

CASE 2294: Appli. of EL PASO NATL.
for authorization to conduct
maximum pressure build-up tests.

18

Case No.

2294

Application, Transcript,
Small Exhibits, Etc.

GOVERNOR
EDWIN L. MEHEM
CHAIRMAN

State of New Mexico
Oil Conservation Commission

LAND COMMISSIONER
E. S. JOHNNY WALKER
MEMBER



P. O. BOX 971
SANTA FE

STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY - DIRECTOR

2294

R-1998

Mr. Oliver Seth
Seth, Montgomery, Federici & Andrews
Box 828
Santa Fe, New Mexico

Re: Case No. _____
Order No. _____
El Paso Natural Gas Company
Applicant: _____

Dear Sir:

Enclosed herewith are two copies of the above-referenced
Commission order recently entered in the subject case.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ir/

Carbon copy of order also sent to:

Hobbs OCC^x _____
Artesia OCC _____
Aztec OCC^x _____

OTHER Mr. Garrett Whitworth

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
May 24, 1961

EXAMINER HEARING

IN THE MATTER OF:

CASE 2294

TRANSCRIPT OF HEARING

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CM 3-6691

ALBUQUERQUE, NEW MEXICO



BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
May 24, 1961

EXAMINER HEARING

IN THE MATTER OF:

CASE 2294 Application of El Paso Natural Gas Company
for authorization to conduct maximum pressure
build-up tests. Applicant, in the
above-styled cause, seeks authorization to
conduct maximum pressure build-up tests in
the Blanco-Mesaverde Gas Pool, the Aztec-
Pictured Cliffs Gas Pool, the Ballard-
Pictured Cliffs Gas Pool, the Fulcher Kutz-
Pictured Cliffs Gas Pool, and the South
Blanco-Pictured Cliffs Gas Pool, San Juan
and Rio Arriba Counties, New Mexico. Appli-
cant further seeks establishment of special
rules covering said tests including a pre-
fix authorizing the non-cancellation and/or
transfer of the allowable for the lease to
be shut in in each pool and including a
prefix allowing substitute tests by admini-
strative approval.

BEFORE:

Elvis A. Utz, 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. UTZ: We will call case 2294.

MR. MORRIS: Application of El Paso Natural Gas Company
for authorization to conduct maximum pressure build-up tests.

MR. WHITWORTH: Seth, Montgomery, Federici, and Andrews
of Santa Fe by letter, and Garrett C. Whitworth representing El Paso
Natural Gas Company. I have one witness, Mr. Gerald A. Hickson.

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(Witness sworn.)

GERALD A. HICKSON,

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

DIRECT EXAMINATION

BY MR. WHITWORTH:

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

A Gerald A. Hickson.

MR. UTZ: Are there any other appearances?

You may proceed.

A Proration engineer for El Paso Natural Gas Company.

Q Have you previously been qualified as an expert witness before this Commission and are your qualifications a matter of record?

A Yes, sir, they are.

MR. WHITWORTH: We ask that the witness be accepted as an expert in this case.

MR. UTZ: Yes, sir.

Q (By Mr. Whitworth) Mr. Hickson, you are familiar with El Paso Natural Gas Company's application in this case, are you not?

A Yes, sir; I am.

Q What does El Paso seek by this application?

A We are seeking by this application an order authorizing us to conduct maximum pressure build-up tests on sixteen gas wells



located in various pools in the San Juan Basin and also a provision authorizing the non-cancellation and/or transfer of allowables from proposed shut-in wells.

Q Would you name the pools affected by the application?

A The Aztec-Pictured Cliffs Gas Pool, the Ballard-Pictured Cliffs Gas Pool, the Blanco-Mesaverde Gas Pool, the Fulcher Kutz-Pictured Cliffs Pool and the South Blanco Pictured Cliffs Pool.

Q You have all of these wells to be tested listed on what has been termed El Paso's Exhibit A?

A Yes. They're all listed, the pools and locations.

Q Now, is the El Paso Exhibit A, which was filed with the application, entirely correct?

A No, sir. We have one correction to make. We would substitute fields number three for fields number five.

MR. WHITWORTH: We ask that the application be amended in this respect: that fields number five listed on the original Exhibit A be changed to fields number three.

MR. UTZ: Without objection Exhibit A will show the correction.

Q (By Mr. Whitworth) Mr. Hickson, is El Paso the operator of all these wells involved?

A Yes. El Paso is the operator of all the wells to be tested and transfer wells.

Q Why does El Paso wish to conduct maximum pressure build-up tests with respect to these wells listed on Exhibit A?



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A Well, there is a need for additional information, reservoir information, and by the taking of these tests, we can obtain a third point on a pressure decline curve. All the wells in this case have been tested once before, so this is the third point. We will have it on a pressure decline curve.

Q It is for re-evaluation or calculation of reserves involved, that is the reason that El Paso wants to conduct these tests?

A Yes. El Paso wants to re-evaluate its reserves based on this group of tests that have been taken in the past and this test.

Q How does El Paso propose to conduct these tests?

A Well, after taking of the state allowable tests, the wells are shut in, padlocked and at frequent intervals shut-in pressure readings are taken with a dead weight gauge.

Q Are you familiar with initial cap order no. R333-C, D and E of this Commission?

A Yes, sir, I am.

Q In general, what do those orders refer to?

A Well, they refer to the deliverability test taken.

Q In your opinion, should these wells that are shut in for the purpose of conducting these tests be exempt from the requirements of these orders?

A Yes, sir. We are planning to -- our procedure in the past has been to take the deliverability test and then shut the well in, but some case might come up where we might not be able to do



that and it would be desirable to have an exception to this rule.

Q And it should apply during the time the maximum deliverability tests are being conducted?

A Yes, sir.

Q How about the overage and underage provisions? Do you have any recommendations to make to the Commission concerning the rules regarding the overage and underage requirements with respect to the pools where these wells are located during the time tests are being made?

A Well, we are asking that the Commission suspend the rules for the northwest portion of Order No. R-1670, Sections C and D until such time as a six-month balancing period for the pool in which the well is tested is completed on the individual well.

Q Now, the application also mentions substitute tests. Why would it be necessary to make substitute tests?

A Well, it may be necessary in a group of wells where we have no water problems or any other mechanical problems or trouble with the wells and it might be that we might have to substitute another well on the basic lease for this test which is the well that we have set up on Exhibit A.

Q Do you have an exhibit depicting the wells on the same lease?

A Yes, sir; Exhibit B.

Q Exhibit B consists of how many pages?

A Thirty-two sheets.

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Q Two pages for each well involved?

A Yes, sir.

Q Briefly, Mr. Hickson, what does Exhibit B contain?

A Two sheets for each well. The first sheet is a plat showing the offset acreage, and the test well is indicated by a square around the well; and the transfer wells on the same basic lease are shown with a circle. The second sheet shows the test information on 1960 tests and also lists the wells on the same basic lease, their locations, deliverability and date of basic tests.

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

A Yes. We have five shut in now: Atlantic No. 5, Mansfield No. 4, San Juan Unit 32-9, No. 29 -- those three wells were shut in February 14 after deliverability tests were taken; and on April 6, the Cap Howell No. 3-A and the Pritchard No. 2-1 were both shut in on April 6 when state deliverability tests were taken.

Q What action do you recommend that the Commission take with respect to the taking of these tests?

A Well, we are asking of the Commission if this application is approved that they use the starting date we have given here for the beginning date on the test.

Q Is there anything else you'd like to add to your testimony?



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A No, sir; I don't think so.

Q Were El Paso 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 accepted into evidence.

MR. UTZ: Without objection, Exhibits A and B will be accepted into the record.

Q (By Mr. Whitworth) In your opinion, Mr. Hickson, would the taking of these maximum pressure build-up tests violate any correlative rights or create any waste?

A No, sir.

Q El Paso Natural Gas has conducted maximum pressure build-up tests before?

A Yes, sir, we have. This is the fourth time we have come before the Commission asking for this type of order, and if it's approved, we are asking for the same order we received in Case No. 1685, Order No. R-1421.

Q This was issued last year by the Commission?

A It was issued in June of '59.

Q And the only difference in the order we are requesting here would be in the wells involved, is that right?

A Well, the wells involved plus one other rule that would have to be changed, regarding overage and underage.

MR. UTZ: Well, that's no different than 1421.



THE WITNESS: Well, 1421 was -- 1670 was consolidated in April of '60 and 1421 went back to the older order. That's the one we're asking for.

Q (By Mr. Whitworth) To your knowledge, there has been no opposition to El Paso's proposal in this case?

A No, sir.

MR. WHITWORTH: That's all I have.

MR. UTZ:

Q Is 1421, providing for the authority to change test wells, any different from that which you have applied for?

A Yes, sir; it would be by administrative approval.

Q So long as they're on the same basic lease?

A Yes.

Q You are not asking for any different test on a different lease?

A No, sir; that's rule 7, 1421.

MR. UTZ: Are there any other questions?

MR. MORRIS:

Q You are asking for non-cancellation and/or transfer of allowables. Are you contemplating by that question that some of the allowables might be transferred to another well and some might be retained to be attributed to that well at a later date after the tests are completed?

A Well, that's why we want to transfer the allowables or just leave it on the test well for non-cancellation. The first of



the month following the completion of the test, we in the past have sent the Commission a schedule showing the allowable that has accrued to the test well and the list of transfer wells showing how much of that allowable we wanted to transfer from the transfer well.

Q Now, you referred to two wells on your Exhibit A that you have already shut in and you requested there that the date of shut in be the beginning date of the test on these two wells.

A Yes.

Q What were those wells?

A On February 14, Atlantic No. 5, Mansfield No. 4, San Juan Unit 32-9, No. 29. Now, on April 6, the Howell No. 3-A and the Pritchard 2-1 were shut in. I might also add that that is covered under Rule 8 of our 1421. That's the same type of order we are asking for here.

MR. MORRIS: I have no further questions.

MR. UTZ: Are there any other questions of the witness?

The witness may be excused.

Are there any other statements in this case?

The case will be taken under advisement.

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CI 3-6691

ALBUQUERQUE, NEW MEXICO



STATE OF NEW MEXICO)
) ss
 COUNTY OF BERNALILLO)

I, THOMAS F. HORNE, Court Reporter, 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 machine shorthand and reduced to typewritten transcript under my personal supervision, and that the same is a true and correct record to the best of my knowledge, skill and ability.

Thomas F. Horne
 NOTARY PUBLIC

My Commission expires:
 May 4, 1965

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 2294, heard by me on *May 24, 1961*.
Thomas F. Horne, Examiner
 New Mexico Oil Conservation Commission

DEARNLEY-MEIER REPORTING SERVICE, Inc.

ALBUQUERQUE, NEW MEXICO

PHONE CH 3-4691



**BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO**

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

**CASE No. 2234
Order No. R-1996**

**APPLICATION OF EL PASO NATURAL GAS
COMPANY FOR AUTHORIZATION TO CONDUCT
MAXIMUM PRESSURE BUILD-UP TESTS, 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 May 24, 1961, at Santa Fe, New Mexico, before Elvis A. Utz, 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 _____ day of June, 1961, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Elvis A. Utz, 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 authorization to conduct maximum pressure build-up tests in the Blanco-Mesaverte Gas Pool, the Astec-Pictured Cliffs Gas Pool, the Ballard-Pictured Cliffs Gas Pool, the Fulcher Ritz-Pictured Cliffs Gas Pool, and the South Blanco-Pictured Cliffs Gas Pool, San Juan and Rio Arriba Counties, New Mexico.
- (3) That there is a need for the reservoir information that the proposed maximum pressure build-up tests would provide.
- (4) That the applicant further seeks establishment of special rules governing said tests, including a provision authorizing the non-cancellation and/or transfer of allowables from wells to be shut-in in each pool and including a provision allowing substitute tests by administrative approval.
- (5) That all shut-in wells should be excepted from the

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requirements of Order R-333-C and D during the time that maximum pressure build-up tests are being conducted.

(6) 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.

(7) 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.

(8) That the underage and overage balancing provisions of Order No. R-1670 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.

(9) That inasmuch as the proposed tests will not cause waste nor impair correlative rights, the subject application should be approved.

IT IS THEREFORE ORDERED:

(1) That authority 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:

SHUT-IN WELL

TRANSFER WELL

AZTEC-PICTURED CLIFFS GAS POOL

El Paso-Lackey No. 5-B
SE/4, S 20, T-28N, R-9W

El Paso-Lackey No. 3-B
NW/4, S 29, T-28N, R-9W

El Paso-Lackey No. 4-B
NE/4, S 29, T-28N, R-9W

El Paso-Lackey No. 6-B
NW/4, S 21, T-28N, R-9W

El Paso-Lackey No. 8-B
SW/4, S 20, T-28N, R-9W

El Paso-Lackey No. 9-B
SW/4, S 21, T-28N, R-9W

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El Paso-Morris A-6
SW/4, S 21, T-30N, R-11W

None

BALLARD-PICTURED CLIFFS GAS POOL

El Paso-McConnell No. 5
NW/4, S 24, T-26N, R-9W

El Paso-McConnell No. 2
SE/4, S 13, T-26N, R-9W

El Paso-McConnell No. 4
SW/4, S 24, T-26N, R-9W

El Paso-Payne No. 1-A
SW/4, S 13, T-26N, R-9W

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

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

El Paso-McManus No. 3
SE/4, S 33, T-26N, R-8W

El Paso-McManus No. 9
SW/4, S 33, T-26N, R-8W

El Paso-McManus No. 13
SW/4, S 4, T-25N, R-8W

BLANCO-MESAVERDE GAS POOL

El Paso-Atlantic No. 5
NE/4, S 22, T-31N, R-10W

El Paso-Atlantic No. 6
SW/4, S 22, T-31N, R-10W

El Paso-Atlantic No. 7
NE/4, S 23, T-31N, R-10W

El Paso-Atlantic No. 8
SW/4, S 23, T-31N, R-10W

El Paso-Fields No. 1
NE/4, S 25, T-32N, R-11W

El Paso-Fields No. 2
SW/4, S 25, T-32N, R-11W

El Paso-Fields No. 3
NE/4, S 29, T-32N, R-11W

El Paso-Fields No. 4
NE/4, S 28, T-32N, R-11W

El Paso-Fields No. 5
SW/4, S 28, T-32N, R-11W

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

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

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El Paso-Granbling No. 3
SW/4, S 22, T-29N, R-9W

