CASE 3672: Application of CHAS.

B. READ & LEN MAYER FOR BACK

ALLOWABLE, EDDY COUNTY, N.M.

55.

APPlication,
Transcripts,
SMAIL Exhibits
Etc.

### GOVERNOR DAVID F. CARGO CHAIRMAN

# State of New Mexico Gil Conservation Commission

LAND COMMISSIONER GUYTON B. HAYS MEMBER



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

December 5, 1967

Mr. Jason Kellahin Kellahin & Fox Attorneys at Law Post Office Box 1769 Santa Fe, New Mexico Re: Case No. 3672
Order No. R-3353
Applicant:

Charles B. Read & Len Mayer

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

ALP/ir	
Carbon copy of order also sent to:	
Hobbs OCC X Artesia OCC X	
Aztec OCC	

## 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. 3672 Order No. R-3353

APPLICATION OF CHARLES B. READ AND LEN MAYER FOR BACK ALLOWABLE, EDDY COUNTY, NEW MEXICO.

## ORDER OF THE COMMISSION

## BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on October 25, 1967, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 4th day of December, 1967, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, 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 applicants, Charles B. Read and Len Mayer, are the owners and operators of the Irene Brainard Well No. 1, located in Unit E of Section 20, Township 18 South, Range 26 East, NMPM, Atoka-Pennsylvanian Pool, Eddy County, New Mexico.
- (3) That the applicants seek the assignment to the subject well of back allowable for the period from April 7, 1967, date of completion of said well, to August 3, 1967, date of Federal Power Commission approval for the sale of gas from the subject well.
- (4) That Rule 1.104 (2) of the Commission Rules and Regulations provides that unless otherwise specified by special pool rules, the allowable assigned to a gas well shall be effective at 7:00 o'clock a.m. on the date of connection to a gas transportation facility, as evidenced by an affidavit of connection from the

-2-CASE No. 3672 Order No. R-3353

purchaser to the Commission, or the date of receipt of Form C-104 by the Commission, whichever date is later.

- (5) That final application for temporary authority for the sale of gas from the subject well was filed with the Federal Power Commission on June 30, 1967.
- (6) That the Federal Power Commission approved the sale of gas from the subject well within a reasonable period of time after final application therefor had been filed.
- (7) That at no time from April 7, 1967, date of completion of said well, to September 13, 1967, date of connection to a gas transportation facility, was the subject well unreasonably discriminated against through denial of access to a gas transportation facility.
  - (8) That the subject application should be denied.

## IT IS THEREFORE ORDERED:

- (1) That the subject application is hereby denied.
- (2) 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

QIL CONSERVATION COMMISSION

DAVID F. CARGO, Chairman

GUYTON B. HAYS, Mamber

. L. PORTER, Jr., Member & Secretary

esr/

(ase 3672 Lecid 10-25-67 Ker. 11-16-67 Grant Chas. Read & Lin Meyer Ellowable, on their drene Brainand Les Com #1, E-20-185-26E, atoka Renn Ga Port, for the period of time attributable to pederal Varver Commission deldy i giving them outhority to seel gas into interstate Commence. La my spenion ther would be from. Hoy 19, 1967 thm lug 3,1867! May 13 daysallowate. June .30 Ouly 31 - 3 c - 77 duys. The well were completed 4-7-67. + Connected 9-13-67. The bowould not be assigning cellowable forthe Sperator dely in requesting F.P.C. opproved on the pipelines delay in getter the connection made. Thus a. It

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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, Alternate Examiner:

- CASE 3668: Application of Mobil Oil Corporation for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the triple completion (conventional) of its Bridges State Well No. 121 located in Unit L of Section 13, Township 17 South, Range 34 East, Lea County, New Mexico, to produce oil from the North Vacuum-Abo, Vacuum-Upper Pennsylvanian, and Vacuum-Middle Pennsylvanian Pools, through parallel strings of tubing.
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- CASE 3671: Application of Amerada Petroleum Corporation for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Pennsylvanian formation, Bagley Field, Lea County, New Mexico, through the following three wells, all located in Township 12 South, Range 33 East:

L. H. Chambers Well No. 2, Unit C of Section 11; Disposal Interval - 9005 to 9393 feet;

State BT "D" Well No. 4, Unit N of Section 2; Disposal Interval - 8979 to 9291 feet;

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- CASE 3673: Application of Ralph Lowe for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Yates formation in the interval 2964 feet to 2982 feet in his Humble State Well No. 1 located in Unit G of Section 36, Township 25 South, Range 36 East, Jalmat Pool, Lea County, New Mexico.
- CASE 3674: Application of Robert N. Enfield for the amendment of Order No. R-3189, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-3189 which pooled all mineral interests in the Chaveroo-San Andres Pool underlying the NW/4 NW/4 of Section 11, Township 8 South, Range 33 East, Chaves County, New Mexico. Applicant specifically seeks the amendment of paragraph (9) of Order No. R-3189 to fix \$125.00 per month as a reasonable charge for supervision and operational overhead for the subject well and to authorize the applicant to withhold from production the proportionate share of said \$125.00 and the proportionate share of actual operating costs of said well attributable to each non-consenting working interest.
- CASE 3675: Application of Gulf Oil Corporation for a unit agreement, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of the North Hackberry Yates Unit Area comprising 720 acres, more or less, of Federal Lands in Sections 23 and 24, Township 19 South, Range 30 East, Eddy County, New Mexico.
- CASE 3676: Application of Gulf Oil Corporation for a waterflood project, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project by the injection of water into the Yates formation through eight wells in Sections 23 and 24, Township 19 South, Range 30 East, North Hackberry-Yates Pool, Eddy County, New Mexico.
- CASE 3677:

  Application of Dugan Production Corporation for special pool rules, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks the promulgation of special pool rules for the Salt Creek-Dakota Oil Pool, San Juan County, New Mexico, to permit the drilling of wells on 2 1/2 acre spacing provided that no well be located nearer than 165 feet to the outer boundary of the quarter-quarter section and no nearer than 200 feet to another well producing from the same pool, and provided further, that a 40-acre proration unit would be subject to a 40-acre allowable regardless of the number of wells on the unit.
- CASE 3678:

  Application of Ryder Scott Management Company for a waterflood expansion, waterflood buffer zone, and several unorthodox locations, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the expansion of its Artesia-Nichols Waterflood Project,

Township 18 South, Range 28 East, Artesia Pool, Eddy County, New Mexico, by the conversion of its Western-Yates Collier State Well No. 1 located in Unit F of Section 20 and its Mershon State State Well No. 2 located in Unit D of Section 21. Applicant further proposes to drill three additional water injection wells at the following unorthodox locations in Section 20: 2650 feet from the North and West lines; 2650 feet from the North line and 1330 feet from the East line; and 1310 feet from the North line and 1330 feet from the East line. Applicant further seeks the designation of the W/2 NW/4 of Section 21 and the SW/4 NW/4, E/2 NW/4, NE/4, and W/2 SE/4 of Section 20 and the NW/4 NE/4 of Section 29 as a waterflood buffer zone with capacity allowables, or as an area wherein transfer of allowable between leases would be permitted.

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## CASE 3680:

Application of Texaco Inc. for an unorthodox location, Roosevelt County, New Mexico. Applicant, in the above-styled cause social authority to recomplete its State "CT" Well No. 4 at an unorthodox location 660 feet from the North line and 1980 feet from the West line of Section 35, Township 7 South, Range 35 East, in the Todd-Upper San Andres Pool, Roosevelt County, New Mexico, in exception to the pool rules which require wells to be located in the NE/4 or the SW/4 of the Section.

# OIL CONSERVATION COMMISSION P. O. BOX 2088 SANTA FE, NEW MEXICO

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A. L. PORTER, Jr., Director.

