department

Exhibit B-26

San Juan COUNTY New Mexico

Ballard PC

TOWNSHIP 26-N RANGE 9-W



Case No. 1685

**Ballard #2-14**

Exhibit B-27

# EPNG PRESSURE BUILD-UP TEST

TEST WELL DATA BALLARD PICTURED CLIFFS POOL

Date: May 15, 1959

TEST WELL: Operator: El Paso Natural Gas Company Well Name & No. Ballard #2-14

Location: 1650 fr. N, 990 fr. W lines, E Sec. 14 T. 26 N., R. 9 W

TD: 2029 Casing: 5-1/2" @ 1994 Tubing: 1" @ 1996

Completed: August 15, 1954 First Delivery: October 1, 1954

Pay Zone: Open Hole Interval: 2000-2029 or Perforations: \_\_\_\_\_

Stimulation: Sand-oil frac.

SIPC: 656 SIPT: 657 DAYS SI: 11

I. P. Test: 2774 MCF, 3 hrs. \_\_\_\_\_ Choke: \_\_\_\_\_ MCF AOF thru tubing or casing

Current Deliverability: 308 MCF, Date Tested: 1958

## WELLS ON SAME BASIC LEASE

<u>Name</u>	<u>Location</u>	<u>Deliverability</u>	<u>Date of Test</u>
Ballard #1-14	14-26-9	379	1958
Ballard #3-14	14-26-9	168	1958
Ballard #4-14	14-26-9	335	1958
Ballard #1-15	15-26-9	385	1958
Ballard #2-15	15-26-9	388	1958
Ballard #3-15	15-26-9	185	1958
Ballard #4-15	15-26-9	87	1958