El Paso-Howell No. 3-A
SW/4, S 4, T-30N, R-6W

El Paso-Mansfield No. 4
NE/4, S 29, T-30N, R-9W

El Paso-Prichard No. 2-1
NE/4, S 34, T-31N, R-9W

El Paso-SJU 28-7 No. 49
NE/4, S 21, T-28N, R-7W

El Paso-SJU 32-9 No. 29
SW/4, S 36, T-32N, R-10W

El Paso-Gartner No. 3
SW/4, S 33, T-30N, R-6W

El Paso-Gartner No. 5
SW/4, S 27, T-30N, R-6W

El Paso-Granbling No. 1
NE/4, S 28, T-29N, R-9W

El Paso-Granbling No. 2
NE/4, S 27, T-29N, R-9W

El Paso-Howell No. 1-A
NE/4, S 8, T-30N, R-6W

El Paso-Howell No. 2-A
SW/4, S 5, T-30N, R-6W

None

El Paso-Prichard No. 3-2
SW/4, S 34, T-31N, R-9W

El Paso-SJU 28-7 No. 6
SW/4, S 16, T-28N, R-7W

El Paso-SJU 28-7 No. 47
NE/4, S 20, T-28N, R-7W

El Paso-SJU 28-7 No. 48
SW/4, S 21, T-28N, R-7W

El Paso-SJU 32-9 No. 3
NE/4, S 1, T-31N, R-10W

El Paso-SJU 32-9 No. 9
SW/4, S 25, T-32N, R-10W

El Paso-SJU 32-9 No. 25
NE/4, S 2, T-31N, R-10W

El Paso-SJU 32-9 No. 26
SW/4, S 1, T-31N, R-10W

El Paso-SJU 32-9 No. 30
NE/4, S 36, T-32N, R-10W

El Paso-SJU 32-9 No. 32
SW/4, S 31, T-32N, R-9W

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El Paso-SJU 32-9 No. 34
SW/4, S 35, T-32N, R-10W

El Paso-SJU 32-9 No. 38
NE/4, S 35, T-32N, R-10W

FULCHER BUTTE-PICTURED CLIFFS GAS POOL

El Paso-Rowley No. 4
NW/4, S 17, T-27N, R-10W

El Paso-Rowley No. 6
SE/4, S 18, T-27N, R-10W

SOUTH BLANCO-PICTURED CLIFFS GAS POOL

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

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. 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. 11-B
NE/4, S 27, T-25N, R-4W

El Paso-Jicarilla No. 12-B
NW/4, S 27, 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 Order No. R-1670 shall be suspended for all affected shut-in and

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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.

(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

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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 Astec 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.

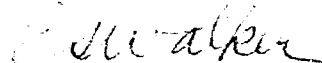
(12) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION



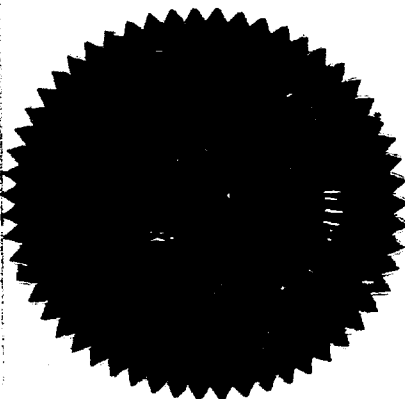
EDWIN L. MECHEM, Chairman



E. S. WALKER, Member



A. L. PORTER, JR., Member & Secretary



esr/

Case 2284

Heard 5-24-61

Rec. 6-5-61

1. Approve El Paso's request for
May. Prename Build-up tests in ~~the~~
Pictured Cliffs Pools and Blanco Mesa -
verde pool in San Juan Co.
2. Use R-1421 in its same form
for this order.
3. All wells wells should be listed
as shown on Exhibit B. of this case.

Thurman H. [Signature]

J. O. SETH
A. K. MONTGOMERY
OLIVER SETH
WM. FEDERICI
FRANK ANDREWS
FRED C. HANNAHS
GEORGE A. GRAHAM, JR.

SETH, MONTGOMERY, FEDERICI & ANDREWS
ATTORNEYS AND COUNSELORS AT LAW
301 DON GASPAR AVENUE
SANTA FE, NEW MEXICO

POST OFFICE BOX 828
TELEPHONE YU 3-7315

May 24, 1961

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

Re: Case No. 2294

Gentlemen:

The undersigned hereby enter their appearance as
local attorneys for El Paso Natural Gas Company
in Case No. 2294 and state that they are associated
in this hearing with Mr. Whitworth, the attorney
for El Paso Natural Gas Company.

Very truly yours,

SETH, MONTGOMERY, FEDERICI & ANDREWS

By



OS:wcl

No. 15-61

DOCKET: EXAMINER HEARING - WEDNESDAY, MAY 24, 1961

9 A.M. - OIL CONSERVATION COMMISSION CONFERENCE ROOM
STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

The following cases will be heard before Elvis A. Utz, examiner, or Daniel S. Nutter, as alternate examiner:

CASES 2291 through 2296 will not be heard before 1:30 p.m.

- CASE 2280: Application of Continental Oil Company for a non-standard gas proration unit and for an unorthodox gas well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the establishment of a 240-acre non-standard gas proration unit in the Eumont Gas Pool consisting of the E/2 E/2, SW/4 SE/4 and the SE/4 SW/4 of Section 17, Township 21 South, Range 37 East, Lea County, New Mexico, to be dedicated to its Lockhart A-17 Well No. 2, at an unorthodox location 1980 feet from the South line and 660 feet from the East line of said Section 17.
- CASE 2281: Application of Continental Oil Company for an exception to Rule 309 (a), Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to commingle the Maljamar Pool production from all wells presently completed or hereafter drilled on its Taylor Lease, comprising the SW/4 of Section 14, Township 17 South, Range 32 East, Lea County, New Mexico, and on its Federal Miller BX Lease, comprising the E/2 of said Section 14, after separately metering the production from each lease.
- CASE 2282: Application of Continental Oil Company for an amendment of Order No. R-1602. Applicant, in the above-styled cause, seeks an amendment of Order No. R-1602 changing the effective date thereof and making the provisions of said order effective as of March 1, 1960.
- CASE 2283: Application of Skelly Oil Company for an exception to Rule 303 (a), Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to commingle the Denton (Devonian) Pool production and the Denton-Wolfcamp Pool production on its Mexico "F" Lease comprising Lots 1, 2, 3, and 4, the SW/4 NE/4 and the SW/4 NW/4 of Section 2, Township 15 South, Range 37 East, Lea County, New Mexico, and to allocate the production to each well in each pool on the basis of periodic well tests.

CASE 2284:

Application of Skelly Oil Company for an exception to Rule 303 (a), Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to commingle the oil production from the Hare and Drinkard Pools with the distillate production from the Blinebry and Tubb Gas Pools on its E. A. Sticher Lease, consisting of the N/2 SW/4 of Section 4, Township 22 South, Range 37 East, Lea County, New Mexico, and to allocate the production to each well in each pool on the basis of periodic well tests.

CASE 2285:

Application of Texaco Inc., for an unorthodox gas well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of an unorthodox gas well location in the Tubb Gas Pool for its A. H. Blinebry NCT-1 Well No. 8, located 1980 feet from the North line and 330 feet from the West line of Section 33, Township 22 South, Range 38 East, Lea County, New Mexico.

CASE 2286:

Application of Aztec Oil & Gas Company for an exception to Rule 309 (a), San Juan County, New Mexico. Applicant, in the above-styled cause, seeks permission to commingle the Totah-Gallup Pool production from the following-described leases, all in Township 29 North, Range 13 West, San Juan County, New Mexico.

Federal Lease No. SF 079065 in Sections 19, 20 and 29.

State Lease B-11017-23 comprising in pertinent part the SW/4 NW/4 of Section 20.

State Lease B-11017-21 comprising in pertinent part the NW/4 NW/4 of Section 20.

Smith-Eaton Lease comprising in pertinent part the NE/4 SE/4, SE/4 NE/4 and the E/2 NW/4 of Section 20.

Applicant proposes to commingle said production in a common tank battery located on the SW/4 of said Section 20 after separately metering the production from the State and fee leases only.

CASE 2287:

Application of Aztec Oil & Gas Company for an exception to Rule 309 (a), San Juan County, New Mexico. Applicant, in the above-styled cause, seeks permission to commingle the Totah-Gallup Pool production from five separate fee leases, all located in Section 18, Township 29 North, Range 13 West, San Juan County, New Mexico.

CASE 2288:

Application of Southwest Production Company for two non-standard gas proration units, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks the establishment of two non-standard gas proration units in the Basin-Dakota Gas Pool, San Juan County, New Mexico, described as follows:

(1) W/2 of Section 7, Township 30 North, Range 11 West, except the 3.39-acre tract therein owned by Harold M. Brimhall and Maleta Y. Brimhall, comprising the sum total approximately 327.01 acres.

(2) E/2 of Section 7, Township 30 North, Range 11 West, except the S/2 SW/4 SE/4; comprising in sum total approximately 300 acres.

CASE 2289:

Application of Aspen Crude Purchasing Company for three non-standard oil proration units, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks the establishment of the following-described non-standard oil proration units in and adjacent to the Cha Cha-Gallup Oil Pool:

(1) Lot 1 and the S/2 SE/4 of Section 7, Township 28 North, Range 13 West;

(2) Lot 5 and the SE/4 SW/4 of said Section 7; and

(3) Lots 2, 3 and 4 of said Section 7, and 40.81 acres located between said Section 7 and Section 36, Township 29 North, Range 14 West;

all in San Juan County, New Mexico.

CASE 2290:

Application of Aspen Crude Purchasing Company for three non-standard oil proration units and for an unorthodox well location, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks the establishment of the following-described non-standard oil proration units adjacent to the Totah-Gallup Oil Pool in Section 11, Township 28 North, Range 13 West, San Juan County, New Mexico:

(1) Lots 1 and 2 and the SE/4 SE/4, comprising 97.78 acres, to be dedicated to a well at a non-standard location 263 feet from the North line and 700 feet from the East line of said Section 11.

CASE 2290: (Cont.)

(2) Lots 3 and 4 and the SW/4 SW/4, comprising 97.58 acres.

(3) SW/4 SE/4 and the SE/4 SW/4, comprising 80 acres.

The following cases will not be heard before 1:30 p.m.

CASE 2291: Application of Pan American Petroleum Corporation for an exception to Rule 303 (a), Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to commingle, prior to measurement, the Paddock, Brunson and Wantz-Abo pool production from all wells on its Hugh Corrigan Lease, comprising the NE/4 SE/4 of Section 33, Township 21 South, Range 37 East, Lea County, New Mexico, and to allocate production to each well in each pool on the basis of periodic well tests.

CASE 2292: Application of Humble Oil & Refining Company for permission to take interference tests and transfer allowables in the Cha Cha-Gallup Oil Pool, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks permission to take interference tests in the Cha Cha-Gallup Oil Pool, San Juan County, New Mexico, by shutting in its Navajo Tribe "L" Well No. 4, located in the SW/4 SE/4 of Section 26, Township 29 North, Range 14 West, and transferring its allowable to other wells on the same basic lease in such a manner that no well will produce more than 125% of its monthly allowable.

CASE 2293: Application of Great Western Drilling Company for approval of the Grain Queen Unit Agreement, for permission to institute a waterflood project therein, for special rules governing said waterflood project including a provision for special allowables, and for permission to commingle the production from all leases in said unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Grain Queen Unit Agreement, which unit embraces 200 acres of State and fee lands in Township 13 South, Range 32 East, Lea County, New Mexico, described as follows:

CASE 2293: (Cont.)

Section 5: SE/4 NW/4, NE/4 SW/4 and the S/2 SW/4
Section 8: NE/4 NW/4

Applicant further seeks permission to institute a waterflood project in said Grain Queen Unit Area and seeks the promulgation of special rules governing said project including a provision for special allowables. Applicant further seeks permission to commingle the unitized substances produced from all leases in said Grain Queen Unit Area without separate measurement in tanks on each individual lease.

CASE 2294:

Application of El Paso Natural Gas Company for authorization to conduct maximum pressure build-up tests. Applicant, in the above-styled cause, seeks authorization to conduct maximum pressure build-up tests in the Blanco-Mesaverde Gas Pool, the Aztec-Pictured Cliffs Gas Pool, the Ballard-Pictured Cliffs Gas Pool, the Fulcher Kutz-Pictured Cliffs Gas Pool, and the South Blanco-Pictured Cliffs Gas Pool, San Juan and Rio Arriba Counties, New Mexico. Applicant further seeks establishment of special rules governing said tests including a provision authorizing the non-cancellation and/or transfer of allowables from wells to be shut-in in each pool and including a provision allowing substitute tests by administrative approval.

CASE 2295:

Application of Consolidated Oil & Gas, Inc. for a dual completion, a non-standard gas proration unit and for an unorthodox gas well location, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks the establishment of a 325.23-acre non-standard gas proration unit in the Basin-Dakota Gas Pool and in the Blanco-Mesaverde Gas Pool consisting of the S/2 of Section 34, Township 32 North, Range 13 West, San Juan County, New Mexico, said unit to be dedicated to its Robinson Brothers Well No. 1, proposed to be dually completed in said pools at an unorthodox gas well location for said pools at a point 1235 feet from the South line and 760 feet from the East line of said Section 34.

CASE 2296:

Application of Consolidated Oil & Gas Inc., for an order force-pooling a standard 320-acre proration unit in the Basin-Dakota Gas Pool, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an order force-pooling all mineral interests in the Basin-Dakota Gas Pool in the E/2 of Section 10, Township 31 North, Range 13 West, San Juan County, New Mexico, to form a standard 320-acre gas proration unit.

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-MESA VERDE,
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. 2294

APPLICATION

TO THE HONORABLE COMMISSION:

COMES NOW El Paso Natural Gas Company, a Delaware corpora-
tion with a permit to do business in the State of New Mexico; here-
inafter referred to as "Applicant," and alleges and states as follows:

I

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

II

There is a continuing need for reservoir information con-
cerning said gas pools.