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## BEFORE THE

## OIL CONSERVATION COMMISSION OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF CHARLES B. READ AND LEN MAYER FOR ASSIGNMENT OF BACK ALLOWABLE TO THEIR NO. 1 IRENE BRAINARD WELL, EDDY COUNTY, NEW MEXICO

Core 3612

## APPLICATION

Come now CHARLES B. READ and LEN MAYER and apply to the Oil Conservation Commission of New Mexico for the assignment of back allowable to their No. 1 Irene Brainard Well, in the Atoka-Pennsylvanian Gas Pool, Eddy County, New Mexico, and in support thereof would show the Commission:

- 1. Applicants drilled and completed the No. 1 Trene Brainard Well located 990 feet from the West line and 1650 feet from the North line of Section 20, Township 18 South, Range 26 East, N.M.P.M., Eddy County, New Mexico, for the production of gas from the "Morrow Sand" pay of the Atoka-Pennsylvanian Gas Pool, with a calculated absolute open flow of 15,000,000 cubic feet of gas per day.
  - 2. Said well is located in a prorated gas pool.
- 3. The No. 1 Irene Brainard well was completed on April 7, 1967, and was ready to produce gas as of that date.
- 4. The majority of acreage on the 320 acre gas unit which is dedicated to the well, was committed under a prior gas contract to Transwestern Pipeline Company, an interstate gas carrier.
- 5. In order to sell gas, it was necessary for applicants to request a temporary Certificate of Convenience and Necessity

DOCKET MAILED

Date 10-11-67

from the Federal Power Commission, application for which was filed with the Federal Power Commission, dated May 19, 1967.

- 6. Approval of the application to the Federal Power Commission was granted under date of August 3, 1967, received and accepted by applicants as operators of the well, on August 8, 1967.
- 7. At all times pertinent to this application, applicants had a buyer ready, willing and able to purchase gas from the No. 1 Trene Brainard well.
- 8. The No. 1 Irene Brainard well was capable at all times pertinent to this application of making the allowable that would have been assigned to it, had gas sales been approved by the Federal Power Commission, and is presently capable of making up any back allowable that may be assigned to it.
- 9. Due to the long and unreasonable delay of the Federal Power Commission in granting approval to applicants' application for a temporary Certificate of Convenience and Necessity, applicants have been deprived of the right to produce their just and equitable share of the gas in the Atoka-Pennsylvanian Gas Pool.
- 10. Due to the long and unreasonable delay of the Federal Power Commission in granting approval to applicants' application for a temporary Certificate of Convenience and Necessity, applicants well has been unreasonably discriminated against through denial of access to a gas transportation facility capable of handling the gas produced from said well.
  - 11. In order to protect the correlative rights of

applicants, back allowable should be assigned to the No. 1 Irene Brainard well for the period April 7, 1967, to August 3, 1967, or such portion thereof as the Commission may determine.

WHEREFORE, applicants pray that this case be set for hearing before the Commission, or before the Commission's duly appointed examiner, and that after notice and hearing as required by law the Commission enter its order approving the assignment of back allowable to the No. 1 Irene Brainard well as prayed for.

Respectfully submitted,
CHARLES B. READ and LEN MAYER

KELLAHIN & FOX
POST OFFICE BOX 1769
SANTA FE, NEW MEXICO

ATTORNEYS FOR APPLICANTS

dearnley-meier reporting service, inc.

SPECIALIZING IN: DEPOSITIONS, HEARINGS, STATE MENTS. EXPERT TESTIMONY, DAILY COPY, CONVENTIONS

1120 SIMMS BLDG. . P. O. BOX 1092 . PHONE 243-6691 . ALBUQUERQUE, NEW MEXICO

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
October 25, 1967

IN THE MATTER OF:

Case No. 3672

Application of Charles B. Read ) and Len Mayer for back ) Allowable, Eddy County, New Mexico)

BEFORE: Elvis A. Utz, Fxaminer.

TRANSCRIPT OF HEARING



MR. UTZ: The next case will be case 3672.

MR. HATCH: Case 3672, Application of Charles B. Read and Len Mayer for back allowable, Eddy County, New Mexico.

(Whereupon, Applicant's Exhibits 1 through 12 were marked for identification.)

MR. KELLAHIN: If the Examiner please, Jason Kellahin of Kellahin and Foxx, Santa Fe, appearing for the applicant. We have one witness I would like to have sworn.

## (Witness sworn)

C H A R L E S B. R E A D, called as a witness, having been first duly sworn, was examined and testified as follows:

## DIRECT EXAMINATION

## BY MR. KELLAHIN:

- Q Would you state your name, please?
- A Charles B. Read.
- Q What business are you engaged in, Mr. Read?
- A I'm an independent oil operator.
- Q Are you one of the Applicants in Case 3672?
- A Yes, I am.
- Q Mr. Read, have you testified before the Oil Conservation Commission, and made your qualifications as

a professional engineer a matter of record?

A Yes, sir, I have qualified.

MR. KELLAHIN: Are the witness's qualifications acceptable?

MR. UTZ: Yes, they are.

- Q (By Mr. Kellahin) Mr. Read, are you familiar with the application in Case 3672?
  - A I am.
  - Q Briefly, what is proposed in this case?
- A We propose to request approval for back allowable on a well that was shut in for a period of approximately four months while we were waiting for Federal Power Commission approval to connect to Transwestern Pipe Line.
  - Q Is that your Irene Brainard Well number 1?
  - A Yes, it is.
  - Q What is the location of that well?
- A It's in the southwest quarter of the northwest quarter of Section 20, Township 18 South, Range 26 East, Eddy County, New Mexico.
- Q Referring to what has been marked as Exhibit No. 1, would you identify that exhibit, please?
- A Exhibit 1 is a plat showing the location of the proration unit allocated to this well, and it also shows the

three offset wells to the proration unit. It shows the gas and distillate production from these three offset wells for the month of April, May, June and July, 1967, which was the period that we were shut in after our well was completed, and was the interim period prior to our pipeline connection.

- Incidentally, Mr. Read, are you the operator of the well?
  - A Yes, I am.
  - Q And Len Mayer is a part owner, is this correct?
  - A That's correct.
  - Q But he is not presently the operator?
  - A No, sir.
- Q Referring to what has been marked as Exhibit No. 2, would you identify that exhibit, please?
- A Exhibit No. 2 is a C-105, which is the completion report of the subject well.
- Q What date does that show the well to have been completed?
  - A On April 7th, 1967.
- Q That's a regular form C-105 filed with the Oil Conservation Commission, is it not?
  - A That's correct.
  - Q Are you familiar with the completion of the well,

## personally?

- A Yes, I am.
- Q Was that well completed and in a condition to produce into the pipeline as of the date shown on that Exhibit?
- A The well was capable of producing, it was not connected to the pipeline.
  - Q But it was not yet connected?
  - A That's correct.
  - Q But it was capable of producing as of that date?
  - A Yes.
  - Q Had it been tested prior to its completion?
  - A By drillstem test, yes, sir.
- Q Referring to what has been marked as Exhibit 3, would you identify that exhibit?
- A This is the application of Charles B. Read as operator for a Certificate of Public Convenience and Necessity which was dated May 19th, 1967, before the Federal Power Commission.
- Q How was this application to the Federal Power Commission handled, Mr. Read; who handled it for you and do you know what was done in connection with it?
  - A It was handled by a Washington firm, we

who represented me in behalf of this application and the firm's name was Coles and Coertner, address 1000 Connecticut Avenue, N.W., Washington, D. C.

Q Is it their practice to take these applications directly to the Federal Power Commission?

A Yes, they hand carry our application before the Commission and had many conferences with the Commission with regard to this request.

Q The land involved in this application was subject to a prior gas purchase contract with Transwestern Pipe Line Company and Marathon Oil Company, is this correct?

A A portion of the land was committed --

Q A portion of the land --

A -- was committed by gas contract prior to our farmout from Marathon.

Q Now, is that --

A One hundred twenty acres that was not subject to that original gas contract.

Q Now, we'll get to that later in the testimony, but Exhibit No. 4, would you identify that exhibit? Is that the gas purchase contract of Marathon and Transwestern Pipe Line Company, dated January 12th, 1960?

A Yes, it is.

Q Was that contract ratified by you or by Mr. Mayer at the time the application was filed with the Federal Power Commission May 19th, 1967?

A It was ratified on May 2nd, by Mr. Len Mayer, but not by myself.

- Q But not by yourself?
- A That's correct.
- Q New, Mr. Read, I hand you what has been marked as Exhibit No. 5 and ask you to identify that, please.

A Exhibit No. 5 is dated June 15th, 1967, and is a ratification by myself and Mr. Len Mayer.

- Q Was this ratification required for approval by the Federal Power Commission of your application of May 19th?
  - A That's correct.
- No. 6, would you identify that exhibit, please?