Case No. 1685

Ballard #2-14

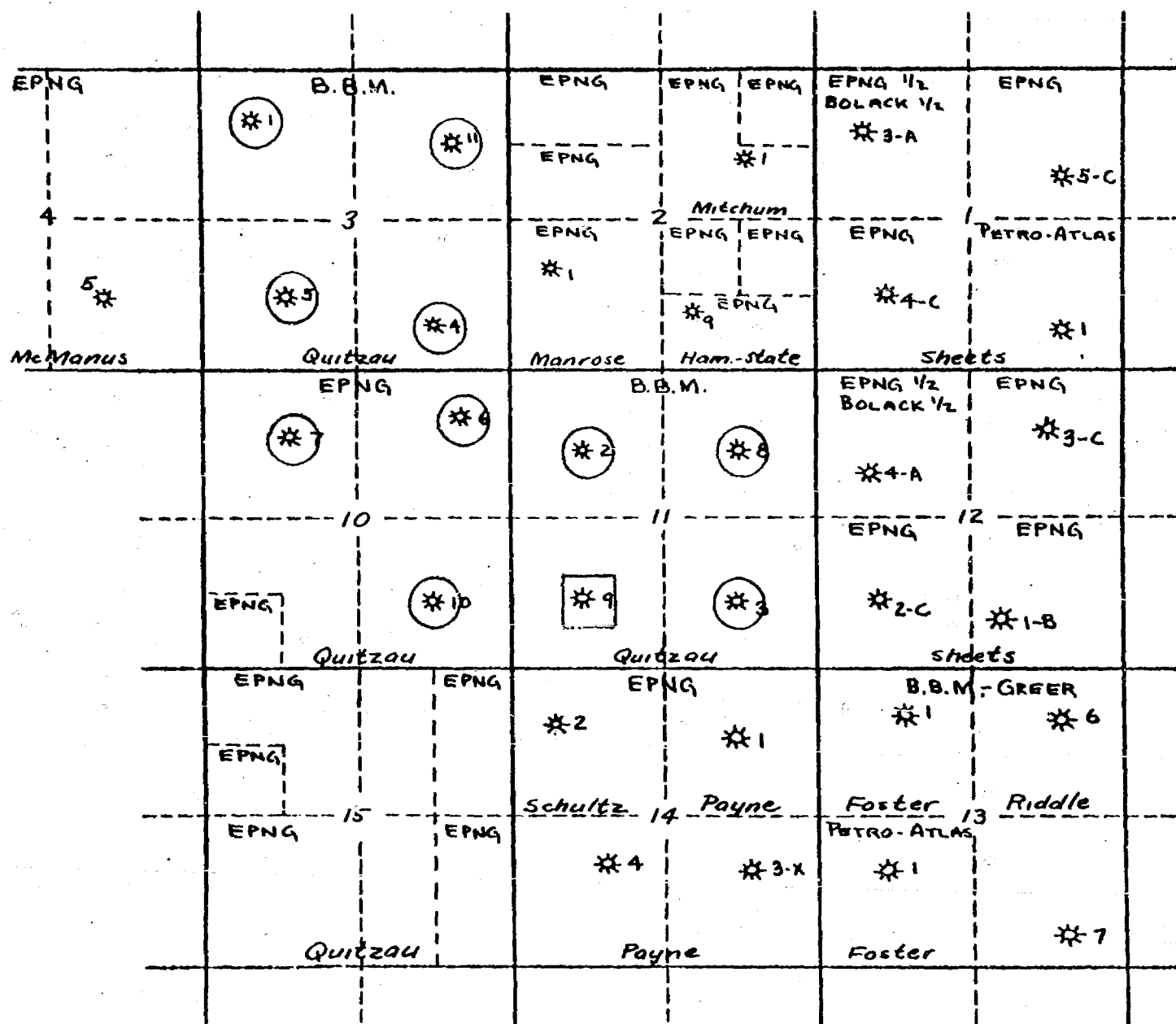
Exhibit B-28

Proration Department

San Juan COUNTY New Mexico

Ballard Pool

TOWNSHIP 25-N RANGE 8-W



Case No. 1685  
Quitza #9

Exhibit B-29



**EPNG PRESSURE BUILD-UP TEST**

**TEST WELL DATA** BALLARD PICTURED CLIFFS POOL

Date: May 15, 1959

TEST WELL: Operator: El Paso Natural Gas Company Well Name & No. Quitza #9

Location: 1171 fr. S, 1242 fr. W lines, K Sec. 11 T. 25 N., R. 8 W

TD: 2663 Casing: 5-1/2" @ 2618 Tubing: 1" @ 2631

Completed: January 6, 1956 First Delivery: March 12, 1956

Pay Zone: Open Hole Interval: 2613-2663 or Perforations: \_\_\_\_\_

Stimulation: Sand-oil frac.

SIPC: 608 SIPT: 609 DAYS SI: 9

I.P. Test: 4462 MCF, 3 hrs. \_\_\_\_\_ Choke: 6217 MCF AOF thru tubing or casing

Current Deliverability: 312 MCF, Date Tested: 1958

**WELLS ON SAME BASIC LEASE**

<u>Name</u>	<u>Location</u>	<u>Deliverability</u>	<u>Date of Test</u>
Quitza #1	3-25-8	154	1958
Quitza #2	11-25-8	628	1958
Quitza #3	11-25-8	628	1958
Quitza #4	3-25-8	620	1958
Quitza #5	3-25-8	1175	1958
Quitza #6	10-25-8	1106	1958
Quitza #7	10-25-8	229	1958
Quitza #8	11-25-8	225	1958
Quitza #10	10-25-8	324	1958
Quitza #11	3-25-8	595	1958