III

Applicant proposes to obtain such reservoir information by
shutting-in the wells listed in Exhibit "A" hereto and conducting
maximum pressure build-up tests with respect to same; and Appli-
cant proposes to complete such tests within the twelve-month (12)
period following the date of issuance of the Commission's Order
herein; Applicant should be permitted in its discretion to conduct
such tests over shorter periods of time where possible; and Appli-
cant should be permitted to conduct such tests over longer periods

of time than twelve (12) months where necessary upon application filed with and authorization granted by the Secretary-Director of the Commission.

IV

Such proposed tests would prevent waste and would not violate nor prejudice correlative rights.

V

All wells shut-in for the purpose of conducting such tests should be excepted from the requirements of Order R-335-C and D during the time that the maximum pressure build-up tests are being conducted with respect to such wells.

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 applicable rules with respect to the above mentioned 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 shut-in well is completed;

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 said exhibit "A" located in the Blanco-Mesa Verde, Astec-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 and such other and further relief to which Applicant may show itself justly entitled.

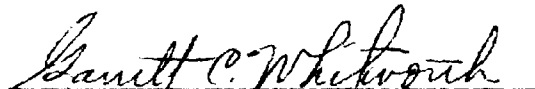

Garrett C. Whitworth
Attorney for Applicant

EXHIBIT "A"

of

Application Filed With

The Oil Conservation Commission of the State of New Mexico

Location of Wells

Wells Proposed
to be Shut-In

Section Township Range N.M.P.M.

AZTEC PICTURED CLIFFS POOL

Lackey No. 5-B
Morris No. 6-A

SE/4	20	28 North	9 West
SW/4	21	30 North	11 West

BALLARD PICTURED CLIFFS POOL

McConnell No. 5
McManus No. 10

NW/4	24	26 North	9 West
NE/4	4	25 North	8 West

BLANCO MESA VERDE POOL

Atlantic No. 5
Fields No. 1
Fields No. 3
Gartner No. 4
Grubling No. 3
Howell No. 3-A
Mansfield No. 4
Prichard No. 2-1
San Juan Unit 28-7 No. 49
San Juan Unit 32-9 No. 29

E/2	22	31 North	10 West
N/2	25	32 North	11 West
W/2	28	32 North	11 West
E/2	33	30 North	8 West
W/2	22	29 North	9 West
W/2	4	30 North	8 West
E/2	29	30 North	9 West
N/2	34	31 North	9 West
E/2	21	28 North	7 West
W/2	36	32 North	10 West

FULCHER KUTZ PICTURED CLIFFS POOL

Rowley No. 4

NW/4	17	27 North	10 West
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SOUTH BLANCO PICTURED CLIFFS POOL

Jicarilla No. 5-B

SW/4	27	25 North	4 West
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EXHIBIT "A"

of

CASE NO. 2294

Application Filed With

The Oil Conservation Commission of the State of New Mexico

Location of WellsWells Proposed
to be Shut-inSectionTownshipRange N.M.P.M.AZTEC PICTURED CLIFFS POOL

Lackey No. 5-B	SE/4	20	28 North	9 West
Morris No. 6-A	SW/4	21	30 North	11 West

BALLARD PICTURED CLIFFS POOL

McConnell No. 5	NW/4	24	26 North	9 West
McManus No. 10	NE/4	4	25 North	8 West

BLANCO MESA VERDE POOL

Atlantic No. 5 - 2-14-61	NE/4	22	31 North	10 West
Fields No. 1	NE/4	25	32 North	11 West
Fields No. 3	NE/4	29	32 North	11 West
Gartner No. 4	NE/4	33	30 North	8 West
Grambling No. 3	SW/4	22	29 North	9 West
Howell No. 3-A - 4-6-61	SW/4	4	30 North	8 West
Mansfield No. 4 - 2-14-61	NE/4	29	30 North	9 West
Prichard No. 2-1 - 4-6-61	NE/4	34	31 North	9 West
San Juan Unit 28-7 No. 49	NE/4	21	28 North	7 West
San Juan Unit 32-9 No. 29 - 2-14-61	SW/4	36	32 North	10 West

FULCHER KUTZ PICTURED CLIFFS POOL

Rowley No. 4	NW/4	17	27 North	10 West
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SOUTH BLANCO PICTURED CLIFFS POOL

Jicarilla No. 5-B	SW/4	27	25 North	4 West
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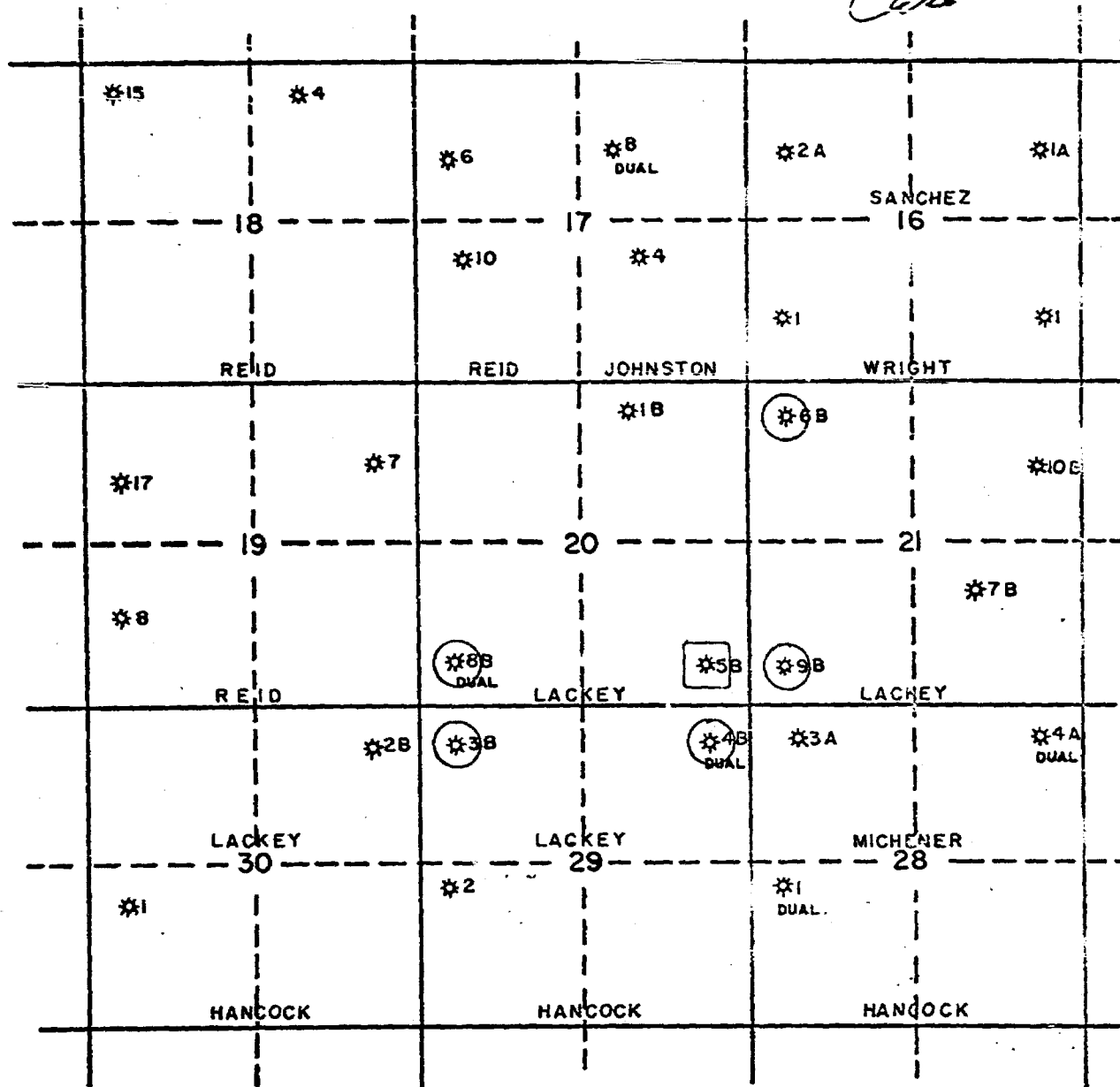
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SAN JUAN COUNTY, NEW MEXICO

AZTEC P.C.

TOWNSHIP 28 N RANGE 9 W

Ex B.
Case 2294



LACKEY #5B

EPNG PRESSURE BUILD-UP TEST

TEST WELL DATA Aztec Pictured Cliffs Pool
Date May 10, 1961

TEST WELL: Operator: El Paso Natural Gas Company Well Name & No. Lackey #5-B
Location 1050 fr. R 990 fr. S lines, P Sec. 20 T. 28 N., R. 9 W
TD: 2210' Casing: 5-1/2" @ 2210' Tubing: 1-1/2" @ 2097'
Completed: June 13, 1956 First Delivery: September 17, 1956
Pay Zone: Open Hole Interval: _____ or Perforations: 2106' to 2143'
Stimulation: Sand Water Fractured
SIPC: 695 SIPT: 695 DAYS SE: 10
I.P. Test: 7240 MCF, 3 hrs. 3/4 Choke: 5175 MCF AOF thru tubing or casing
Current Deliverability: 490 MCF, Date Tested: 7/6/60

WELLS ON SAME BASIC LEASE

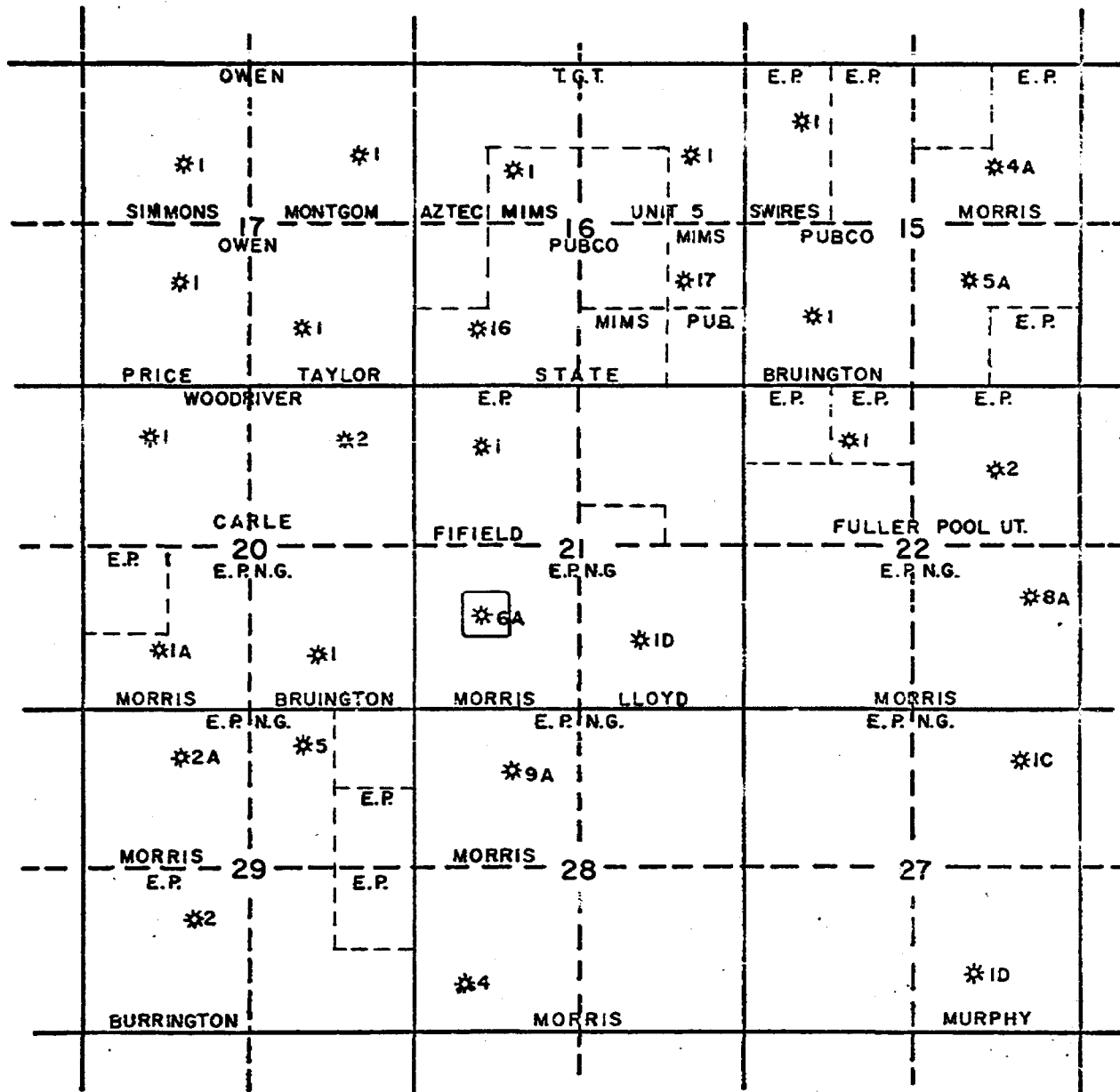
Name	Location	Deliverability	Date of Test
Lackey 3-B	D 29-28-9	177	1960
Lackey 4-B	A 29-28-9	571	1960
Lackey 6-B	D 21-28-9	249	1960
Lackey 8-B	M 20-28-9	297	1960
Lackey 9-B	M 21-28-9	420	1960

Proration Department

SAN JUAN COUNTY, NEW MEXICO

AZTEC P.C.

TOWNSHIP 30 N RANGE 11 W



MORRIS *A-6

EPNG PRESSURE BUILD-UP TEST

TEST WELL DATA Aztec Pictured Cliffs

Pool

Date May 10, 1961

TEST WELL: Operator: El Paso Natural Gas Company Well Name & No. Morris A-6

Location 1550 fr. N, 990 fr. W lines, L Sec. 21 T. 30 N., R. 11 W

TD: 2197 Casing: 7" @ 2152' Tubing: 1-1/4" @ 2139'

Completed: March 7, 1956 First Delivery: May 4, 1956

Pay Zone: Open Hole Interval: 2152-2197 or Perforations:

Stimulation: Water Frac P.C. from 2152 to 2197.