A Exhibit No. 6 is approval of our request for a Temporary Certificate of Public Convenience and Necessity which was approved by the Federal Power Commission.

- Q What is the date of that?
- A August 3rd, 1967.
- Q Did you accept that Temporary Authority?
- A Yes, that was accepted by myself on August 8th.

- Q Is that shown by Exhibit No. 7, is that your letter of acceptance?
  - "A That's correct.
- Q And then Exhibit No. 8, would you identify that exhibit?
- A It was an acknowledgment by the Federal Power

  Commission of my acceptance and of the Temporary Certificate.
- Q Did you acknowledge their acknowledgment of your acceptance?
  - A No, sir.
- Q Now, referring to what has been marked as Exhibit No. 9, is that the Final Order entered by the Federal Power Commission, dated September 13th, 1967?
  - A That's correct.
- Q And Exhibit No. 10, would you identify that exhibit?
- A It's a statement 1rom Charles B. Read to Federal Power Commission, advising them that the date the first gas sales were commenced and pipeline connection to the pipeline.
- Q Now, Mr. Read, as I understand, then, on the basis of your testimony and the exhibits that have been identified here you filed your application with the Federal Power Commission under date of May 19th, 1967, and you received from the Federal

Power Commission a letter granting Temporary Authority to sell gas on August the 3rd, 1967. Could you, for the benefit of the Examiner, discuss what occurred between those two dates in connection with this application for approval by the Federal Power Commission?

A We, of course, had this firm, or I had this firm, employed in Washington, D. C., which represented me before the Commission, and they took all of our documents to the Federal Power Commission on May 19th, or approximately thereabouts, for approval, and the Federal Power Commission advised us at that time that there had been a rate change under part of this land that was involved in the proration unit that was subject to the Temporary Certificate and that additional documents would be necessary for myself, as operator, to ratify this rate change. They made the requirement that I ratify the rate change and furnish additional instruments for their approval.

- Q This was your ratification, Exhibit No. 5, which was dated June 15th, is that correct?
  - A That's correct.
- Q Were there any other requirements made upon you by the Federal Power Commission following that ratification?
  - A Well, they made --
  - Q That was the only requirement they made, was it not?

- A Yes, that's the only one. There's another amendment to that, but it's under the same exhibit.
  - Q It was all done at the same time?
  - A That's correct.
- Q Do you know when all the documents were completed for the Federal Power Commission?
  - A On June 30th, --
  - Q And they were filed --
  - A -- 1967.
- Q Were you advised by the Federal Power Commission that they were filed as of that date?
  - A Yes, sir.
  - Q June 30th?
  - A That's right.
- Q So from June the 30th, then to August 3rd, nothing further was required of you, is this correct?
  - A That's correct.
- Q And August 3rd, the Commission entered the Order approving the Temporary Authority for your gas sale?
  - A That's right.
- Q Now, prior to your application to the Federal Power Commission, the well was completed April the 7th, and you didn't file your application until May the 19th, what was the reason for that?

We had acquired actually a chain of events with that; Len Mayer had acquired a farmout from Marathon Oil Company, and under the terms of the farmout agreement the assignment of the acreage earned, would not be conveyed until the hole, or the well, had been completed, and a completion report filed with the Oil Conservation Commission showing that the well was capable of producing oil or gas, and so after the well was completed, why, Mr. Mayer made a request to get an assignment from Marathon, which was conveyed, and then Mr. Mayer made a decision that he did not desire to operate the properties, that he was not set up to operate gas wells in this particular area and he requested that I assume the operations and, of course, he could not convey title to me until he had been assigned the title from Marathon, So there was some delay in there, of getting the assignment from Marathon and then transferring the title from Mr. Mayer to myself and designating me as operator and that period occurred between the period of completion of the well and filing the application with the Commission, or the Federal Power Commission.

were satisfied ourselves that the well was capable of producing gas in commercial quantities, but Transwestern ran a four-

point test after our well was completed and, of course, to determine the potential of the well, but primarily the delay between the completion date of the well and the formal application to the Federal Power Commission was due to getting record title in the name of myself as operator.

- Q Now, the application could not have been filed to the Federal Power Commission until the record title had been transferred by Marathon, could it?
  - A That's correct.
  - Q And then you filed it as of May the 19th?
  - A We submitted it to the Federal Power Commission.
  - Q Submitted it?
- A On May 19th, and then they made additional requirements.
  - Q Which were completed then by June 30th?
- A By June 30th, and the formal filing date was on June 30th.
- Q So you would call that the formal filing date of the application, then, is that correct?
  - A That's correct.
- Q Then you were waiting on action by the Federal

  Power Commission during the period, June the 30th to August 3rd?
  - A That's correct.
  - Mr. Read, is this well capable of producing top

allowable?

- A Yes, it is.
- Q Referring to what has been marked as Exhibit No.

  11, would you identify that exhibit and discuss the information shown in it?
- A Exhibit No. 11 is the result of a drillstem test which was taken prior to the completion date of the well and it shows various rates of flow, at various tubing pressures and these rates of flow vary from three million cubic feet per day to twelve million cubic feet per day, and they are from the Marrow sand which was the producing horizon in which the well was completed.
- Q Is there any other information shown in the exhibit, any other pages of the exhibit?
- A Yes, there is attached a well test by Transwestern Pipe Line Company, which was taken on September the 18th, and the 21st and the 22nd, and which was after the pipeline connection was made and these were the first tests after we turned the well into the pipeline and they reflect rates of flow that fluctuate from three million cubic feet per day to nine million three hundred thousand cubic feet per day.
  - Q Does that indicate that's a top allowable well?
  - A Yes, it does.

- Q Are there any other tests shown there?
- A We have, of course, oh, we have just a copy of a drilling report, number 22, which was just a detailed description of the drillstem test that I gave you earlier. Report number 3 is the same thing; it's just another report reflecting another day's operation of which there was no change, but it refers to the same report. Then we have a four-point test which was taken, it shows on the drilling report number 25, reflecting four-point test taken on April 8th, at various choke settings, and various tubing pressures, showing rates of flow from 2.7 million to 7.69 million.
- Q Does this indicate that this well is capable of making the allowable and making up any back allowable that may be assigned by the Commission?
- A Let me correct that last statement. The test on April the 8th, drilling report number 25 is not a fourpoint test. It is just a test that was taken after the well was shut in sixteen and a half hours and then we did run a four-point test on April the 11th, and that is shown on drilling report number 26, and that four-point test reflects various rates of flow 2.63 million cubic feet at quarter inch choke, and then 6.512, 6.152 million cubic feet on half inch choke at various flowing tubing pressure. The results of the

four-point test were made on April 17th, in fact they had open-flow estimate at 15 million cubic feet per day.

The well tested calculated open-flow as a result of the four-point test was calculated at 15 million cubic feet per day and estimated ten barrels of distillate per million.

- Q Is the well presently connected into the pipeline?
- A Yes, it is.
- Q In your opinion, based on the various tests you have hadeon the well, is it capable of making the normal unit allowable and any back allowable that might be assigned by the Commission?
  - A Yes, it is capable.
- Q At the time the well was completed, was the pipeline company, Transwestern , ready to take gas from the well?
- A They, of course, verbally agreed the day that we completed the well, why they, we ran these various tests and they had a witness on the location to our tests, and then they --
  - Q That was in April of 1967?
- A Right. Then they ran their own individual tests after our tests were made and they advised us at that time that they were willing to lay a pipeline to the well and connect it subject to Federal Power Commission approval.

- Q You got your Federal Power Commission approval on August 3rd, 1967, and your first gas was run on September 14th, 1967, as shown by Exhibit No. 10? What was the reason for that delay?
- A Well, Transwestern Pipe Line Company, they have a policy that they never take any action towards laying a pipe-line or connecting to a well until formal approval has been received from the Federal Power Commission, and so the Order was issued on August 3rd, and usually it takes two or three days for the mails to get back and forth from Washington to Houston, and then they let the contract or they offered the ditching and pipeline work for competitive bidding and got bids on it and submitted it to their management for approval and then the actual construction was commenced and the pipeline laid during this period.
- Q At any stage, if the Federal Power Commission had approved it, it would have taken about that long, in any event?
  - A That's normal time.
- Q That would have been the normal situation dealing with Transwestern Pipe Line on any well?
  - A Yes.
  - Q Isn't it true, Mr. Read, that a good part of your

delay, and I refer in that connection to the period from

April the 7th, to May the 19th, and the time for filing

your application with the Federal Power Commission and getting

action from the Federal Power Commission is a time you

normally spend in getting any well approved and on the line,

is this not correct?