Case No. 1685

Quitza #9

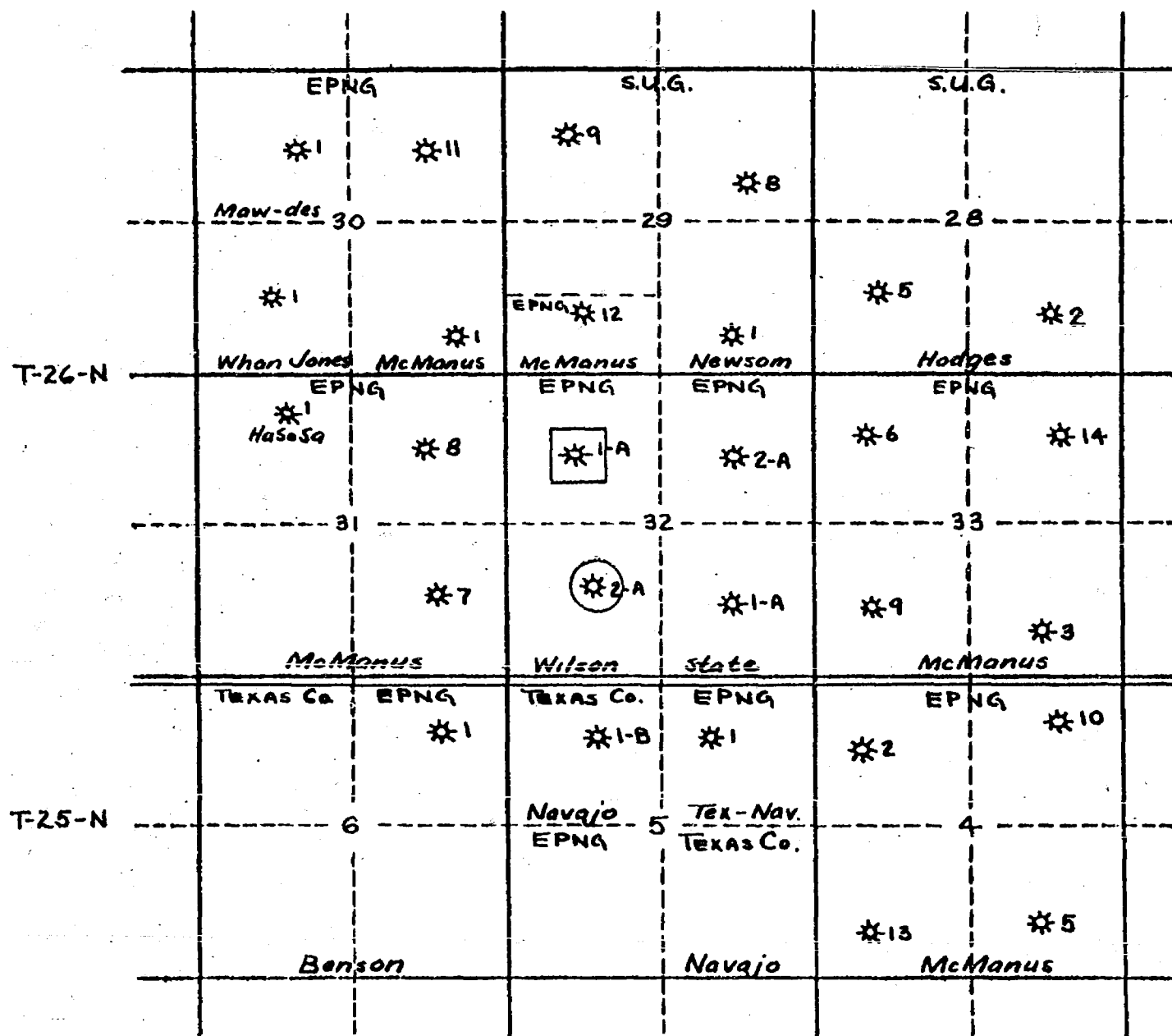
Exhibit B-30

Proration Department

San Juan COUNTY New Mexico

Ballard Pool

TOWNSHIP 26-N RANGE 8-W



Case No. 1685

Wilson #A-1

Exhibit B-31

# BPNG PRESSURE BUILD-UP TEST

TEST WELL DATA BALLARD PICTURED CLIFFS POOL

Date: May 15, 1959

TEST WELL: Operator: El Paso Natural Gas Company Well Name & No. Wilson #A-1  
 Location: 1296 fr. N, 1298 fr. W lines, F Sec. 32 T. 26 N., R. 8 W  
 TD: 2128 Casing: 5-1/2" @ 2050 Tubing: 1" @ 2113  
 Completed: August 15, 1954 First Delivery: April 25, 1955  
 Pay Zone: Open Hole Interval: 2046-2128 or Perforations: \_\_\_\_\_  
 Stimulation: Sand-oil frac.  
 SIPC: 612 SIPT: 613 DAYS SI: 44  
 I. P. Test: 3490 MCF, 3 hrs. \_\_\_\_\_ Choke: \_\_\_\_\_ MCF AOF thru tubing or casing  
 Current Deliverability: 510 MCF, Date Tested: 1958

## WELLS ON SAME BASIC LEASE

<u>Name</u>	<u>Location</u>	<u>Deliverability</u>	<u>Date of Test</u>
<u>Wilson #A-2</u>	<u>32-26-8</u>	<u>502</u>	<u>1958</u>