SIPC: 611 SIPT: 611 DAYS SI: 8

I.P. Test: 802 MCF, 3 hrs. Choke: MCF AOF thru tubing or casing

Current Deliverability: 69 MCF, Date Tested: 3-22-60

WELLS ON SAME BASIC LEASE

Name	Location	Deliverability	Date of Test
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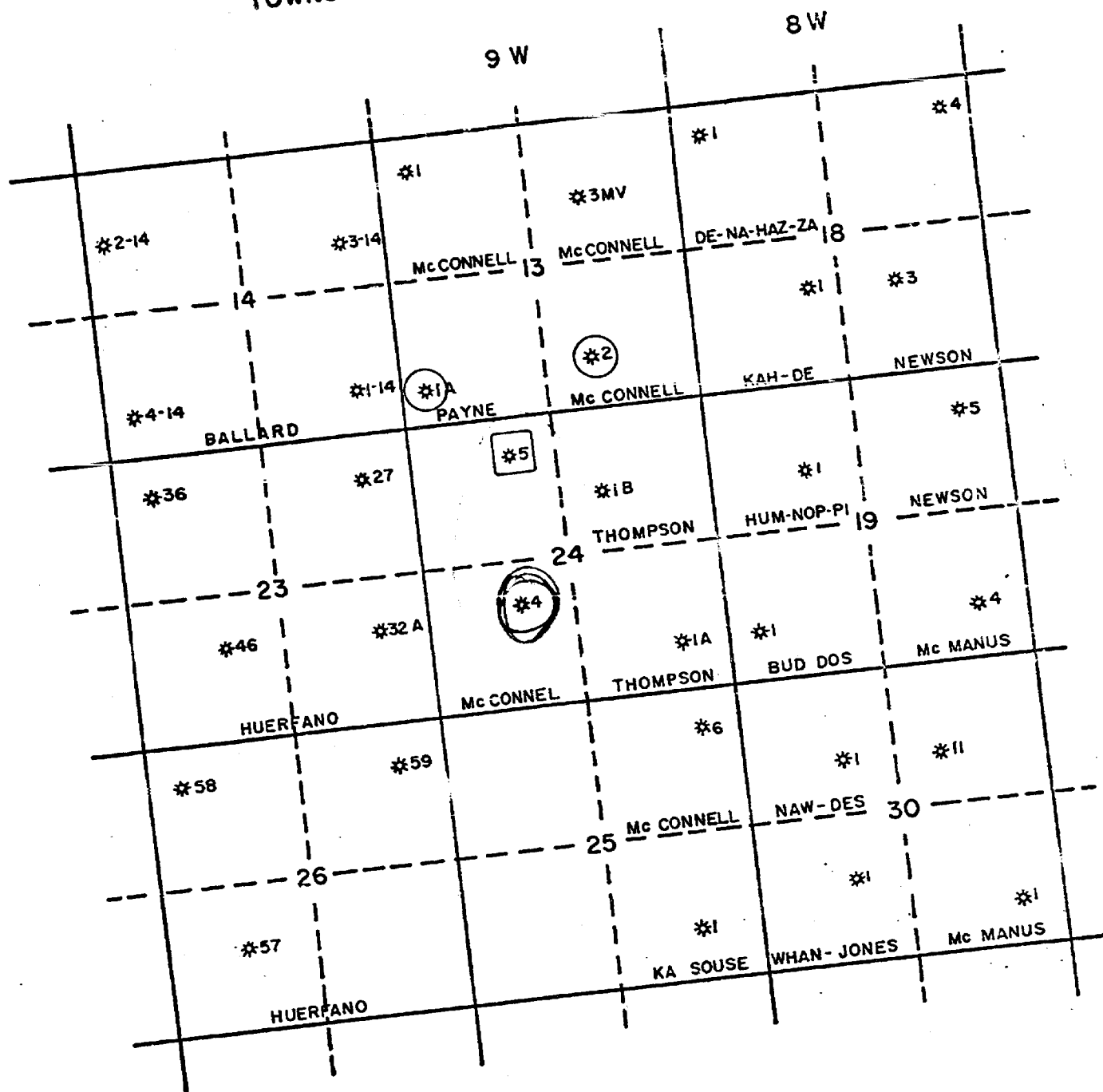
None

Proration Department

SAN JUAN COUNTY, NEW MEXICO

BALLARD P.C.

TOWNSHIP 26 N RANGE 8 8 9 W



Mc CONNELL #5

EPNG PRESSURE BUILD-UP TEST

TEST WELL DATA Ballard Pictured Cliffs Pool
Date May 10, 1961

TEST WELL: Operator: El Paso Natural Gas Company Well Name & No. McConnell #5
Location 1090 fr. N, 1650 fr. W lines, C Sec. 24 T. 26 N., R. 9 W
TD: 2082' Casing: 5-1/2" @ 2082' Tubing: 1-1/4" @ 1972'
Completed: August 31, 1956 First Delivery: January 3, 1957
Pay Zone: Open Hole Interval: _____ or Perforations: From 1996' to 2048'
Stimulation: Sand Water Fractured
SIPC: 617 SIPT: 617 DAYS SI: 7
I.P. Test: 6195 MCF, 3 hrs. 3/4" Choke: 4369 MCF AOF thru 4 1/2" or casing
Current Deliverability: 624 MCF, Date Tested: 4/6/60

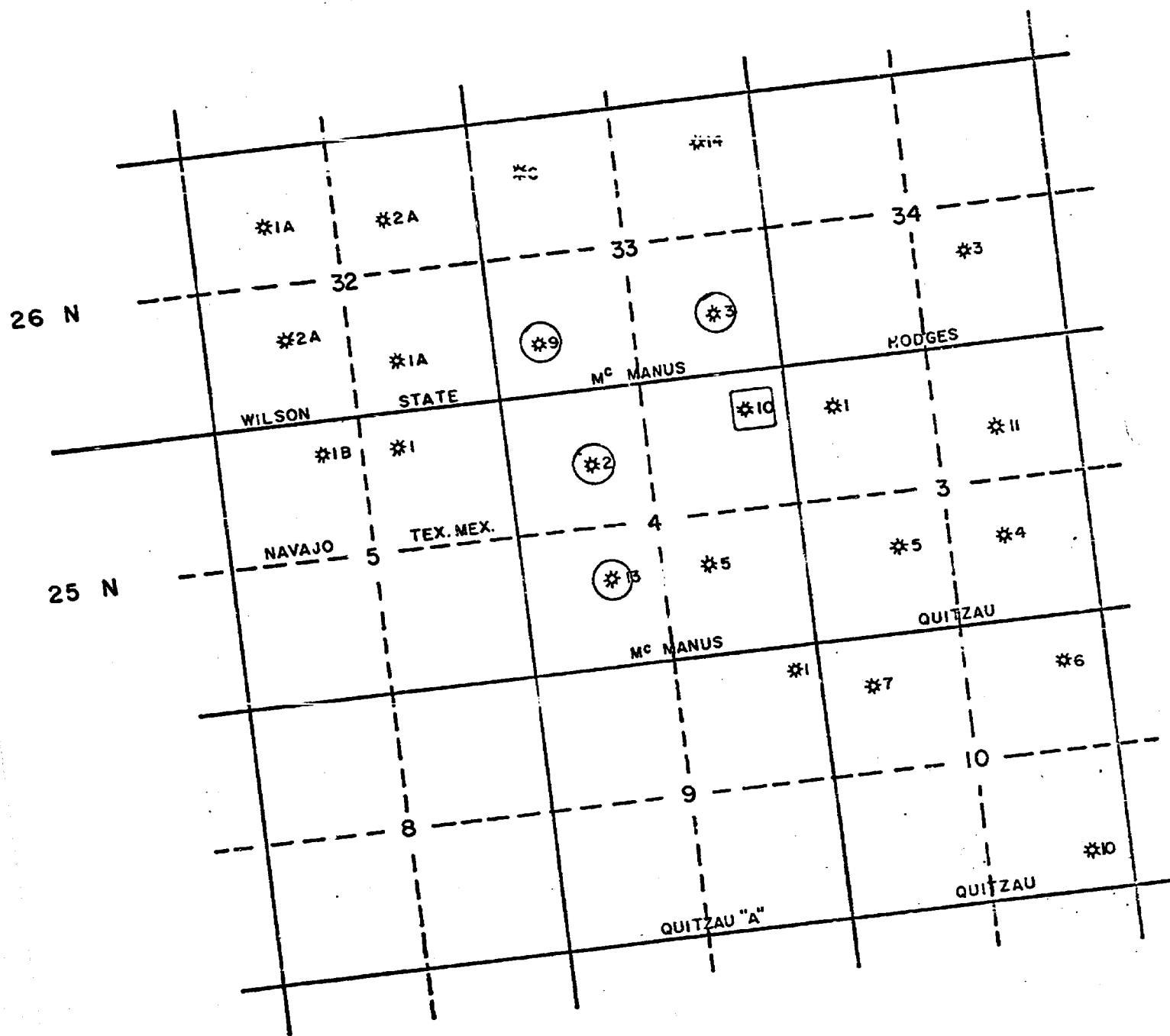
WELLS ON SAME BASIC LEASE

Name	Location	Deliverability	Date of Test
McConnell #2	O 13-26-9	136	1960
McConnell #4	K 24-26-9	960	1960
Payne 1-A	M 13-26-9	237	1960

ch

Proration Department

SAN JUAN COUNTY, NEW MEXICO
BALLARD P.C.
TOWNSHIP 25 & 26 N RANGE 8 W



Mc MANUS # 10

FPNG PRESSURE BUILD-UP TEST

TEST WELL DATA Ballard Pictured Cliffs Pool
Date May 10, 1961

TEST WELL: Operator: El Paso Natural Gas Company Well Name & No. McManus #10
Location 1050 fr. N, 1154 fr. E lines, A Sec. 4 T. 25 N., R. 8 W
TD: 2418' Casing: 5-1/2" @ 2361' Tubing: 1" @ 2393'
Completed: June 21, 1955 First Delivery: September 13, 1955
Pay Zone: Open Hole Interval: _____ or Perforations: 2356' to 2418'
Stimulation: Sand Oil Fractured
SIPC: 662 SIPT: 662 DAYS SI: 14
I. P. Test: 2506 MCF, 3 hrs. _____ Choke: _____ MCF AOF thru ~~100%~~ or casing
Current Deliverability: 494 MCF, Date Tested: 4/6/60

WELLS ON SAME BASIC LEASE

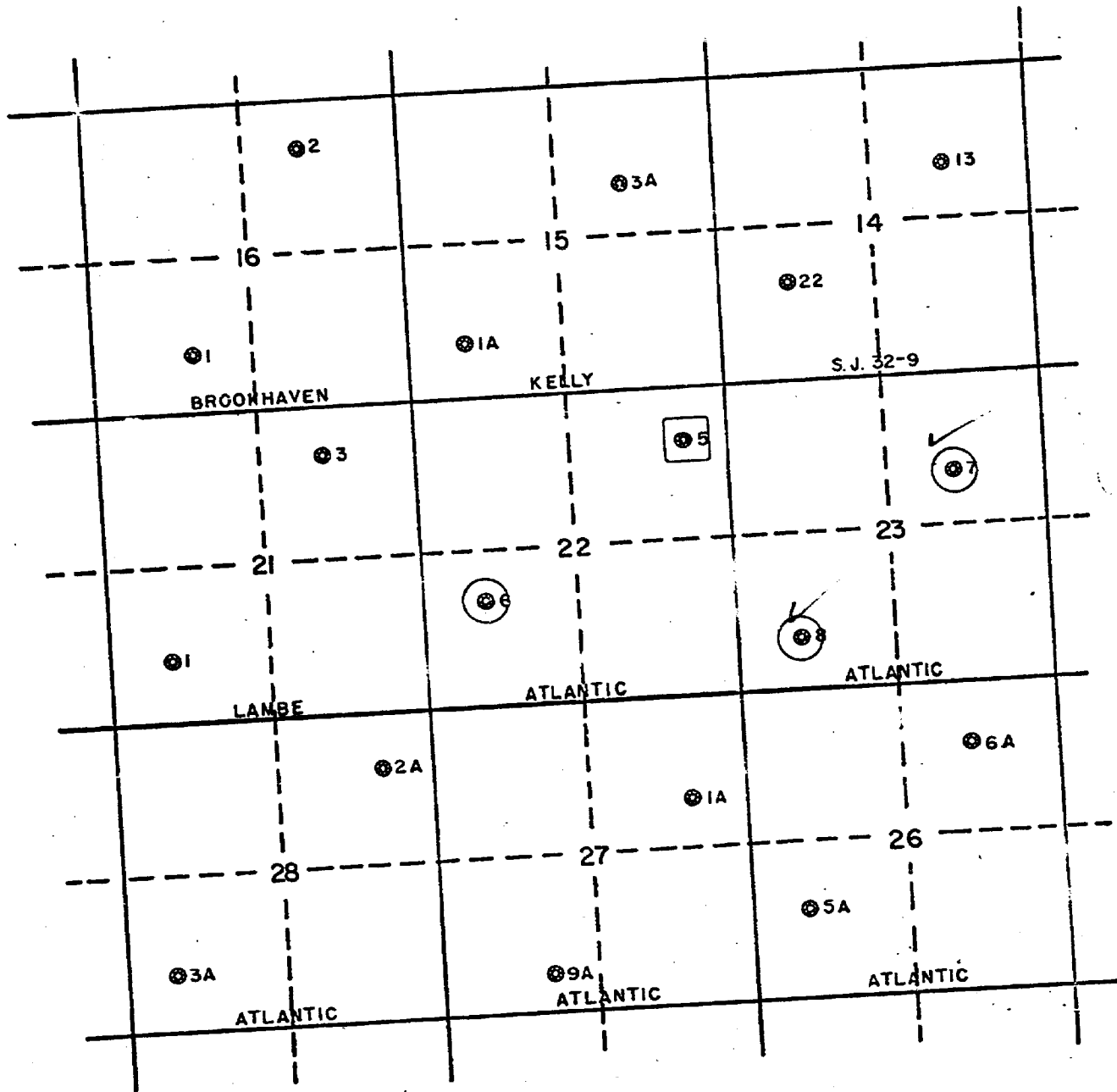
Name	Location	Deliverability	Date of Test
McManus #2	F 4-25-8	239	1960
McManus #3	J 33-26-8	89	1960
McManus #9	M 33-26-8	561	1960
McManus #13	N 4-25-8	157	1960

Proration Department

SAN JUAN COUNTY, NEW MEXICO

BLANCO M.V.