- A That's correct.
- Q Now, looking at the situation as a whole, what period of time do you feel the Commission would be justified in granting you back allowable on account of the delay occasioned in dealing with the Federal Power Commission in this particular instance?
- A Well, that, of course, is debateable. We actually filed, or made our application on May the 19th, that's when it was submitted and we got approval on August 3rd, so there was some delay during that period.
- Q Well, a part of the delay, though, was occasioned by the fact that the Federal Power Commission required you to file some additional material?
  - A That is correct,
- Q So what period of delay was not occasioned by anything that you could have cured in any way at all?
  - A Well, from June the 30th, we had filed all reports

and met all requirements of the Federal Power Commission by June 30th and we waited from June 30th until August the 3rd.

Q Would you refer, please, to Exhibit No. 12, and identify that exhibit?

A It's a tabulation of allowables for the Atoka-Pennsylvanian Gas Pool for the month of April, May, June, July, August of 1967.

Q Mr. Read, have you examined Exhibits 1 through 12, inclusive?

A I have.

Q Exhibit Nos. 4 and 5 and 9 are documents taken from your regular files, including the contract with Marathon and Transwestern Pipe Line, your ratification of it and the Final Order of the Federal Power Commission. is that correct?

A Yes, sir.

Q Are the other documents, with the exception of Exhibit No. 1, which is a plat, and Exhibit No. 1b, which are your various well tests documents, taken from your files kept in the regular course of business?

A Yes, sir.

Q Was Exhibit No. 1 prepared by you or under your supervision?

A Yes.

Q And Exhibit No. 11, is that composed of records

kept in the regular course of business in connection with this particular well?

A Yes, sir.

Q And have you examined them and in your opinion, are they correct?

A Yes, sir, they are correct.

MR. KELLAHIN: At this time, I would like to offer in evidence Exhibits 1 through 12, inclusive.

MR. UTZ: Without objection, Exhibits 1 through 12 will be added into the record of this case.

(Whereupon, Applicant's Exhibits 1 through 12 were admitted in evidence.)

MR. KELLAHIN: That's all I have on direct examination. Have you anything to add to your testimony, Mr. Read, or further request to the Commission?

A Well, the only purpose in us being here, of course, is the fact that considerable gas and distillate was produced from the offset wells during this interim period and we would like to have the opportunity to protect our reservoir from gas and oil that was drained during this shirt in period. We have talked to Transwestern Pipe Line Company and they are willing to take the gas, they have line capacity to take up to a million and a half cubic feet per day and they have a

balancing period on their gas in their area through June 1st, 1968, and so any allocation that might be approved by the Commission could be disposed of and worked into the Transwestern Pipe Line system without any hardship on any of the other operators or the pipeline company itself.

MR. KELLAHIN: That's all I have on direct examination.

## CROSS EXAMINATION

## BY MR. UTZ:

- Q Mr. Read, let me review briefly these periods of time here. This well was completed 4-7-67, is that correct?
  - A Yes, sir.
- Q And from 4-7-67, to 5-19-67, you were in the process of getting your title squared away?
  - A Assignments, getting regular titles.
- Q During that period, Transwestern Pipe Line, would they have connected to your well until your title was squared away?
- A Yes, they would have done that because we had letter agreements from Marathon which would have satisfied their title requirements for ownership of the gas. The letter agreements that we had in our files did not satisfy the Federal Power Commission

does require a recordable instrument ant they require that the record owner make application to the Federal Power Commission for Certificate of Public Convenience and Necessity.

- O So then it's your testimony that during this period just mentioned that you were getting title instruments prepared for the benefit of the Federal Power Commission?
  - A That's correct.
- Q Then from 5-19-67, when you made your first filing, through June 30, 1967, was it?
  - A That's correct.
- Q You were preparing a ratification of a contract, by you which the Federal Power Commission required?
- A Of a change in rate schedule, yes, sir, that's right.
- Q Then from 6-3-67 to 8-3-67, it was just waiting on the Federal Power Commission, period?
  - A Yes, sir.
- Q And from 8-3-67, to 9-13-67, incidentally that 8 -3 to 9-13 does not coincide with your connection date, but Transwestern does say 9-13 instead of 9-14?
- A I think what was made, that connection was made but first gas sales, they were probably turned on the next day.

MR. NUTTER: I think that exhibit does indicate

"first delivery on the 14th".

A That's correct.

MR. NUTTER: Although perhaps it was connected on the 13th, turned it on the morning of the 14th, I guess.

A Yes, sir.

Q (By Mr. Utz) Your supplemental gives you an allowable from the 13th, anyway. So from 8-3-67, to 9-13-67, you were waiting on the pipeline to go through all their motions in order to get connected, which is a normal delay for Transwestern Pipe Line?

A Yes.

Q They wouldn't dare go out and get any bids previous to the time that you had your contract ratified by the Federal Power Commission?

A No, that's correct, they would not take any action on the request until the Federal Power Commission approval.

Q And the allowable as assigned to your well at this time begins on 9-13-67, by our Supplement AR No. 8, is that correct?

A That's correct.

MR. UTZ: Any other questions?

MR. NUTTER: Yes.

#### CROSS EXAMINATION

#### BY MR. NUTTER:

- Q Mr. Read, in response to a question by Mr. Kellahin you stated that from the time you completed your final filing with the Federal Power Commission, had everything all filed and in accordance with their desires and everything which was on June 30th, till August 3rd, was the period over which as Mr. Kellahin stated, it was completely out of your hands and within the jurisdiction of the Federal Power Commission.

  Now, that's a period of thirty-four days. Is this an unusual length of time to get a Temporary Certificate from the Federal Power Commission? Is it unduly long?
- $\Lambda$  I would say that that would be maybe the normal course of business.
  - Q That's about average for wheels of Government?
  - A Yes, sir.
- Now, from August 3rd, until 9-13 or 14, the period in which Transwestern had to act to let their bids and get their ditches dug and their line laid and meter installation and so forth, is that an undue period of time in which to make a connection?
- A That would be a normal period for Transwestern, I would say.

- Q How far did they have to go to connect your well?
- A A half a mile.
- Q Actually your application here was for the assignment of allowable from date of completion, I believe, to the date of approval which would be April 7th to August 3rd?
  - A Yes, sir.
- Q And you didn't get the title to the tract until some time in May, so you are actually asking for allowable for a period of time which you didn't even own the acreage?
  - A No, sir, that's not correct.
  - Q It's covered by a letter of agreement?
- A We had a letter of agreement from Marathon prior to the day the well was commenced and we had ownership by letter agreement or farmout letter prior to the date that the well was spudded, and of course, we --
- Q You had ownership rights if the well were successful?
  - A That's right.
- Q You earned the acreage? You had ownership rights even though you didn't have title?
- A We had a letter agreement that would have been recognized by Transwestern Pipe Line or any other pipeline company for a pipeline connection, but the letter agreement

was not sufficient title to be recognized by the Federal Power Commission.

Q Now, our Rules provide that a well would be assigned an allowable effective the date of the connection. You do agree that the Commission has complied with its own Rules in that respect?

A Yes, sir.

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

MR. KELLAHIN: Could I ask --

MR. UTZ: Mr. Read --

MR. KELLAHIN: Pardon me, go ahead.

## RECROSS EXAMINATION

## BY MR. UTZ:

- Q As I understand your representatives in Washington hand-carried your first request to the Federal Power Commission on -- can you tell the date?
  - A Yes, sir.
- Q Did they on that date discover that you needed a ratification for the rate change?
- A Yes, sir, we were not aware of the rate change at that particular time, and that's when the requirement was made by the Federal Power Commission.
  - Q So it took from 5-19- to 6, -- well, your letter

is actually dated June 15th, is that when you wrote this letter?

A Yes, sir. Of course, we had to get, that ratification had to be processed through the Federal Power Commission, direct to me and then, well, it actually went to Transwestern Pipe Line and then to me for execution and then back to Federal Power Commission.

Q That explains why it took from 5-19-67, to 6-30 to get all this red tape?