Case No. 1685  
Wilson #A-1

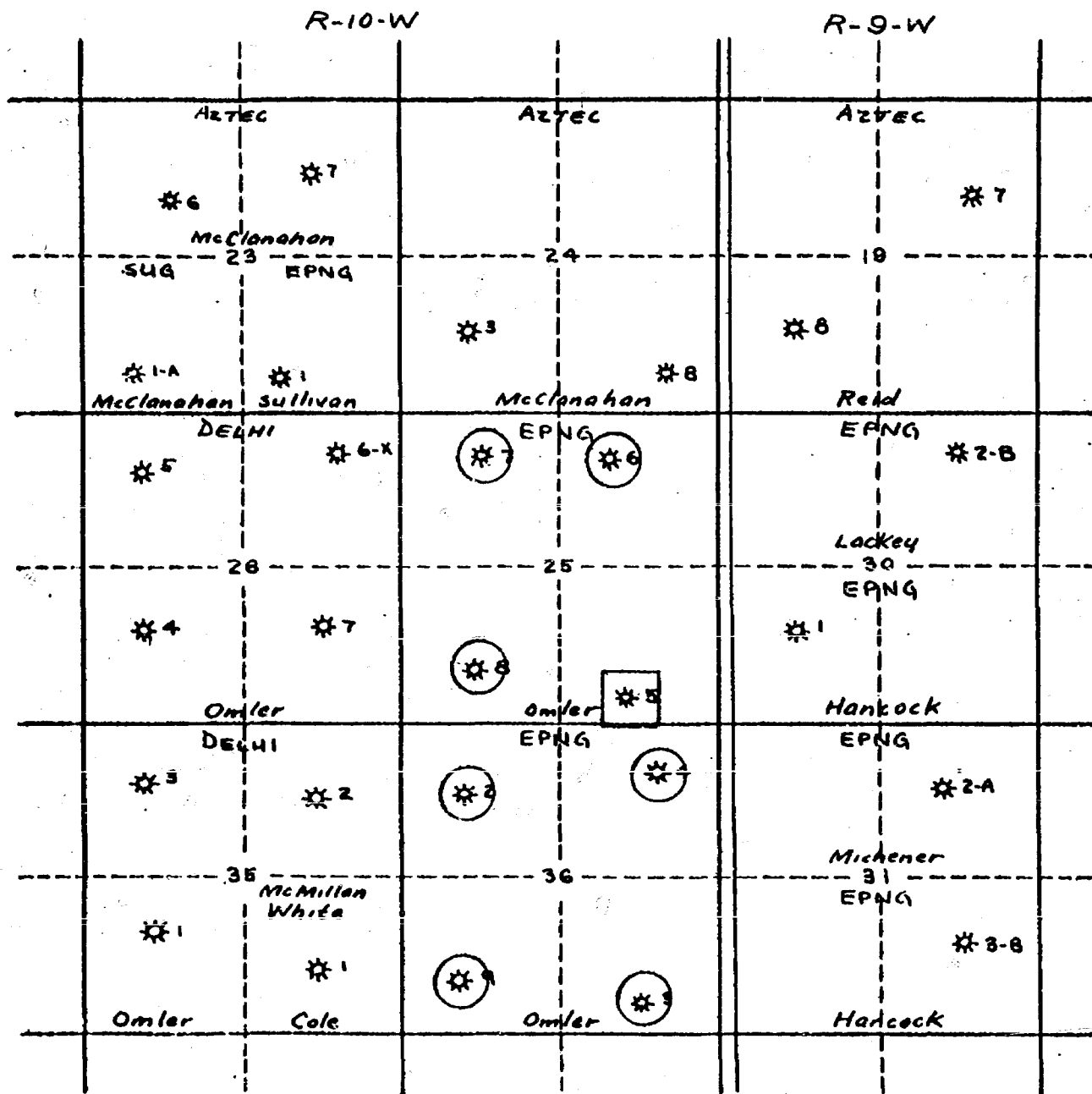
Exhibit B-32

Proration Department

San Juan COUNTY New Mexico

Fulcher Kutz PC

TOWNSHIP 28-N RANGE 10-W



Case No: 1685  
Omler #5

Exhibit B-33

# EPNG PRESSURE BUILD-UP TEST

## TEST WELL DATA FULCHER KUTZ PICTURED CLIFFS POOL

Date: May 15, 1959

TEST WELL: Operator: El Paso Natural Gas Company Well Name & No. Omler #5  
 Location: 1120 fr. S, 1650 fr. E lines, 0 Sec. 25 T. 28 N., R. 10 W.  
 TD: 1978 Casing: 5-1/2" @ 1935 Tubing: 1" @ 1928  
 Completed: December 22, 1954 First Delivery: January 25, 1955  
 Pay Zone: Open Hole Interval: 1935-1978 or Perforations: \_\_\_\_\_  
 Stimulation: Shot w/30 qts. SNG 1931-1963 and sand-oil fractured  
 SIPC: 629 SIPT: 629 DAYS SI: 12  
 I. P. Test: 1685 MCF, 3 hrs. \_\_\_\_\_ Choke: \_\_\_\_\_ MCF AOF thru tubing or casing  
 Current Deliverability: 127 MCF, Date Tested: 1958

## WELLS ON SAME BASIC LEASE

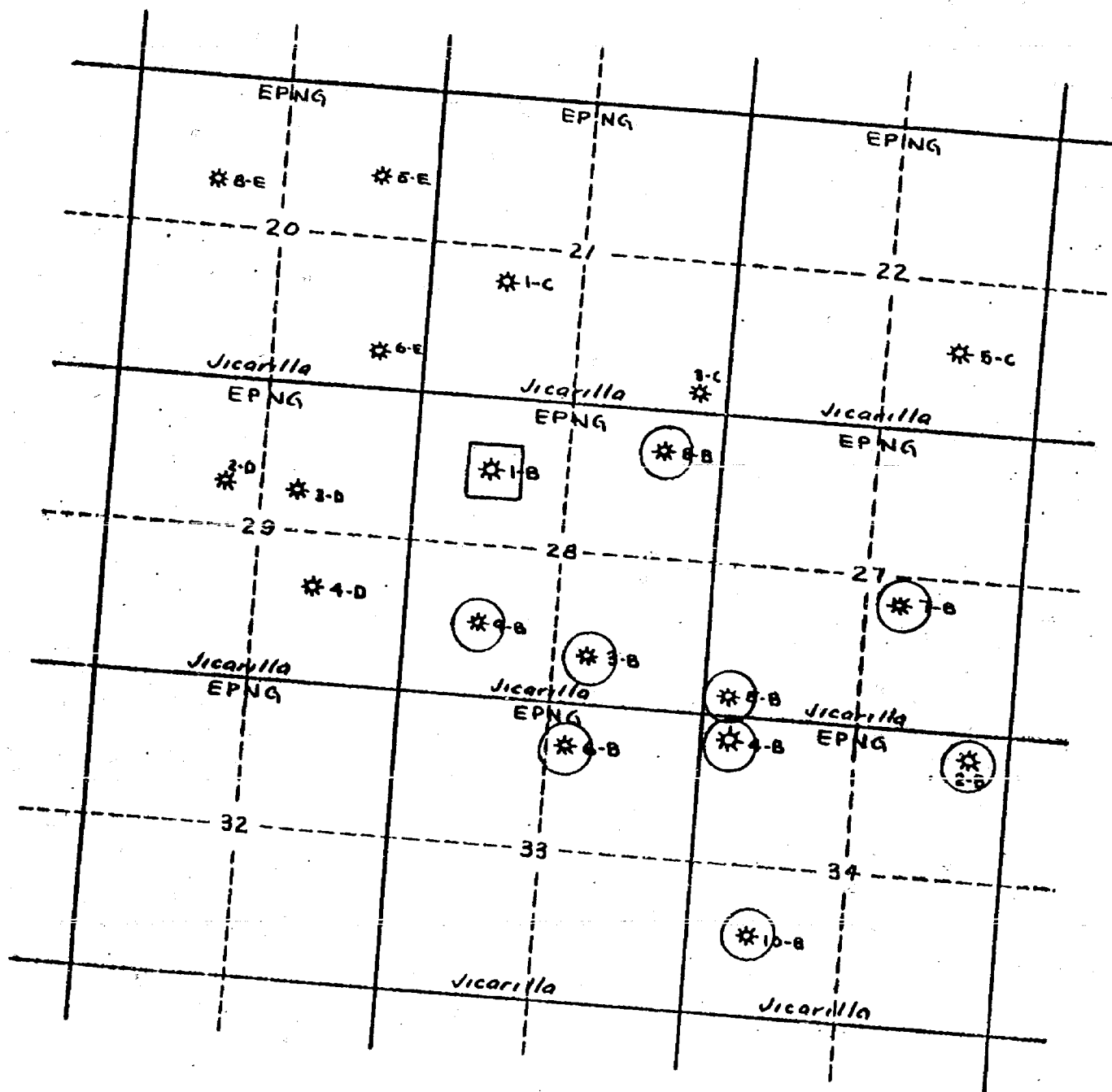
<u>Name</u>	<u>Location</u>	<u>Deliverability</u>	<u>Date of Test</u>
Omler #2	36-28-10	66	1958
Omler #3	36-28-10	94	1958
Omler #4	36-28-10	167	1958
Omler #6	25-28-10	114	1958
Omler #7	25-28-10	146	1958
Omler #8	25-28-10	187	1958
Omler #9	36-28-10	40	1958