TOWNSHIP 31 N RANGE 10 W



ATLANTIC #5

EPNG PRESSURE BUILD-UP TEST

TEST WELL DATA Blanco Mesa Verde Pool

Date May 10, 1961

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

Location 990 fr. N, 990 fr. E lines, A Sec. 22 T. 31 N., R. 10 W

TD: 5475' Casing: 7" @ 4725' Tubing: 2" @ 5393'

Completed: June 24, 1953 First Delivery: September 16, 1953

Pay Zone: Open Hole Interval: _____ or Perforations: 4775' to 5475'

Stimulation: Shot w/1700 Qt. S. N. G.

SIPC: 1086 SIPT: 1082 DAYS SL: 10

I. P. Test: 7408 MCF, 3 hrs. _____ Choke: _____ MCF AOF thru tubing or casing

Current Deliverability: 1527 MCF, Date Tested: 2/22/60

WELLS ON SAME BASIC LEASE

Name	Location	Deliverability	Date of Test
Atlantic #6	L 22-31-10	902	1960

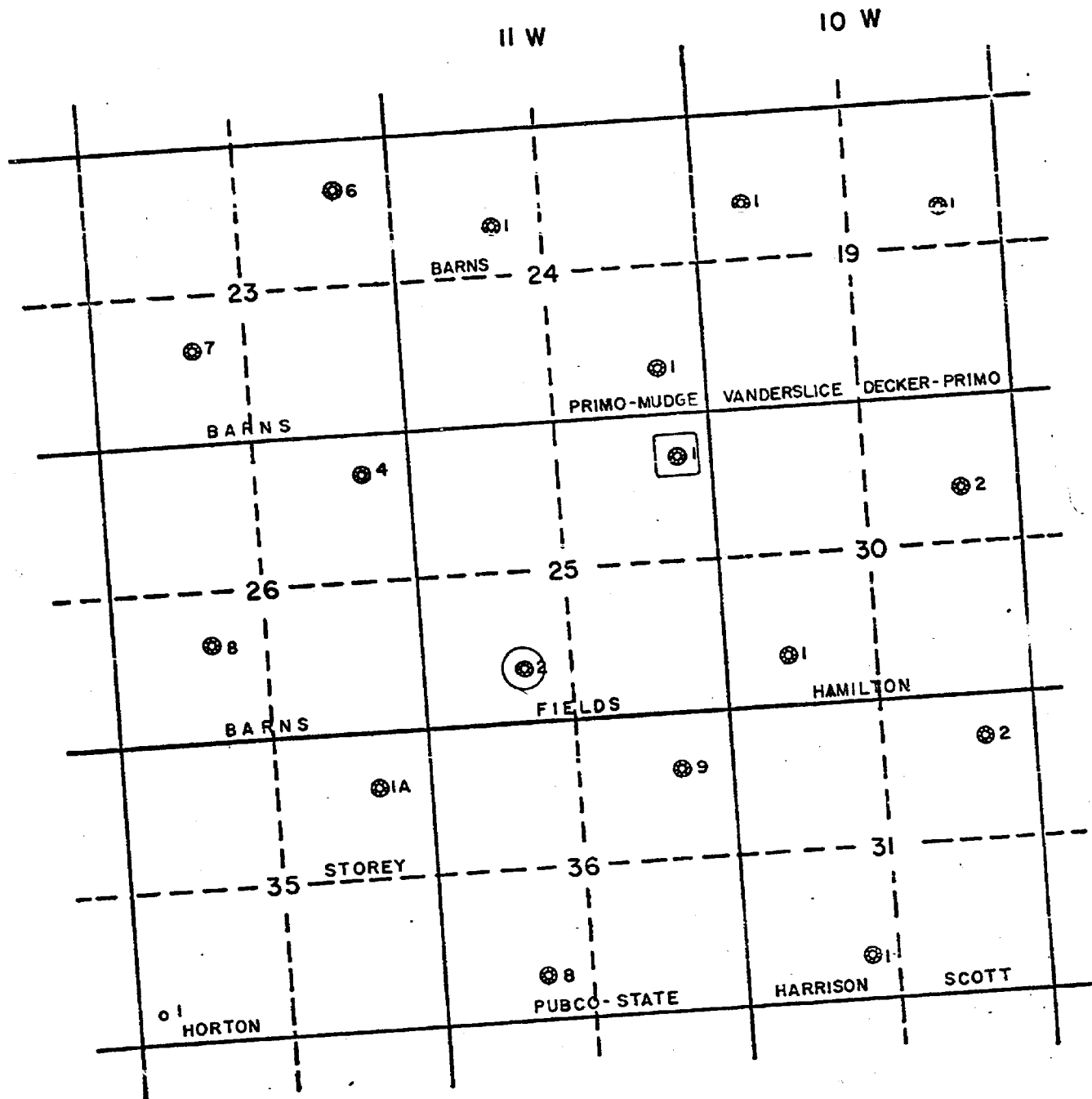
use
#7
#8

Proration Department

SAN JUAN COUNTY, NEW MEXICO

BLANCO M.V.

TOWNSHIP 32 N RANGE 10 & 11 W



FIELDS #1

EPNG PRESSURE BUILD-UP TEST

TEST WELL DATA Blanco Mesa Verde Pool

Date May 10, 1961

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

Location 990 fr. N, 990 fr. E lines, A Sec. 25 T. 32 N., R. 11 W

TD: 5458' Casing: 7" @ 4705' Tubing: 2" @ 5375'

Completed: May 12, 1953 First Delivery: October 26, 1953

Pay Zone: Open Hole Interval: _____ or Perforations: 4798' to 5458'

Stimulation: Shot w/1440 Qt. S.N.G.

SIPC: 1088 SIPT: 1078 DAYS SL: 8

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

Current Deliverability: 236 MCF, Date Tested: 7/22/60

WELLS ON SAME BASIC LEASE

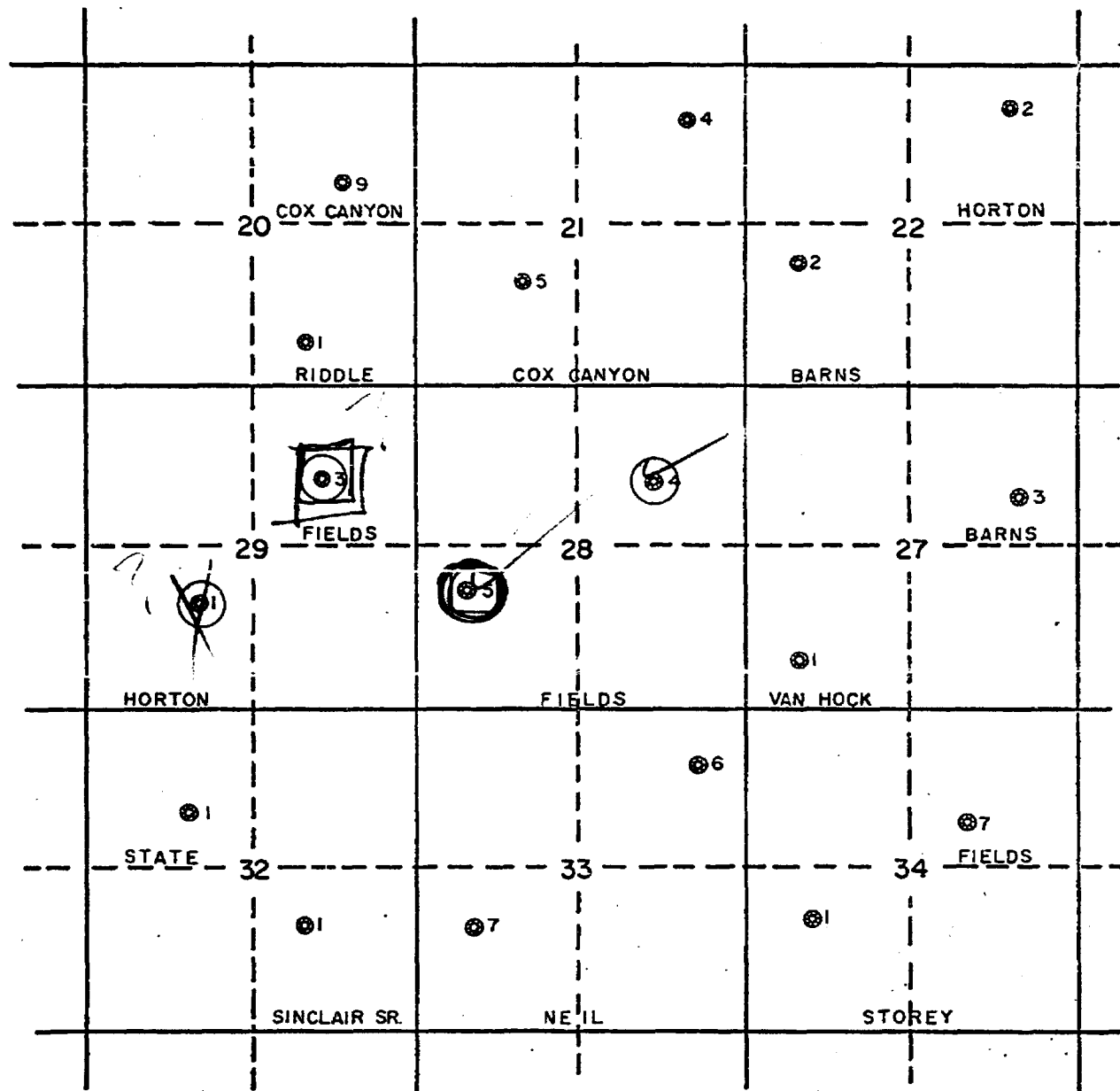
Name	Location	Deliverability	Date of Test
Fields #2	N 25-32-11	390	1960

Proration Department

SAN JUAN COUNTY, NEW MEXICO

BLANCO M.V.

TOWNSHIP 32 N RANGE 11 W



FIELDS #3

EPNG PRESSURE BUILD-UP TEST

TEST WELL DATA Blanco Mesa Verde Pool May 10, 1961

TEST WELL: Operator: El Paso Natural Gas Company Well Name & No. Fields #3
 Location 1548 fr. N, 1507 fr. E lines, G Sec. 29 T. 32 N., R. 11 W
 TD: 5700' Casing: 7" @ 4893 Tubing: 2" @ 5616
 Completed: 11-4-54 First Delivery: 11-4-54
 Pay Zone: Open Hole Interval: 4893 - 5700 or Perforations: _____
 Stimulation: Sand Oil Fractured
 SPC: 1004 SPT: 1004 DAYS SL: 7
 I.P. Test: 4295 MCF, 3 hrs. _____ Choke: _____ MCF AOF thru tubing or casing
 Current Deliverability: 340 MCF, Date Tested: 3-15-60

WELLS ON SAME BASIC LEASE

Name	Location	Deliverability	Date of Test
Fields #4	G 28-32-11	990	1960
Fields #5	L 28-32-11	1007	1960

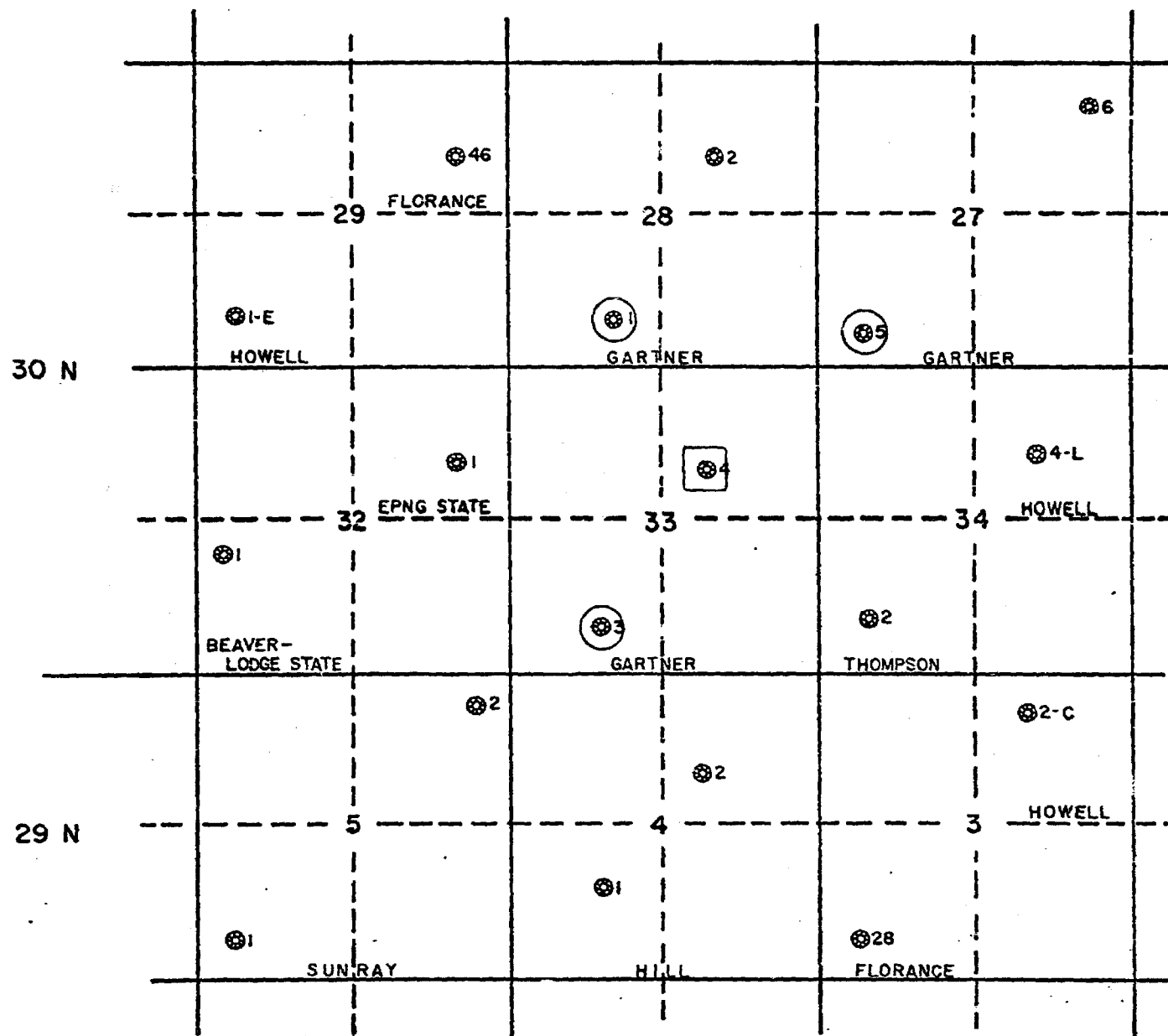
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28-32-11
sell

Proration Department

SAN JUAN COUNTY, NEW MEXICO

BLANCO M.V.