Yes, sir, the processing of the mails to function.

MR. NUTTER: Well, Mr. Read, this letter from
the Power Commission dated August 3rd, it starts off, "this
is with reference to your request filed June 30, 1967,
for a Temporary Certificate..." Was this application which was
hand-carried over there on May 19th an application for a
permanent Certificate or Temporary Certificate?

A Temporary Certificate and then it's automatic the permanent certificate is issued later on, at a later date, but a Temporary Certificate gives you authority to commence selling gas until such time as the permanent Certificate has been approved.

MR. NUTTER: Then it was recognized that this application which was turned in on the 19th was for a

Temporary Certificate with a permanent certificate to follow?

A Yes, sir.

MR. NUTTER: Thank you.

MR. UTZ: Any other questions?

MR. HATCH: I would like to call the Commission's attention to Section 65-3-13 of the 1953 New Mexico Code as annotated, and read that into the record:

"Whenever, to prevent waste, the total allowable natural gas production from gas wells producing from any pool in this State is fixed by the Commission in an amount less than that which the pool could produce if no restrictions were imposed, the Commission shall allocate the allowable production among the gas wells in the pool delivering to the gas transportation facility upon a reasonable basis, and recognizing correlative rights and shall include in the proration schedule of such pool any well which it finds is being unreasonably discriminated against through denial of access to a gas transportation facility which is reasonably capable of handling the type of gas produced by such well ... "

I will not read the entire section. That's all I have and I will ask Mr. Kellahin if he has any comment he would like to make.

MR. KELLAHIN: The only comment I would like

to make and I think it's covered in our application, we feel that this well has been discriminated against in that it was denied, through no fault of the Commission and/or through no fault of Transwestern Pipe Line Company. It has been denied access to the pipeline because of the delay getting through the Federal Power Commission. In this connection, it's my understanding that the Commission in previous cases, where a well has been changed, for example, from a intrastate pipeline to an interstate pipeline, there has been a reluctant delay in production from that particular well due to the time it takes to get approval from the Federal Power Commission and the Commission has granted back allowable and it's on the same basis that we are asking for it here. There has been a delay. You say the 34 days, for example, from June 30th to August 3rd may be a reasonable time for the Federal Power Commission to act, but a time from May the 19th to August 3rd is not exactly a reasonable time for them to act, and the thing was purchased during that period although there was some supplemental material required.

There was some thirty-four days before everything was in before they acted on the application. This may be normal to the Federal Power Commission, but to the applicant here, it appears to be an unreasonable delay and one that

has cost him some loss of gas from drainage of offsetting wells. His correlative rights are entitled to consideration by the Commission. In connection with the matter that was mentioned by Mr. Nutter, as to the dates we are applying for here, under paragraph 11 of the Application, we stated in order to protect the correlative rights of the applicant, back allowable should be assigned to the No. 1 Irene Brainard well for the period April 7th, 1967, to August 3rd, 1967, or such portion thereof as the Commission may determine, and that later language was included in there simply because of your dealing with a rather vague area here and saying, what period of time was this well actually penalized, what period of time was it discriminated against by being denied access to the pipeline.

We submit it was denied access to the pipeline and on the basis of our evidence, we think it's entitled to at least some back allowable.

MR. UTZ: You do recognize, Mr. Kellahin, that there is one difference between this application and the application that was previously granted in that those wells were connected before the change?

MR. KELLAHIN: Yes, I recognize this, Mr. Utz, but I don't think that is a controling factor, and I don't think it should be a factor to be considered by the Commission

because the pool rules, for example, the Atoka-Pennsylvanian Gas Pool, unlike the Rules for many other pools, doesn't set any requirement as to what allowable will be assigned. The general rule, of course, is that it will be assigned what connection has been made but if the well is sitting there ready to be connected, and you can't get a connection because the Federal Power Commission hasn't moved, we submit you should be given some consideration on that, and I don't think it's a valid distinction to say that a well that has been transferred from one pipeline to another is entitled to consideration and we are not; maybe he had a connection and he lost his connection and during that period of time he wasn't connected, I don't know how they handle those things, but if you are just talking about a physical connection, I don't think it's a valid distinction.

MR. UTZ: Any other statements? The witness may be excused.

(Witness excused.)

MR. UTZ: The case will be taken under advisement and the hearing is adjourned.

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EXHIBITS	MARKED	OFFERED AND ADMITTED		
Applicant's 1 through 12	2	19		

STATE OF NEW MEXICO )

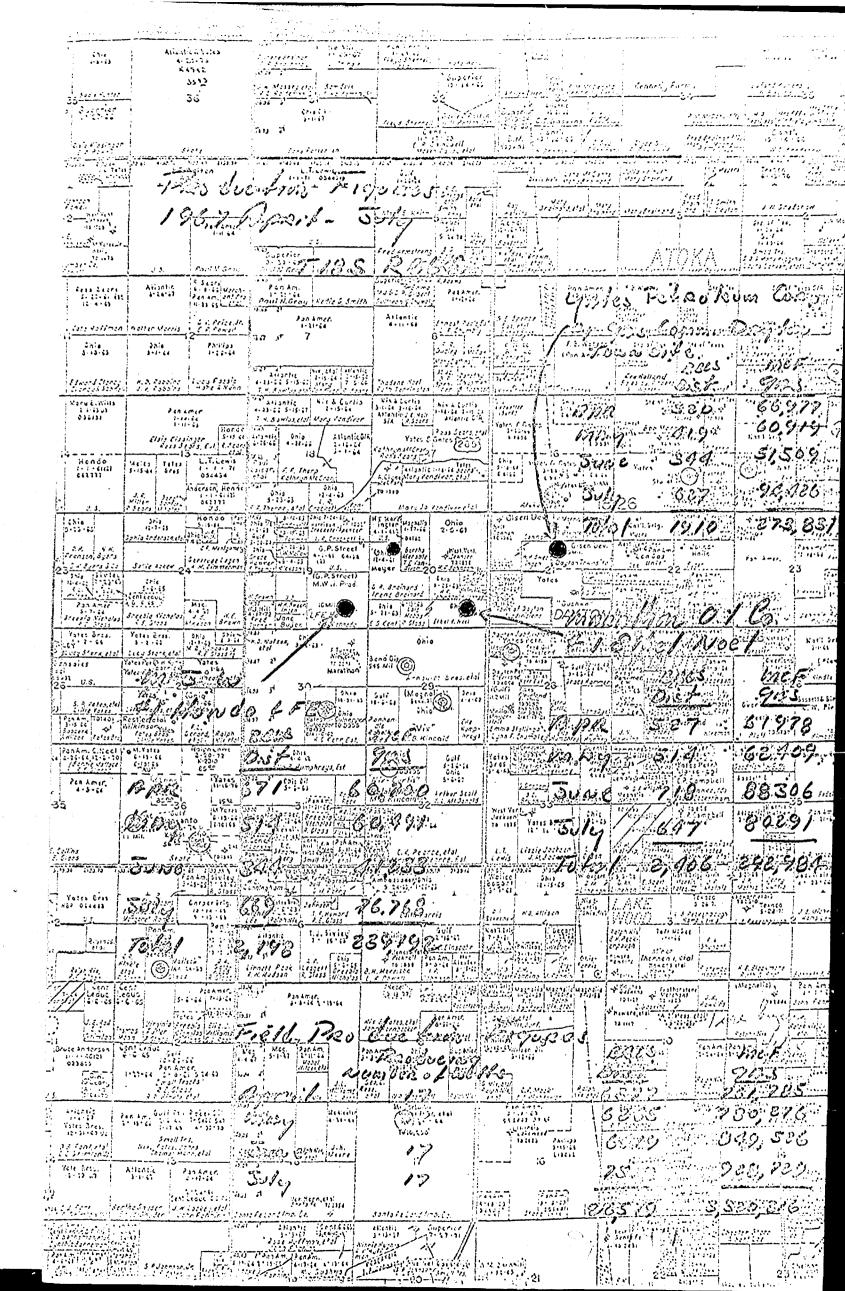
(COUNTY OF BERNALILLO )

I, ADA DEARNLEY, Court Reporter, in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me; and that the same is a true and correct record of the said proceedings, to the best of my knowledge, skill and ability.