Case No. 1685  
 Omler #5

Exhibit B-34

Proration Department

Rio Arriba COUNTY New Mexico  
So. Blanco Pool  
TOWNSHIP 25-N RANGE 4-W



Case No. 1685  
Jicarilla #1-B

Exhibit B-35

# EPNG PRESSURE BUILD-UP TEST

## TEST WELL DATA SOUTH BLANCO PICTURED CLIFFS POOL

Date: May 15, 1959

TEST WELL: Operator: El Paso Natural Gas Company Well Name & No. Jicarilla #1-B  
 Location: 1650 fr. N, 1650 fr. W lines, F Sec. 28 T. 25 N., R. 4 W  
 TD: 3350 Casing: 7" @ 3360 Tubing: 1-1/4" @ 3282  
 Completed: April 4, 1956 First Delivery: March 26, 1957  
 Pay Zone: Open Hole Interval: 3284-3308 or Perforations: 3284-3308  
 Stimulation: Water-sand frac.  
 SIPC: 995 SIPT: 995 DAYS SI: 15  
 I. P. Test: 10,340 MCF, 3 hrs. Choke: 21,300 MCF AOF thru tubing or casing  
 Current Deliverability: 1087 MCF, Date Tested: 1959

### WELLS ON SAME BASIC LEASE

<u>Name</u>	<u>Location</u>	<u>Deliverability</u>	<u>Date of Test</u>
Jicarilla #2-B	34-25-4	1160	1959
Jicarilla #3-B	28-25-4	705	1959
Jicarilla #4-B	34-25-4	3899	1959
Jicarilla #5-B	27-25-4	1225	1958
Jicarilla #6-B	33-25-4	2035	1959
Jicarilla #7-B	27-25-4	316	1958
Jicarilla #8-B	28-25-4	807	1958
Jicarilla #9-B	28-25-4	823	1959
Jicarilla #10-B	34-25-4	1614	1959

Case No. 1685  
 Jicarilla #1-B

Exhibit B-36

Proration Department





# EPNG PRESSURE BUILD-UP TEST

## TEST WELL DATA SOUTH BLANCO PICTURED CLIFFS POOL

Date: May 15, 1959

TEST WELL: Operator: El Paso Natural Gas Company Well Name & No. Jicarilla #8-E

Location: 2310 fr. N, 1363 fr. W lines, F Sec. 20 T. 25 N., R. 4 W

TD: 3395 Casing: 7" @ 3348 Tubing: 2" @ 3328

Completed: November 8, 1954 First Delivery: December 31, 1957

Pay Zone: Open Hole Interval: 3348-3395 or Perforations:

Stimulation: Sand-oil frac.

SIPC: 999 SIPT:  DAYS SI: 7

I.P. Test: 3156 MCF, 3 hrs.  Choke:  MCF AOF thru tubing or casing

Current Deliverability: 587 MCF, Date Tested: 1958

### WELLS ON SAME BASIC LEASE

<u>Name</u>	<u>Location</u>	<u>Deliverability</u>	<u>Date of Test</u>
Jicarilla #1-E	19-25-4	1908	1958
Jicarilla #2-E	19-25-4	1423	1958
Jicarilla #3-E	18-25-4	1434	1959
Jicarilla #4-E	18-25-4	2024	1959
Jicarilla #5-E	20-25-4	605	1959
Jicarilla #6-E	20-25-4	2312	1958
Jicarilla #9-E	19-25-4	2888	1959
Jicarilla #11-E	19-25-4	926	1959