TOWNSHIP 29 & 30 N RANGE 8 W



GARTNER #4

EPNG PRESSURE BUILD UP TEST

TEST WELL DATA

Blanco Mesa Verde

Pool

Date May 10, 1961

TEST WELL: Operator: El Paso Natural Gas Company Well Name & No. Gartner #4

Location 1650 fr. N, 1090 fr. E lines, H Sec. 33 T. 30 N., R. 8 W

TD: 5457' Casing: 7" @ 4677' Tubing: 2-1/2" @ 5438'

Completed: December 5, 1952 First Delivery: August 27, 1953

Pay Zone: Open Hole Interval: _____ or Perforations: 4757' to 5457'

Stimulation: _____ Shot w/1635 Qt. S.N.G. _____ DAYS SI: 44

SIPC: 1099 SIPT: _____ MCF AOF thru tubing or casing

I.P. Test: 8656 MCF, 3 hrs. _____ Choke: _____ MCF, Date Tested: 7-29-60

Current Deliverability: 1692

WELLS ON SAME BASIC LEASE

Name	Location	Deliverability	Date of Test
Gartner #1	N 28-30-8	1395	1960
Gartner #3	N 33-30-8	2258	1960
Gartner #5	M 27-30-8	2146	1960

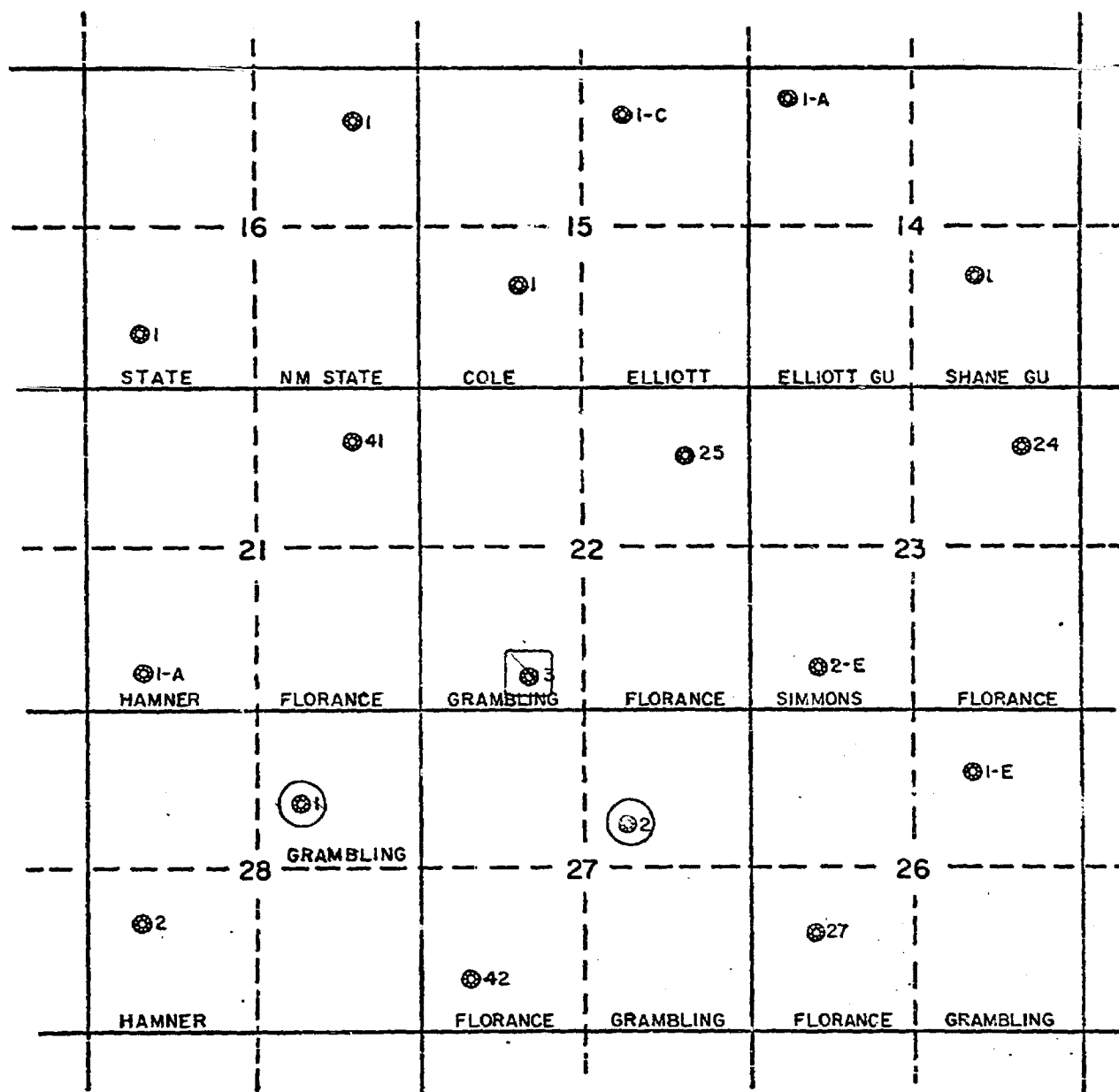
Transfer well.

Proration Department

SAN JUAN COUNTY, NEW MEXICO

BLANCO M.V.

TOWNSHIP 29 N RANGE 9 W



GRAMBLING #3

EPNG PRESSURE BUILD-UP TEST

TEST WELL DATA Blanco Mesa Verde Pool

Date May 10, 1961

TEST WELL: Operator: El Paso Natural Gas Company Well Name & No. Grambling 3

Location 990 fr. S, 1650 fr. W lines, N Sec. 22 T. 29 N., R. 9 W

TD: 4368' Casing: 7" @ 3725' Tubing: 2" @ 4168'

Completed: August 1, 1951 First Delivery: August 20, 1951

Pay Zone: Open Hole Interval: _____ or Perforations: 3778' to 4310'

Stimulation: Shot w/1420 Qt. of S.N.G.

SIPC: 1100 SIPT: 1100 DAYS SI: 13

I.P. Test: 700 MCF, 3 hrs. _____ Choke: _____ MCF AOF thru tubing or casing

Current Deliverability: 604 MCF, Date Tested: 2/29/60

WELLS ON SAME BASIC LEASE

Name	Location	Deliverability	Date of Test
Grambling #1	G 28-29-9	471	1960
Grambling #2	G 27-29-9	1880	1960

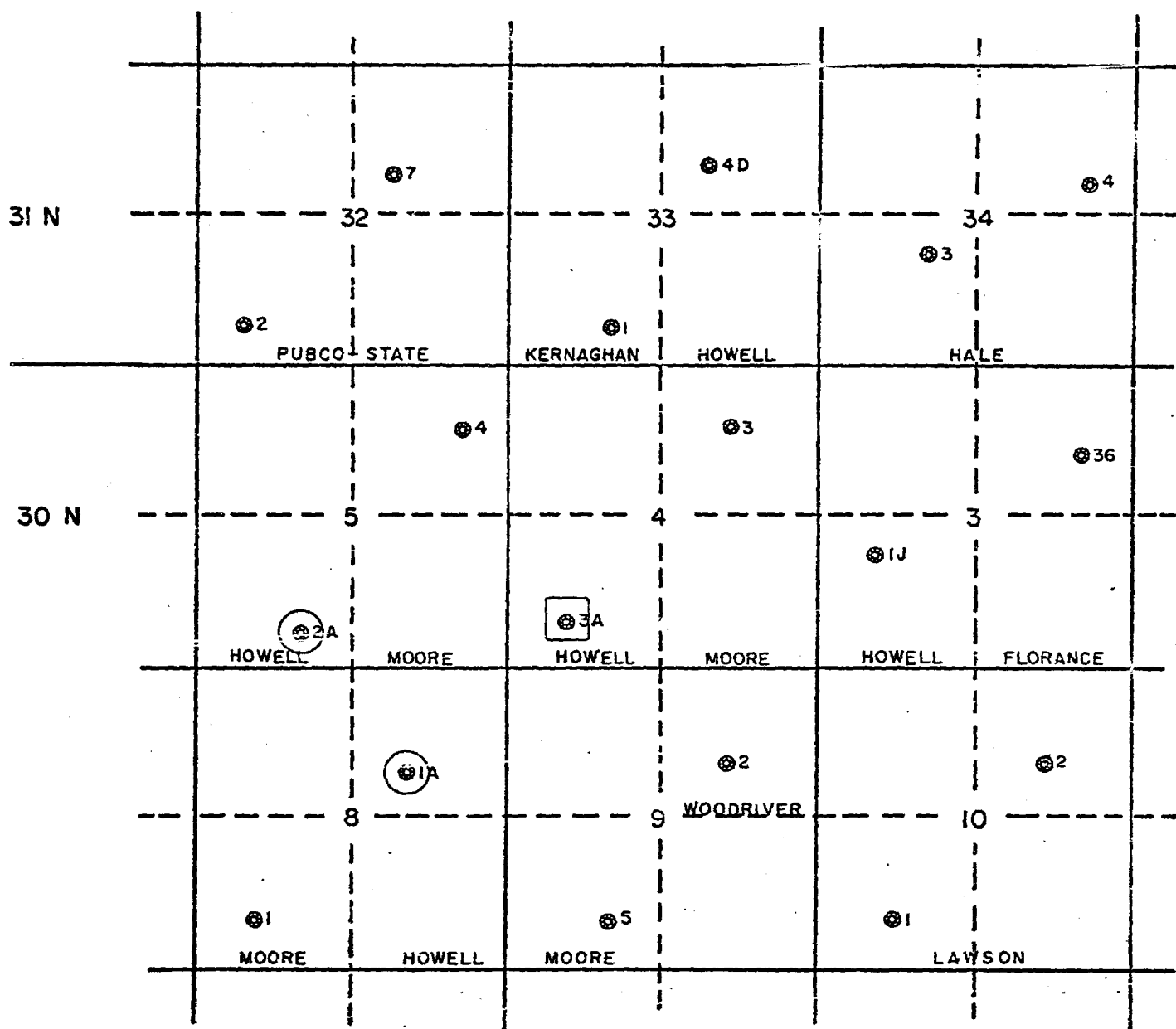
See separate well

Proration Department

SAN JUAN COUNTY, NEW MEXICO

BLANCO M.V.

TOWNSHIP 30 & 31 N RANGE 8 W



HOWELL * A.3

EPNG PRESSURE BUILD-UP TEST

TEST WELL DATA Blanco Mesa Verde Pool May 10, 1961

TEST WELL: Operator: El Paso Natural Gas Company Well Name & No. Howell 3-A
 Location 890 fr. S, 890 fr. W lines, M Sec. 4 T. 30 N., R. 8 W
 TD: 5404' Casing: 7" @ 4763' Tubing: 2" @ 5237'
 Completed: June 21, 1951 First Delivery: August 29, 1951
 Pay Zone: Open Hole Interval: _____ or Perforations 5358' to 5378'
 Stimulation: Shot w/1050 Qt. S.N.G.
 SIPC: 1088 SIPT: 1088 DAYS SI: 34
 I.P. Test: 3970 MCF, 3 hrs. _____ Choke: _____ MCF AOF thru tubing or casing
 Current Deliverability: 112 MCF, Date Tested: 5/22/60

WELLS ON SAME BASIC LEASE

Name	Location	Deliverability	Date of Test
Howell 1-A	G 8-30-8	2228	1960
Howell 2-A	N 5-30-8	440	1960

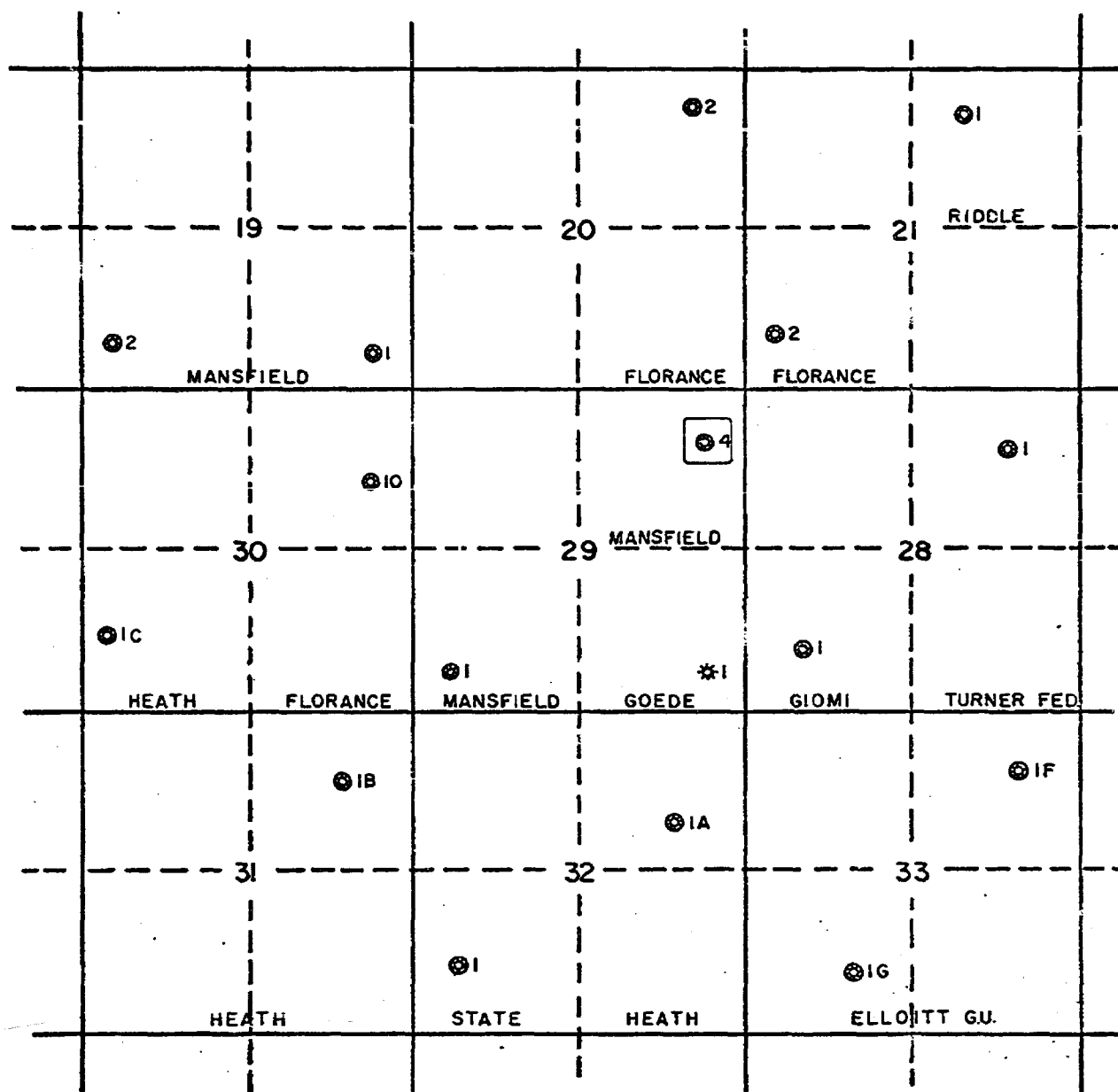
2 wells on same lease

Proration Department

SAN JUAN COUNTY, NEW MEXICO

BLANCO M.V.