Ida Dearnley
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BEFORE EXAMINER UTZ
CIL CONSERVATION COMMISSION
and C EXHIBIT NO. 2
CASE NO. 3672

811.11 1 113

#### INSTRUCTIONS ,

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or accepted well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill ritem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

# INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

	Southear	stern	New Mexico	Northwestern New Mexico					
T	. Anby	_ r.	Conyon 7500	. r.	Ojo Alamo	т.	Penn. "B"		
					Kirtland-Fruitland				
В.	Salt	. T.	Atoka	. т.	Pictured Cliffs	. T.	Penn. "D"		
T.	Yates	. T.	Miss	. T.	Cliff House	. T.	Leadville		
T.	7 Rivers	т,	Deven in	. Т.	Monofee	т.	Madison		
τ.	Queen	. т.	Silurian	т.	Point Lookout	т.	Elbert		
τ.	Grayburg	т.	Montoya	. T.	Mancos	T.	McCrocken		
T.	San Andres	Ţ.	Simpson	. T.	Gallup	T.	Ignacio Qtzte		
T.	Glorieta	T.	McKee	. 13as	se Greenhorn	T.	Granite		
T.	Paddock	. T.	Ellenburger	т.	Dakota	T.			
r.	Blinebry	. T.	Gr. Wash	T.	Morrison	т			
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T.	Drinkerd	T.	Delaware Sand	T.	Entrada	Ý.,	<u> </u>		
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## FORMATION RECORD (Attach additional shoots if necessary)

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1. NAME OF APPEIGANT Charles II.	Rosó - Z	メッシーバット	
2. PERSON RESPONSIBLE FOR APPLICATION:			Try John
2(a) NAME AND TITLE	2(b) MAILING ADDRES	SS CT	1
Charles B. Read	P. O. B		MANA
Individual 3. Name of Purchaser		Now Moudoo 88201	/
Transwestern Pipeline Compo	511 E 10	YES	
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SCOURTY NATIONAL BANK GLOS

ANDNE 622-6776

# DHARLES E. READ

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p. 6. con 1822
ROSWELL, NEW MEXICO
May 19, 1967

(Isw).

Fodowal Power Commission GAO Exilding 441 G Street, N. W. Washington 25, D. C.

A Contiomen:

The undersigned Charles B. Read is filing concurrently herewith an Application for Certificate of Public Convenience and Nedecatty authorizing the sale of actural gas to be made under and pursuant to terms and conditions for the tendered initial rate schedule. Applicant is also filing concurrently herewith his Notice of Intention to Invoke the Provisions of Section 157. 28 of the Commission's Regulations in order to obtain temporary authorization for the proposed sale of natural gas pending final Commission action of the subject certificate application. The undersigned further agrees to accept the area base rate price as adjusted for quality, or 16.0 cenus per MCT including taxes, as of September 1965, whichever is the lower. Applicant further agrees to the moratorium on increased rate filings as prescribed by Federal Power Commission Opinion No. 468, and the undersigned will file a quality statement within 90 days of acceptance of the Certificate.

The area price being paid by Transwestern Pipeline Company is 16¢ per.MCF including the following taxes:

 School Tax
 .0255

 Severance Yax
 .0250

 Conservation Yax
 .0014

 Ad Valorem Tax
 .01312350

 Yotal
 .06502350

Submitted herewith are 4 copies of "Form of Contract Summary to be Miled by all Applicants for Certificates of Public Convenience and Necessity, Including Successors in Interest", 3 copies of Rate Schedule, 3 copies of Assignments and Ratifications.

Fadamil Power Commission May 19, 1967 Page 2

This filing is intended to seven and be applied blo to the intended of Charles B. Read, operator, and Lea Mayor, non-operator, as set forth in the subject Cortificate application.

Coursepondance and communications in regard to this filling should be addressed to Charles B. Read, P. O. Box SEE, Roowell, New Mexico, 88201.

A complete copy of all material computating this filling has been forwarded this date to Transwestern Pipeline Company, Mouston, Texas.

Respectfully submitted,

Charles B. Read

CBR:ab

604 BECUNITY NATIONAL BANK GUILOING

CHARLES E. READ

CIL PROPERTICS

P. D. COX 2126

ROSWELL, NEW MEXICO CO201

May 19, 1967

N/2 Section 20-18S-26E Eddy County, New Mexico

Federal Power Commission GAC Building 441 G Street, N. W. Washington, D. C.

Gentlemen:

Len Mayer was the operator of the #1 Brainard, which is located 1650' FNL and 990' FWL of Section 20-18S-26E, and was completed as a flowing as well on April 7, 1967. A gas proration unit has been formed covering the N/2 of Section 20-18S-26E.

Len Mayer acquired an Assignment of Cil and Gas Leases from Marathon Oil Company dated May 5, 1967 covering the E/2 NW/4, SW/4 NW/4, NE/4 Section 20-18S-26E, containing 280 acres, more or less, covering the rights down to a depth of 9153 feet below the surface. Hondo Oil and Gas Company conveyed to Len Mayer an Operating Agreement dated April 10, 1967, covering the NW/4 NW/4 of Section 20-18S-26E, containing 40 acres, covering the gas rights encountered in the Morrow formation.

Marathon had heretofore executed a Gas Purchase Agreement covering the NE/4, SW/4 NW/4 Section 20-18S-26E, dated January 1, 1960, and amended by Agreements dated May 6, 1960, June 20, 1960, January 29, 1962, and December 19, 1963. By Letter Agreement dated May 2, 1967, Len Mayer ratified the terms and provisions of this Gas Purchase Agreement with respect to the acreage assigned by Marathon Oil Company in the NE/4 and SW/4 NW/4 of Section 20-18S-26E, and said Gas Purchase Agreement was amended to include the NW/4 NW/4 and E/2 NW/4 of Section 20-18S-26E, Eddy County, New Mexico.

Under Assignment dated May 18, 1967, Len Mayer conveyed to Charles B. Read an undivided 25% working interest under the NE/4, E/2 NW/4, SW/4 NW/4 Section 20-18S-26E, covering rights down to a depth of 9153 feet.

Federal Power Commission May 19, 1967 Page 2

Len Mayer conveyed to Charles B. Read an undivided 25% working interest in Assignment dated May 19, 1967, under the NW/4 NW/4 Section 20-18S-26E, Eddy County, New Mexico. Charles B. Read will become the operator of this property effective June 1, 1967. Ownership of the captioned land will be vested in Charles B. Read 25% and Len Mayer 75%.

Yours very truly,

Charles B. Read

CBR:ab

This Pertains to Transwestern Contract No. 11.30 \_\_

#### TRANSWESTERN PIPELINE COMPANY

FIRST CITY NATIONAL BANK SUILDING

HOUSTON, TEXAS

May 2, 1967

MAIL ADDRESS P. O. BOX 1502 HOUSTON, TEXAS 77001

Len Mayer Post Office Box 1495 Roswell, New Mexico

> Re: No. 1 Frene Brainard - Section 20, T18S, R26E, Eddy County, New Mexico

#### Gentlemen:

Reference is made to that certain Gas Purchase Agreement between Transwestern Pipeline Company, as Buyer, and Marathon Oil Company, successor to The Ohio Oil Company, as Seller, dated January 12, 1960, covering the purchase and sale of gas produced from certain acreage in Eddy County, New Mexico. A copy of said Gas Purchase Agreement, as amended by agreements dated May 6, 1960, June 20, 1960, January 29, 1962, and December 19, 1963, is attached hereto as Exhibit I, and is hereinafter referred to as "Gas Purchase Agreement."

You have been assigned a portion of said acreage subject to the terms and provisions of the Cas Purchase Agreement, and have completed the No. 1 Irene Brainard gas well thereon; the acreage so assigned to you by Marathon being the NE/4 and the SW/4 NW/4 of Section 20, T18S, R26E, Eddy County, New Mexico.

In addition to the acreage assigned to you by Marathon, you have executed oil and gas leases covering the NW/4 NW/4 and the E/2 NW/4 of Section 20, T18S, R26D, Eddy County, New Mexico, which acreage has not previously been dedicated to the Gas Purchase Agreement.