Case No. 1685  
Jicarilla #8-E

Exhibit B-38

Proration Department

BEFORE THE  
OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

IN THE MATTER OF:

CASE 1685

TRANSCRIPT OF HEARING

JUNE 3, 1959

DEARNLEY - MEIER & ASSOCIATES  
INCORPORATED  
GENERAL LAW REPORTERS  
ALBUQUERQUE, NEW MEXICO  
3-6691 5-9546

BEFORE THE  
OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO  
JUNE 3, 1959

-----  
IN THE MATTER OF:

CASE 1685 Application of El Paso Natural Gas Company :  
for permission to conduct maximum pressure :  
build-up tests and for non-cancellation and/ :  
or transfer of allowables for test wells. :  
Applicant, in the above-styled cause, seeks :  
an order authorizing it to conduct maximum :  
pressure build-up tests on nineteen (19) gas :  
wells in the Blanco Mesaverde, Aztec-Pic- :  
tured Cliffs, Ballard-Pictured Cliffs, Ful- :  
cher Kutz-Pictured Cliffs and South Blanco- :  
Pictured Cliffs Pools in San Juan and Rio :  
Arriba Counties, New Mexico. Applicant fur- :  
ther requests the non-cancellation of allow- :  
ables accruing to test wells during the test :  
period and for authorization to transfer :  
said allowables to other wells on the same :  
basic lease, and for such other relief as is :  
necessary to properly conduct said tests in- :  
cluding establishment of an administrative :  
procedure for approval of substitute tests. :  
-----

BEFORE:

Daniel S. Nutter, Examiner.

T R A N S C R I P T    O F    P R O C E E D I N G S

MR. NUTTER: The hearing will come to order, please. The  
next case will be Case 1685.

MR. PAYNE: Case 1685. Application of El Paso Natural  
Gas Company for permission to conduct maximum pressure build-up  
tests and for non-cancellation and/or transfer of allowables for

test wells.

MR. HANNAHS: Fred Hannahs , with Seth, Montgomery, Federici, and Andres, Santa Fe, representing El Paso Natural Gas Company, appearing through Mr. Garrett Whitworth, resident counsel.

MR. WHITWORTH: We have one witness, Mr. John Mason.

(Witness sworn)

JOHN MASON,

called as a witness, having been first duly sworn, testified as follows:

DIRECT EXAMINATION

BY MR. WHITWORTH:

Q Will you state your full name and by whom you are employed and in what capacity?

A My name is John B. Mason. I am employed by the El Paso Natural Gas Company as prorating engineer.

Q Mr. Mason, have you qualified before this Commission as an expert prorating engineer before?

A Yes, sir, I have.

Q Are you familiar with the application that El Paso has filed in this case?

A Yes, I am.

Q What is the purpose of this application?

A This application seeks an order authorizing El Paso Natural Gas Company to conduct maximum pressure build-up tests on nineteen gas wells located in various pools in San Juan Basin.

It also requests that there be provisions in the order for non-cancellation and/or transfer of allowables from these proposed shut-in wells.

Q Now, is there an Exhibit attached to the application --

A Yes, sir.

Q -- in this case?

A Yes, sir, there is.

Q What is that Exhibit?

A This is Exhibit A, which sets forth the proposed shut-in wells with their locations and the pools in which they are located.

Q Are all the wells with respect to which El Paso desires to conduct maximum pressure build-up tests listed on this Exhibit

A?

A Yes, sir, they are.

Q Does El Paso operate these wells and leases on which they are located?

A Yes, they do, sir.

Q Now, why does El Paso want to conduct maximum pressure build-up tests with respect to these wells?

A There is a need for additional reservoir information which these tests will provide.

Q Would you state to the Examiner how El Paso proposes to obtain this reservoir information?

A We will shut these wells in and then take frequent pressure tests with the use of a keyed weight until a stabilized pressure

is obtained.

Q In your opinion, will making these tests create or constitute waste or violate any correlative rights?

A No, sir, they would not.

Q Are you familiar with Order R-333-C of this Commission?

A Yes, sir, I am. Order R-333-C and D as amended by E, sets forth the periods during which State deliverability tests will be taken.

Q In your opinion, should the wells that are shut in for the purpose of conducting tests that El Paso asks for here be excepted from the requirement of this Order R-333-C?

A Yes, sir. Even though we do intend to conduct these tests prior to, or we intend to conduct the deliverability tests prior to the shutting in of the wells, there might be some instances wherein this is not possible. Therefore, a provision excepting these wells from this rule would be desirable, and it has been continued in previous orders of this nature.

Q I believe that I omitted to ask the Examiner that the expert qualifications of this witness be accepted by this Commission.

MR. NUTTER: Yes, sir, his qualifications are accepted.

Q What is the recommendation of El Paso with respect to transfer of allowables that accrue to any of these wells that are shut in because of the tests?

A We request that we be permitted to submit a schedule to

the Commission setting forth the allowables that have accrued, and the transfer wells and the volumes which are to be transferred to these wells. We will submit a schedule with this information requesting that the allowables be transferred in accordance with the schedule that we will submit. Also we would like for this transfer of allowables to become effective upon completion of the test or upon receipt of the deliverability test by the Commission, whichever is the later date.