TOWNSHIP 30 N RANGE 9 W



MANSFIELD #4

EPNG PRESSURE BUILD-UP TEST

TEST WELL DATA Blanco Mesa Verde Pool

Date May 10, 1961

TEST WELL: Operator: El Paso Natural Gas Company Well Name & No. Mansfield 4

Location 977 fr. N, 330 fr. E lines, A Sec. 29 T. 39 N., R. 9 W

TD: 5002' Casing: 5-1/2 @ 5002' Tubing: 2-1/2" @ 4912'

Completed: January 12, 1951 First Delivery: December 1, 1951

Pay Zone: Open Hole Interval: _____ or Perforations: 4218' to 4940'

Stimulation: _____

SIP: 1082 SIPT: 1069 DAYS SE: _____

I. P. Test: 4070 MCF, 3 hrs. _____ Choke: _____ MCF AOF thru tubing or casing

Current Deliverability: 1493 MCF, Date Tested: 2/22/60

WELLS ON SAME BASIC LEASE

Name	Location	Deliverability	Date of Test
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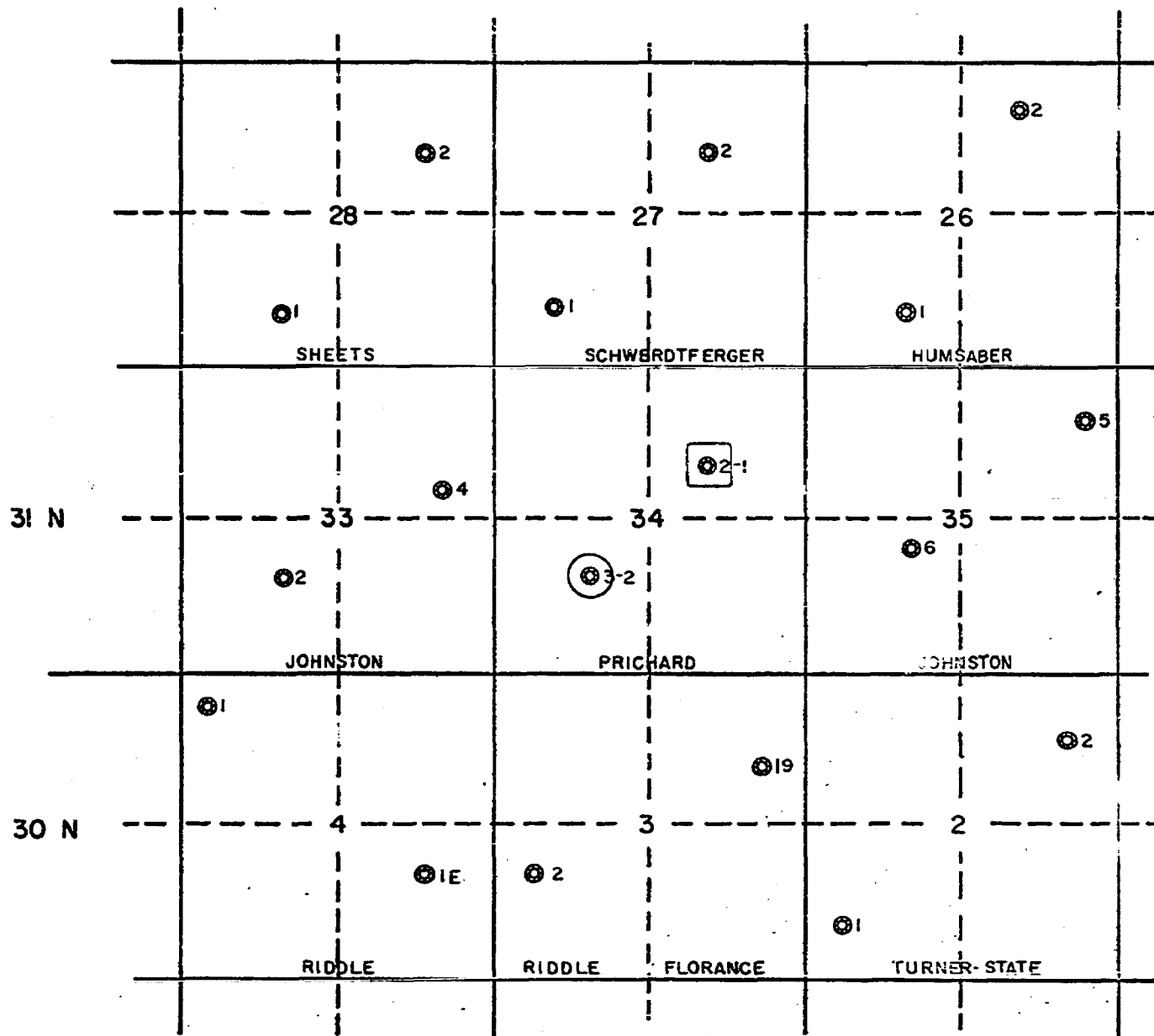
None

Proration Department

SAN JUAN COUNTY, NEW MEXICO

BLANCO M.V.

TOWNSHIP 30 & 31 N RANGE 9 W



PRICHARD #2-1

EPNG PRESSURE BUILD-UP TEST

TEST WELL DATA Blanco Mesa Verde Pool
Date May 10, 1961

TEST WELL: Operator: El Paso Natural Gas Company Well Name & No. Prichard 2-1
Location 1180 fr. N, 1850 fr. E lines, B Sec. 34 T. 31 N., R. 9 W
TD: 5272' Casing: 7" @ 4507' Tubing: 2" @ 5222'
Completed: July 24, 1952 First Delivery: August 4, 1952
Pay Zone: Open Hole Interval: _____ or Perforations: 4604' to 5272'
Stimulation: Shot w/1470 Qt. S.N.G.
SIPC: 1101 SIPT: 1099 DAYS SE: 53
I.P. Test: 5122 MCF, 3 hrs. _____ Choke: _____ MCF AOF thru tubing or casing
Current Deliverability: 786 MCF, Date Tested: 4/14/60

WELLS ON SAME BASIC LEASE

Name	Location	Deliverability	Date of Test
<u>Prichard 3-2</u>	<u>K 34-31-9</u>	<u>1061</u>	<u>1960</u>

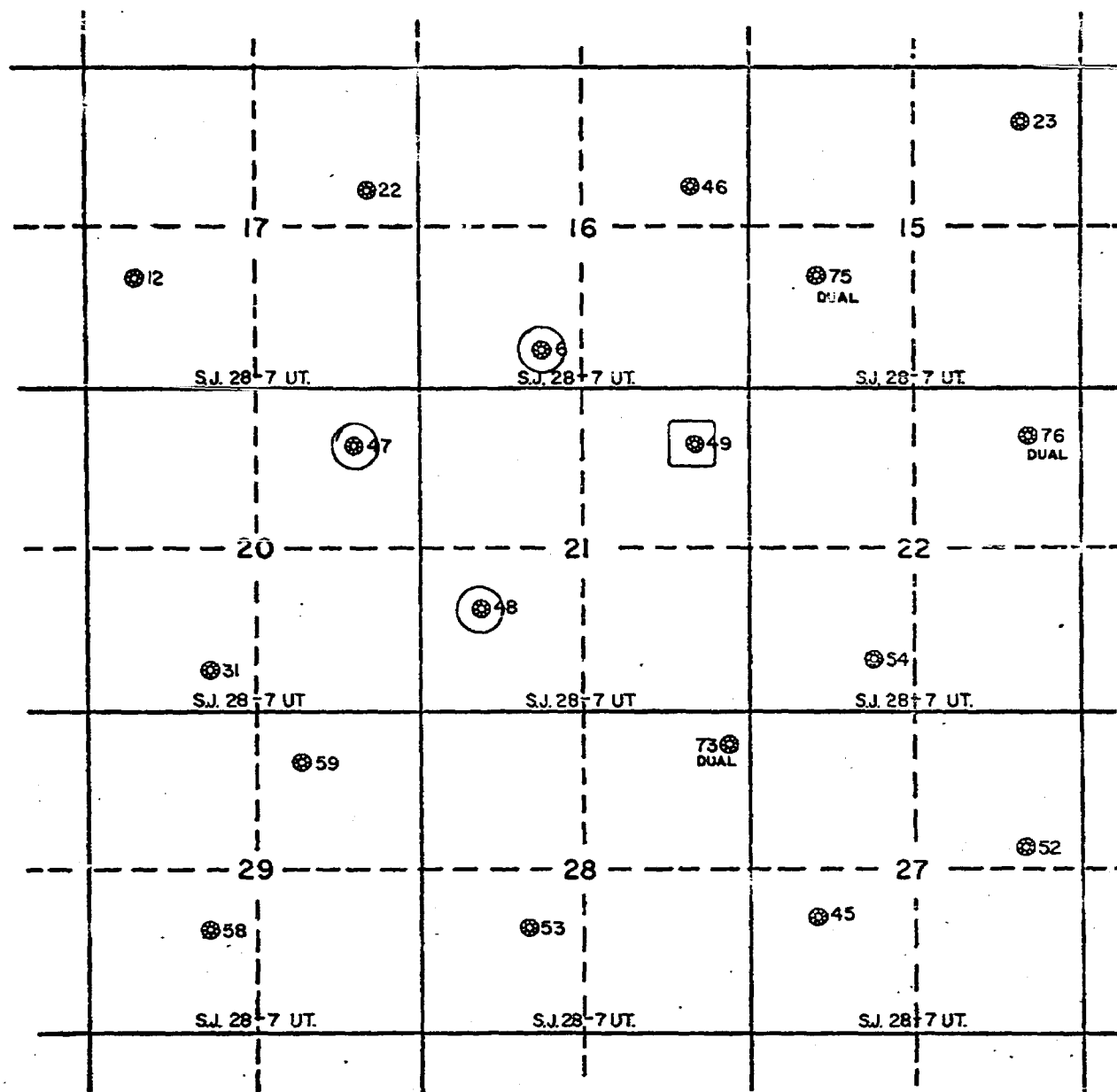
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to file*

Proration Department

SAN JUAN COUNTY, NEW MEXICO

BLANCO M.V.

TOWNSHIP 28 N RANGE 7 W



S.J. 28-7 UT. #49

EPNG PRESSURE BUILD-UP TEST

TEST WELL DATA Blanco Mesa Verde Pool

Date May 10, 1961

TEST WELL: Operator: El Paso Natural Gas Company Well Name & No. San Juan Ut. 28-7 #49

Location 969 fr. N, 1550 fr. E lines, B Sec. 21 T. 28 N., R. 7 W

ID: 5245' Casing: 5 1/2 @ 5245' Tubing: 2" @ 5142'

Completed: September 7, 1956 First Delivery: March 21, 1957

Pay Zone: Open Hole Interval: _____ or Perforations: 4426' to 5064'

Stimulation: Sand Water Fractured

SIPC: 1076 SIPT: 1068 DAYS SI: 7

I.P. Test: 7240 MCF, 3 hrs. 3/4 Choke: 4333 MCF AOF thru tubing or ~~4474~~

Current Deliverability: 521 MCF, Date Tested: 5/22/60

WELLS ON SAME BASIC LEASE

<u>Name</u>	<u>Location</u>	<u>Deliverability</u>	<u>Date of Test</u>
SJU 28-7 #6	N 16-28-7	71	1960
SJU 28-7 #47	A 20-28-7	1403	1960
SJU 28-7 #48	L 21-28-7	291	1960