Therefore, your signature in the space provided below will indicate our agreement and understanding as follows, effective as of the date above written:

- 1. You hereby ratify the terms and provisions of the Gas Purchase Agreement with respect to the acreage assigned to you by Marathon Oil Company (one hundred percent (100%) working interest in the NE/4 and SW/4 NW/4 of Section 20, T188, R26E, Eddy County, New Mexico).
- 2. The Gas Purchase Agreement is hereby amended to include your one hundred percent (100%) working interest in the NW/4 NW/4 and the E/2 NW/4 of Section 20, T188, R26E, Eddy County, New Mexico.

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
Applica EXHIBIT NO. 4
CASE NO. 3672

8,111+41

Len Mayer May 2, 1967 Page Two

3. Seller's address in Article XVII of the Gas Purchase Agreement is hereby changed to read:

Len Mayer Post Office Box 1495 Roswell, New Mexico

As hereby amended, the Gas Purchase Agreement dated January 12, 1960 shall continue in full force and effect.

Very truly yours,

TRANSWESTERN PIPELINE COMPANY

N. C. Turner, Senior Vice Pre

ACCEPTED and ACREED TO:

Carana Maran

# EXHIBIT

Gas Purchase Agreement dated January 12, 1960, as amended by agreements dated May 6, 1960, June 20, 1960, January 29, 1962, and December 19, 1963.

Transwestern Contract #167

CAS PURCHASE AGREEMENT

Between

THE OHIO OIL COMPANY

Anà

TRANSWESTERN PIPELINE COMPANY

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#### GAS PURCHASE AGREEMENT

THIS AGREEMENT, made and entered into as of the 12th day of January, 1960, by and between THE OHIO OTL COMPANY, hereinafter referred to as "Seller", and TRANSWESTERN PIPELINE COMPANY, hereinafter referred to as "Buyer",

WHEREAS, Euger has obtained a Certificate of Public Convenience and Necessity from the Federal Power Commission authorizing the construction and operation of a natural gas pipeline system generally extending from the gas producing areas of West Texas, the Panhandle of Texas and Oklahoma, and New Mexico to California and is now engaged in the construction of such pipeline facilities; and.

WHEREAS, Seller owns or controls oil, gas and mineral leaseholds and/or lands in Eddy County, New Mexico, which leaseholds and/or lands are described in Exhibit "A" attached hereto and made a part hereof, and from which Seller desires to sell natural gas, and Euyer desires to purchase same for a portion of the requirements of its natural gas pipeline transmission system; and

WHEREAS, the parties hereto have agreed that, except where the context otherwise indicates another or different meaning or intent, the following terms as used herein shall be construed to have meanings as follows:

- 1. The term "day" shall mean a period of twenty-four (24) consecutive hours beginning and ending at seven o'clock a. m. Central Standard Time.
- 2. The term "month" shall mean a period beginning at seven o'clock a.m. on the lat day of a calendar month and ending at seven o'clock a.m. on the lat day of the next succeeding calendar month.
- 3. The term "year" shall mean a period of twelve (12) months beginning on the day on which the delivery of gas to Buyer is commenced hereunder or any anniversary of such date.
- 4. The term "gas" shall mean natural gas, including both gas well gas and casinghead gas, and the residue gas therefrom, of merechantable quality as described in Article VIII hereof.
  - 5. The term "MOF" shall mean one thousand (1,000) cubic feet.
- 6. The term "Seller's Cas Reserve" shall mean the estimated total quantity of economically recoverable gas which will be available for delivery to Buyer hereunder, contained in the formations or reservoirs which underlie the leaseholds and/or lands owned or controlled by Seller, described in Exhibit "A" hereof, on the date of any estimate or determination of Seller's Gas Reserve, plus the total quantity of gas theretofore delivered by Seller to Buyer under this Agreement.
- The term "Seller's Delivery Capacity" shall mean the maximum quantity of gas which can be withdrawn (subject to any valid rules, orders and regulations of any State or Federal regulatory body) daily from the leaseholds and/or lands of Seller covered by this Agreement and which is available for delivery to Buyer at the point or points of delivery hereunder at the pressure provided for in Article V hereof.
- 8. The term "Daily Contract Quantity" shall mean the quantity of gas per day, averaged over each year, which Buyer is required, by the provisions of Paragraph 1 of Article III hereof, to purchase from Seller hereunder.

NOW, THEREFORE, in consideration of the premises and the mutual covenants and agreements herein contained, the parties hereto do hereby covenant and agree as follows:

#### I. PRECEDENT CONDITIONS AND SCOPE OF AGREEMENT

- 1. This Agreement is subject to the following precedent conditions:
- (a) The obtaining by Buyer on or before April 1, 1960, of such Certificates of Public Convenience and Necessity from the Federal Power Commission as may be required for the construction and operation of the additions to Buyer's natural gas pipeline system, so that Buyer may extend such facilities into Eddy County, New Mexico, for the volumes of gas to be purchased from Seller hereunder, such Certificates of Public Convenience and Necessity to be in form and on terms and conditions satisfactory to Buyer.
- (b) The obtaining by Seller on or before April 1, 1960, of such Certificates of Public Convenience and Necessity from the Federal Power Commission as may be required in form and on terms and conditions satisfactory to Seller.

and (b) above shall not have been complied with by the time specified for such condition, then either party hereto shall have the right at any time thereafter and prior to the time such condition has been complied with to terminate this Agreement by serving written notice of such termination upon the other party and if such condition or conditions are not satisfied within thirty (30) days after the receipt of said notice, then this Agreement shall terminate and both parties shall be relieved of any liability hereunder.

In securing authorizations, permits, commune, approxim, or any other action required to be taken by any regulatory body pursuant to the conditions set forth above, each party hereto shall have the right to file and prosecute any such applications in such manner as such party deems, in its own good faith judgment, to be in its best interest and, to that end, may file whatever petitions, pleadings, motions (including motions for dismissal) and appeals as it may consider desirable.

- 2. Subject to all of the terms, conditions and limitations herein set forth, Seller agrees to sell and deliver or cause to be delivered to Buyer, and Buyer agrees to purchase and receive from Seller, gas in the quantities hereinafter provided, which may be produced from the reservoirs underlying the oil and gas leaseholds and/or lands which Seller now owns or controls as described in Exhibit "A" attached hereto.
- 3. Subject to the provisions of Paragraph 1 of this Article I, each of the parties hereto agrees to proceed with due diligence in a good faith effort to obtain such governmental authorizations and Certificates of Public Convenience and Necessity as may be required to permit the performance of this Agreement. Upon receipt and acceptance by both parties of the governmental authorizations and certificates referred to in Paragraph 1 of this Article I, Seller agrees to commence and prosecute with due diligence the construction of such facilities that may be necessary to enable Seller to deliver at the point or points of delivery hereinafter specified the quantities of gas contemplated by this Agreement

and Buyer agrees to commence and prosecute with due diligence the construction of Buyer's system and such facilities as are necessary to enable Buyer to receive such deliveries of gas at said point or points of delivery. The delivery of gas hereunder shall commence on the date on which both the facilities of Seller and the system and facilities of Buyer are completed and ready for operation.

- 4. Seller shall furnish Buyer with complete data regarding the productive status of each leasehold or tract of land described in said Exhibit "A", and Seller agrees to keep Buyer informed as to any additions to or reductions of the leaseholds and/or lands covered by this Agreement and any substantial changes in the productive status of any such leaseholds and/or lands.
- 5. Prior to the date of initial delivery of gas hereunder, Buyer and Seller will agree on the total quantity of recoverable gas originally in place under the leaseholds and/or lands covered by this Agreement. Not less than thirty (30) days prior to each anniversary date of the initial delivery of gas under this Agreement, Seller shall furnish Buyer with a written estimate of Seller's Gas Reserve as of such anniversary date. If Buyer fails to give Seller written notice that Buyer questions any such estimate within thirty (30) days after Buyer's receipt of same, it shall be conclusively presumed that Buyer concurs therein. If Buyer and Seller are unable to agree upon the initial estimate or if Buyer questions any subsequent estimate by giving written notice to Seller within

said thirty (30) day period, and Buyer and Seller are unable to agree upon the quantity of Seller's Cas Reserve, then the determination of the quantity of such reserve shall be submitted to and determined by arbitration in the manner provided in Article XVI hereof. Each such estimate or determination, as the case may be, shall be effective as of the anniversary date for which it is made or the date the same is concurred in by Buyer or determined by arbitration, whichever shall occur later, and shall remain in effect until superseded by a later estimate concurred in by Buyer or by a determination by arbitration.