Q Now, what wells does El Paso propose to transfer allowables be made to?

A We prefer that the allowables be transferred to wells that are contained on the same basic lease with shut-in wells.

Q Are these wells listed on any Exhibit that El Paso has?

A These wells are listed on Exhibit B.

MR. WHITWORTH: Just a minute. Does the Examiner have Exhibit B?

MR. NUTTER: No, sir. Exhibit A is attached to the application, but no B.

Q Now, what does Exhibit B contain?

A Exhibit B is in thirty-eight parts, and identified as Exhibit B-1 through Exhibit B-38. There are nineteen wells we propose to shut in. There are two sheets for each well. One of the sheets is a plat with the surrounding acreage, and has the test well identified by being enclosed within a square. The other wells on the same basic lease are encircled. The other of the two sheets

for each well contains completion data and test data for the test well. Also it lists the other wells on the same basic lease with their locations and the deliverability and the date that these deliverability tests were taken.

Q In other words, Exhibit B has 38 divisions, each division being applicable to each well that is to be tested, is that true?

A That's right, there are two divisions for each well that is to be tested.

Q What action does El Paso ask the Commission to take during this test period with respect to overage and underage?

A We request that the Commission suspend the rules pertaining to overproduction and underproduction as applied to these wells until the end of the six months' balancing period following the period during which the tests are completed.

Q What does El Paso recommend to the Commission with respect to substitute tests?

A We request that we might be able to obtain administrative approval of an application to substitute other wells for these test wells which are presently set forth here.

Q Are any of the wells that are covered by this application and listed on Exhibit A presently shut-in for maximum pressure build-up tests?

A Yes, sir, there are three wells in the Ballard-Pictured Cliffs Pool. The Ballard 2-14, the Quicksaw No. 9, the Wilson No. 1-A are presently shut-in.



Q What is the recommendation that El Paso makes to the Commission with respect to these wells?

A Well, I might add first that these wells were shut-in following the conducting of the State deliverability tests on these wells, and they were shut-in for the seven-day build-up pressure for purposes of the test, State test. They have remained shut-in since that time. We recommend that the Commission, if they approve this application, will set the starting date for these tests as of the date that they were actually shut-in. We have seals on these wells and will furnish the numbers from the seals to the Commission.

Q What is the length of time that El Paso plans to keep these wells that are involved in this application shut-in for the purpose of making maximum pressure build-up tests?

A We are proposing a twelve-month period. However, at this time we can't say definitely how long it might take. It might take as short a time as has been indicated by the previous tests conducted on these same wells. Also, it might be possible if we see that the pressure build-up curves are following a trend similar to that during the first test that we will be able to extrapolate from that and open the wells up sooner.

Q If it takes longer than the twelve-month period that you mentioned, what action does El Paso propose to take -- El Paso recommend to the Commission?

A We recommend that we be permitted to file an application with the Secretary-Director of the Commission and gain approval in

that manner to --

9

Q For extending the period of time?

A Right.

Q Do you have anything else you would like to add to your testimony in this case?

A Just like to call to the Commission's attention the fact that previous orders have been issued similar to the one requested in this case. Order R-1065 was issued in 1957, covering most of the same wells that are contained within this present application, and R-13, issued in 1958.

MR. NUTTER: R-13 what?

A I am sorry, 1300 -- Order R-1300, dated 1958. A similar type order as these previous orders will be satisfactory to El Paso.

Q Were Exhibits A -- El Paso's Exhibits A and B prepared by you or under your direct supervision?

A Yes, sir, they were.

MR. WHITWORTH: We ask that these Exhibits be admitted into evidence.

MR. NUTTER: Without objection, El Paso's Exhibits A and B-1 through B-38 will be admitted in evidence.

MR. WHITWORTH: That's all we have.

MR. NUTTER: Any questions of Mr. Mason?

MR. PAYNE: Yes, sir.

MR. NUTTER: Mr. Payne.

#### CROSS EXAMINATION

DEARNLEY - MEIER & ASSOCIATES  
GENERAL LAW REPORTERS  
ALBUQUERQUE, NEW MEXICO  
Phone CHapel 3-6691

BY MR. PAYNE:

Q Mr. Mason, do these two previous Orders, R-1065 and R-1300, did they set a time limit to the taking of these tests?

A I believe they have provisions for a twelve-month period with provisions there to extend that time in the same manner as I have recommended here.

Q I see. Now, in regard to your Exhibits B-6, B-20, I note that there is no other well on the same basic lease to transfer the allowable from the shut-in well.

A That is true, but the deliverabilities of these two wells are such that we feel that we can sufficiently make up any under-production that might accrue to them during the --

Q Now, do you propose to transfer the allowable from a shut-in well equally among the other wells on the same basic lease, or how do you propose to handle that?

A Well, in the past we have been apportioning the allowable in accordance with the deliverability of the other wells and also taking into consideration the proration status of those wells at that time.

Q So that it wouldn't necessarily be equally divided among all the other wells on the same basis?

A That is correct.

MR. PAYNE: I believe that's all. Thank you.