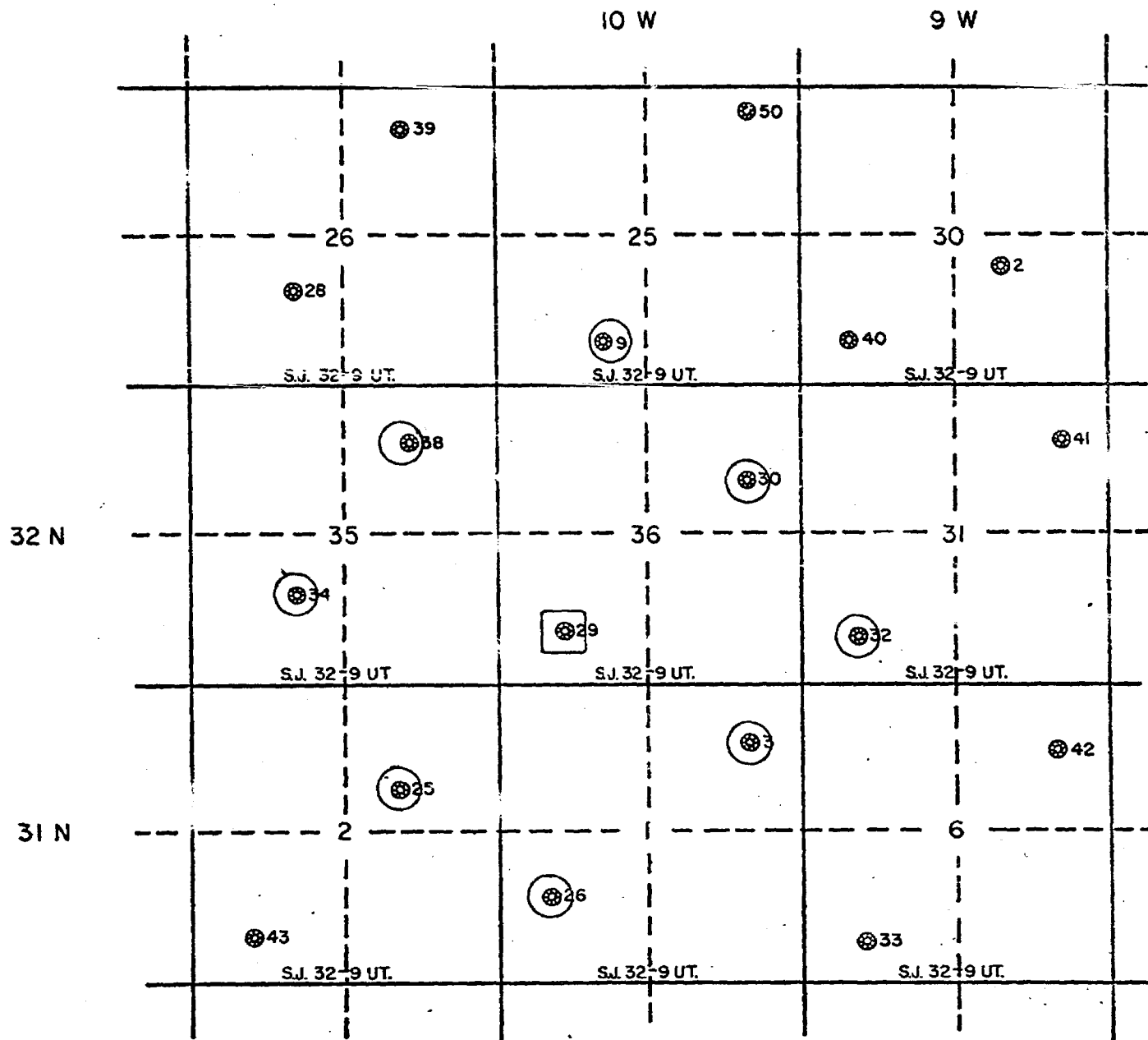
Signature
Wells

Proration Department

SAN JUAN COUNTY, NEW MEXICO

BLANCO M.V.

TOWNSHIP 31 & 32 N RANGE 9 & 10 W



S.J. 32-9 UT. #29

EPNG PRESSURE BUILD-UP TEST

TEST WELL DATA	Blanco Mesa Verde	Pool
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Date May 10, 1961

TEST WELL: Operator: El Paso Natural Gas Company Well Name & No. S. J. 32-9 #29

Location 1140 fr. S , 850 fr. W lines, M Sec. 36 T. 32 N., R. 10 W

TD: 5920' Casing: 7" @ 5371' Tubing: 2" @ 5886'

Completed: August 23, 1955 **First Delivery:** January 26, 1956

Pay Zone: Open Hole Interval: or Perforations: 5371' to 5515'

Stimulation: Sand Oil Fractured

SIPC: 1037 **SIPT:** 1038 **DAYS SL:** 20

I. P. Test: 19,529 MCF, 3 hrs. Choke: MCF AOF thru tubing or casing

Current Deliverability: 2193 **MCF, Date Tested:** 9/22/60

WELLS ON SAME BASIC LEASE

<u>Name</u>	<u>Location</u>	<u>Deliverability</u>	<u>Date of Test</u>
SJU 32-9 #3	A 1-31-10	753	1960
SJU 32-9 #9	N 25-32-10	290	1960
SJU 32-9 #25	G 2-31-10	1843	1960
SJU 32-9 #26	L 1-31-10	1094	1960
SJU 32-9 #30	H 36-32-10	701	1960
SJU 32-9 #32	M 31-32-9	794	1960
SJU 32-9 #34	K 35-32-10	699	1960
SJU 32-9 #38	B 35-32-10	2070	1960

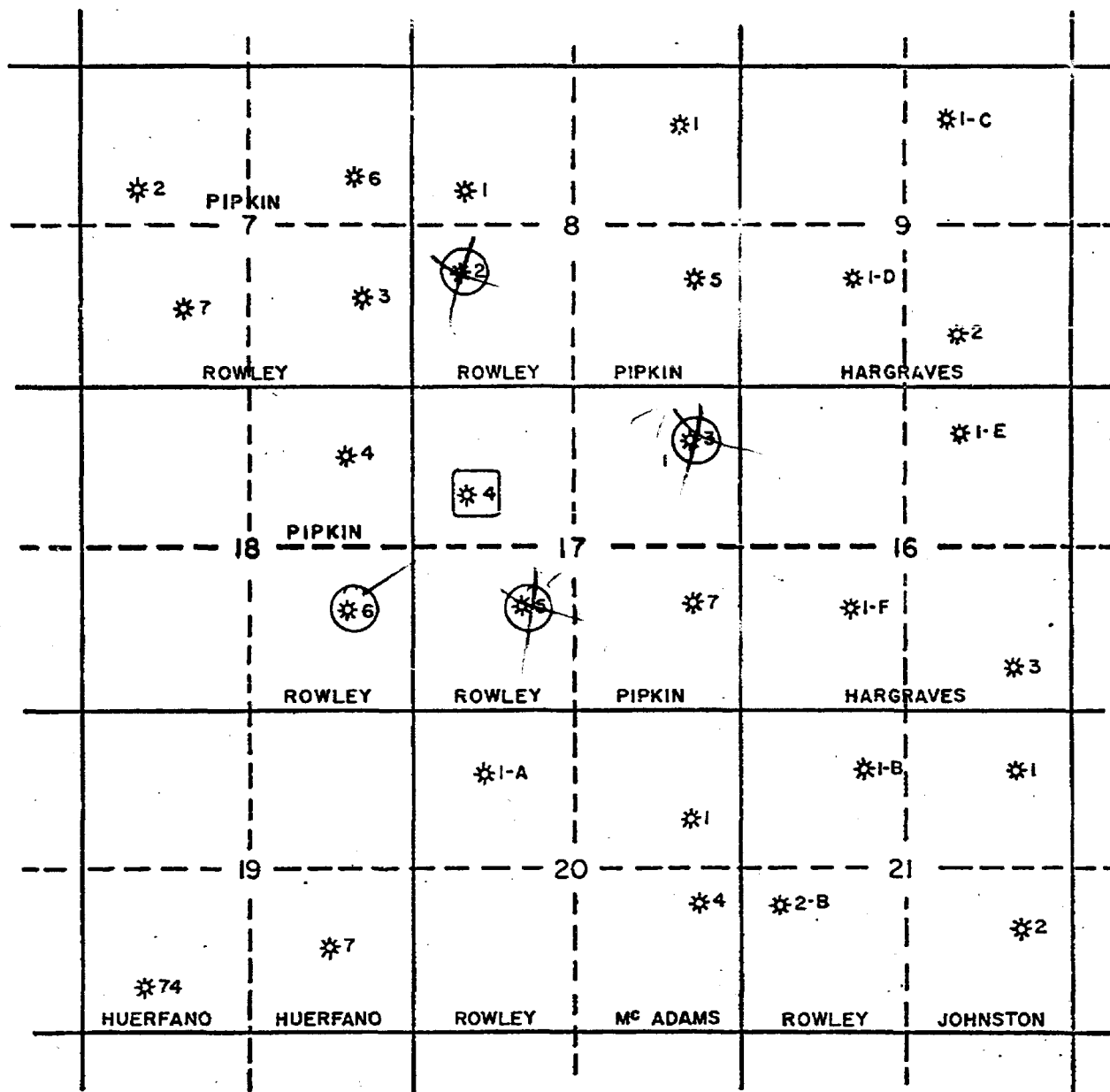
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wells

Proration Department

SAN JUAN COUNTY, NEW MEXICO

FULCHER KUTZ P.C.

TOWNSHIP 27 N RANGE 10 W



ROWLEY #4

EPNG PRESSURE BUILD-UP TEST

TEST WELL DATA Fulcher Kutz Pictured Cliffs Pool

Date May 10, 1961

TEST WELL: Operator: El Paso Natural Gas Company Well Name & No. Rowley #4

Location 1650 fr. N, 890 fr. W lines, E Sec. 17 T. 27 N., R. 10 W

TD: 1878' Casing: 5-1/2" A 1785' Tubing: 1" @ 1860'

Completed: January 1, 1953 First Delivery: April 16, 1953

Pay Zone: Open Hole Interval: _____ or Perforations: 1795' to 1885'

Stimulation: Shot w/220 Qt. S.N.G.

SIPC: 475 SIPT: _____ DAYS SE: 8

I. P. Test: 324 MCF, 3 hrs. _____ Choke: _____ MCF AOF thru tubing or casing

Current Deliverability: 116 MCF, Date Tested: 7/11/60

WELLS ON SAME BASIC LEASE

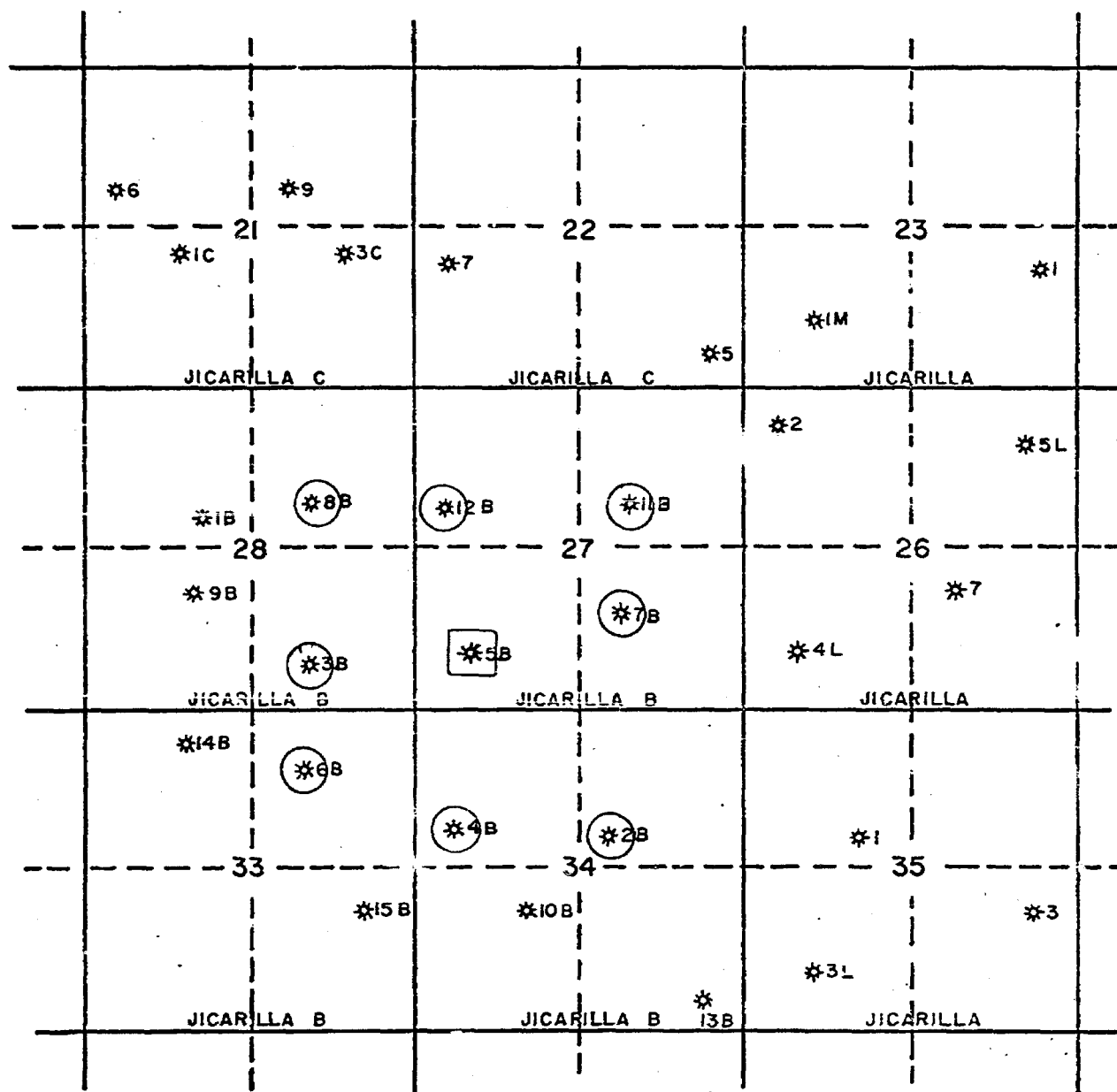
Name	Location	Deliverability	Date of Test
Rowley #6	I 18-27-10	58	1960

Proration Department

SAN JUAN COUNTY, NEW MEXICO

SOUTH BLANCO P.C.

TOWNSHIP 25N RANGE 4W



JICARILLA #5 B

EPNG PRESSURE BUILD-UP TEST

TEST WELL DATA South Blanco Pictured Cliffs Pool
Date May 10, 1961

TEST WELL: Operator: El Paso Natural Gas Company Well Name & No. Jicarilla 5-B
Location 950 fr. S, 925 fr. W lines, M Sec. 27 T. 25 N., R. 4 W

TD: 3270' Casing: 5-1/2" @ 3270' Tubing: 2" @ 3093'
Completed: April 24, 1957 First Delivery: December 14, 1957

Pay Zone: Open Hole Interval: _____ or Perforations: 3160' to 3198'
Stimulation: Sand Water Fractured DAYS SI: 17

SIPC: 994 SIPT: 994 Choke: 4427 MCF AOF thru tubing or casing
I. P. Test: 12,108 MCF, 3 hrs. 3/4" MCF, Date Tested: 9/14/60

Current Deliverability: 1054

WELLS ON SAME BASIC LEASE

Name	Location	Deliverability	Date of Test
Jicarilla 2-B	G 34-25-4	1035	1960
Jicarilla 3-B	O 28-25-4	172	1960
Jicarilla 4-B	D 34-25-4	1594	1960
Jicarilla 6-B	B 33-25-4	1168	1960
Jicarilla 7-B	J 27-25-4	255	1960
Jicarilla 8-B	G 28-25-4	690	1960
Jicarilla 11-B	G 27-25-4	352	1960
Jicarilla 12-B	E 27-25-4	322	1960

Proration Department