QUESTIONS BY MR. NUTTER:

Q Mr. Mason, in a portion of your direct testimony, you

stated that you would like to run these tests until stabilized pressure is attained. It is my understanding that that is somewhat difficult to achieve in some of the wells in the basin. You actually wouldn't want to achieve a complete stabilized pressure in these wells, would you?

A Not necessarily, but if we can attain a pressure that doesn't fluxuate a great deal, we can assume that it is somewhere within that area, and at least until we get a satisfactory pressure reading that we think that we can't go any higher with it. It might reach a maximum point and then decrease somewhat after that point, but somewhere within that neighborhood.

Q Well now, you also stated that these Orders 1065 and 1300 had authorized similar tests on some of these same wells?

A That is right. Order 1065 covered some of the same wells. Order 1300 is a different set of wells.

Q Now, have the wells ever been produced since they were shut-in under R-1065?

A Yes, sir.

Q This isn't a continuation of the test authorized by 1065 on these wells?

A This is another test. Our plans had been to conduct these tests every two years, at least over a certain number of years, or at least two tests to get more points from which we could determine the pressure decline as opposed to production, and this will be the second time that a number of these wells have been tested.

Q But they have had an intervening period of time that they were producing?

A Yes, sir.

Q Now, you suggested that the Commission suspend the rules pertaining to over and underproduction until the end of the six months' period following the period in which the test is completed, is that correct?

A Yes, sir, that is right.

Q In other words, in the case of a lease there that has only one well on it, and you don't have any other well to transfer the allowable to, that would just mean a suspension of the underproduction, and then the well would be able to make that production up later on?

A Yes, sir, during the other six months.

Q Do you want that same suspension to apply to the similar wells that can be making up this allowable which the shut-in well is shut in?

A Yes, sir, and I feel -- we feel that the suspension of the rules as applied to these wells will permit a transfer well to be making in excess of its -- what would have been assigned as its allowable or what would be its allowable during this period, and will become overproduced to some extent. Then at the end of the test, when the allowable is transferred from the test well, some of the allowable that is transferred will go to compensate for that overproduction of the transfer wells that have been overproduced

during the period of the test.

Q In other words, you don't propose to be producing this shut-in well's allowable while the test is going on?

A Yes, sir, we do.

Q Now, say for instance, take your Exhibit No. B-1, Mr. Mason. You have one Well No. 5-A that is going to be shut-in, you have two wells there, the 1-A and 5-A that could be transfer wells. Now, if you shut in No. 5-A, would you transfer the allowable for 5-A while the test is going on.--

A No.

Q -- to the No. 1 and 9-A, and let them produce that while No. 5-A is shut-in?

A We wouldn't transfer it during the test period. We would wait until the completion of the test, but while the test was being conducted we would -- we do intend to produce the allowables of 1-A and 9-A and try to produce in excess of them so that at the end of the test period, the completion of the test, there will not be an excessive amount of allowable required to be transferred from the test well to the other wells.

Q Oh, I see. You are not going -- you don't want the Commission to transfer No. 5-A's allowable to 1-A and 9-A right now?

A Right.

Q You just want the overproduction clause suspended for 1-A and 9-A?

A Yes, sir.

Q And they will go ahead and produce their own allowable in excess?

A Yes, sir.

Q And No. 5, then, will be underproduced?

A Yes, sir.

Q And at the end of the test period, you would just transfer 5-A's underproduction and credit it against the overproduction on 1-A and 9-A?

A That is correct, sir.

Q I see. And when will the Commission actually know which wells that you want to assign the allowables for the shut-in wells to, at the end of the test period?

A Well, we are setting forth wells on the same leases within Exhibit B and the previous orders of the Commission. They have chosen the wells that would be designated as transfer wells, and they have been set forth on the order. Then at the end of the test, when we have gotten our production in for the month during which the test was completed, we will make out our schedule indicating how much allowables to be transferred to which of the wells that the Commission has set forth in the Order.

Q Well, do you think that the Commission in this Order should list the transfer wells as they have in the previous Orders?

A Yes, sir.

Q In other words, just list every well that is on the same basic lease as you have done here on your Exhibit? Well, I think

it is the even numbered B Exhibits?

A Yes, sir, that is correct.

MR. NUTTER: Any further questions of Mr. Mason? If there are no further questions, Mr. Mason may be excused.

(Witness excused)

MR. NUTTER: Does anyone else have anything further they wish to offer in Case 1685? Take the case under advisement.



STATE OF NEW MEXICO )  
COUNTY OF BERNALILLO ) ss

I, J. A. Trujillo, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Proceedings before the New Mexico Oil Conservation Commission was reported by me in Stenotype and reduced to typewritten transcript by me, and that the same is a true and correct record to the best of my knowledge, skill and ability.

WITNESS my Hand and Seal this, the 11<sup>th</sup> day of June, 1959, in the City of Albuquerque, County of Bernalillo, State of New Mexico.

*Joseph A. Trujillo*  
NOTARY PUBLIC

My Commission Expires:  
October 5, 1960

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 1685 heard by me on 6/3, 1959.  
*[Signature]* Examiner  
New Mexico Oil Conservation Commission

DEARNLEY - MEIER & ASSOCIATES  
GENERAL LAW REPORTERS  
ALBUQUERQUE, NEW MEXICO  
Phone CHapel 3-6691