6. Seller shall, with due diligence, develop the lands and lease-holds subject to this Agreement in a skillful and reasonably prudent manner to the end that Seller's Delivery Capacity shall be maintained at a volume not less than one hundred fifty per cent (150%) of the Daily Contract Quantity in effect from time to time under the provisions of Article III hereof.

#### II. RESERVATIONS OF SELLER

- l. Seller hereby expressly reserves unto Seller and unto Seller's successors and assigns the following rights with respect to the gas reserves committed by Seller to Buyer, together with sufficient gas produced from such gas reserves to satisfy such rights:
  - (a) To operate Seller's oil and gas producing properties free from any control by Buyer in such manner as Seller, in Seller's sole discretion, may deem advisable, including without limitation the right, but never the obligation, to drill new wells, to repair and rework old wells,

renew or extend, in whole or in part, any oil and gas lease dedicated to buyer, and to abandon any well or surrender any such oil and gas lease, in whole or in part, when no longer deemed by Seller to be capable of producing gas in paying quantities under normal methods of operation. Seller shall not be liable for or by reason of any title failure, subject, however, to Seller's warranty of title covering gas delivered and paid for under this Agreement.

- (b) Saller or others permitted by Saller shall have the right to process, or to have processed for it, by conventional separation, compression, absorption or other means gas produced from the oil and gas leases covered by this Agreement prior to delivery hereunder and to remove any constituent other than methane, and shall also have the right to remove such methane as is necessarily removed from the gas in the process of removing other constituents together with sufficient gas for fuel for such processing; provided, further, that Seller shall not by such processing reduce the total heating value per cubic foot below one thousand (1,000) BTU's and provided that thereby the gas will not be rendered incapable of meeting any of the quality specifications hereof. Any liquids or other constituents removed prior to the delivery of gas to Buyer shall be the sole property of Seller.
- (c) To use gas produced from the oil and gas leases for developing are operating Seller's oil and gas leases committed hereto in the field in which the gas is produced for the operation of Seller's pipelines, water stations, camps and other miscellaneous uses incident to the operation of such leases, and to fulfill obligations to Seller's Lessors therein.
- (d) To use gas produced from the oil and gas leases in any particular field covered hereby for cycling, repressuring or pressure maintenance for such leases covered hereunder; provided, however, if as a result of such use Seller is thereby rendered unable to deliver to Buyer the then applicable Daily Contract Quantity hereunder, the term of this Agreement shall be extended beyond its primary term until Buyer has thereafter purchased from Seller the total quantity of gas which would have been sold and delivered hereunder during the primary term hereof at a rate of withdrawal in

secondance with Paragraph 1 of Article III hereof in the absence of such uses of gas as reserved by Seller in this Subsection (d).

- (e) To pool, combine and unitize any of Seller's oil and gas leases with other properties of Seller and of others in the same field, and to alter such pooling, combination or units, in which event this Agreement will cover Seller's allocated interest in unitized production insofer as such interest is attributable to the oil and gas leases committed hereunder; Seller shall give notice in writing to Buyer of any change contemplated by this subparagraph as is deemed material to this Agreement, and Exhibit "A" hereof shall be considered as having been amended accordingly.
- 2. Seller shall not be required to retain or keep in good standing by payment of delay rentals or otherwise oil and gas leases covered hereunder which in its judgment have been condemned by development, and Seller may abandon any well or surrender any oil and gas lease when it so desires.
- 3. Seller agrees not to sell to any other party or parties any gas produced from the committed reserves during the term hereof without the written consent of Buyer.
- 4. Any assignment or sublease by Seller of any oil and gas lease or any gas rights hereunder committed hereto shall be made expressly subject to the provisions of this Agreement to the extent that such oil and gas lease or gas rights are committed hereunder.

#### III. QUANTITY OF GAS

1. (a) Subject to the provisions of this Agreement, Seller agrees to sell and deliver to Buyer and Buyer agrees to take and pay

for, or pay for if available and not taken, the Daily Contract Quantity hereinafter provided for, averaged over each year of the term of this Agreement. Except when increased or decreased pursuant to the provisions of Subparagraphs (b) and (c) of this Paragraph 1 of Article III, the Daily Contract Quantity shall be a quantity equal to one thousand (1,000) MOF for each ten million (10,000,000) MOF of gas contained in Seller's Gas Reserve as same shall be from time to time mutually agreed upon by Buyer and Seller, as provided in Paragraphs 4 and 5 of Article I of this Agreement. The Daily Contract Quantity thus initially determined is hereinafter referred to as the "Original Daily Contract Quantity."

(b) If at any time during the term hereof the quantity of gas in Seller's Gas Reserve on the last previous anniversary of the date of initial delivery of gas under this Agreement, as shown by the estimate or determination thereof then in effect in accordance with the provisions of Paragraph 5 of Article I hereof, shall exceed or shall be less than a quantity equal to ten million (10,000,000) MOF of gas for each one thousand (1,000) MOF of the Daily Contract Quantity of gas then in effect under the provisions of this Paragraph 1 of Article III, then the Daily Contract Quantity of gas shall be increased or decreased, as the case may be, to a quantity of gas equal to one thousand (1,000) MOF for each ten million (10,000,000) MOF of gas so estimated or determined to be contained in Seller's

Gas Reserve on such anniversary date of this Agreement; provided that

- (i) If Seller's Delivery Capacity (unless Reduced by force majeure as hereinafter defined) is then less than one hundred fifty per cent (150%) of the Daily Contract Quantity of gas thus determined, such Daily Contract Quantity of gas shall be reduced to a quantity equivalent to two-thirds (2/3rds) of Seller's Delivery Capacity, and
- (ii) the Daily Contract Quantity shall never, without the mutual consent of the parties hereto, exceed two hundred per cent (200%) of the Original Daily Contract Quantity.
- (c) If at any time Seller's Delivery Capacity shall be less than one hundred fifty per cent (150%) of the Daily Contract Quantity of gas then in effect hereunder (and such condition shall not be the result of cause force majeure as hereinafter defined), then at the option of Buyer the Daily Contract Quantity of gas then in effect hereunder shall be reduced in proportion to the reduction in Seller's Delivery Capacity below a quantity equal to one hundred fifty per cent (150%) of such Daily Contract Quantity of gas; and thereafter such reduced Daily Contract Quantity of gas shall be in effect unless and until further reduced or increased in accordance with the provisions of this Paragraph 1 of Article III.
- 2. Seller's Delivery Capacity shall be determined at least twice each year by actual measurements and calculations and shall

be estimated or calculated for each month in the months in which no actual tests were made, using the result of the last actual test as the basis of the estimation.

Seller recognizes that due to operating conditions, varying market demands and the difficulty of apportioning receipts of gas from various sources, Buyer may not be able to take gas from Seller during any definite period at exactly constant rates. Buyer shall, however, to the best of its ability maintain as nearly a constant rate of takings of the quantities provided for in Paragraph 1 of this Article III as practicable and Shall balance deficient tekings from Seller under this Agreement by an excess of takings from Seller hereunder as soon as practicable after such variations shall have occurred and shall have been ascertained, and Buyer may balance excess takings from Seller hereunder by curtailed takings from Seller hereunder. Nothing herein contained shall prevent Buyer from purchasing from Seller hereunder at any time and from time to time quantities of gas greater than the Daily Contract Quantity then in effect hereunder; provided that Seller shall not be obligated to deliver in any day a quantity of gas in excess of one hundred fifty per cent (150%) of such Daily Contract Quantity then in effect hereunder.

- Agreement to pay Seller for a quantity of gas which Buyer shall not have actually taken during any year of the term hereof, then Buyer may make up for such deficient takings during the next succeeding year or years of the term hereof by applying against such deficiently the gas taken during such succeeding year or years in excess of the average daily quantity of gas Buyer is obligated to take or pay for during such year. Buyer shall not be required to pay Seller for gas applied in any year against a deficiency which shall have arisen during the previous year and for which payment shall already have been made, provided that Buyer shall pay Seller any differential in price between that upon which payments were made and that applicable at the time of taking the gas.
- 5. Buyer agrees that if at any time or times during the term of this Agreement the Daily Contract Quantity provided for in Paragraph 1 of Article III hereof shall be insufficient to enable Seller to protect Seller's oil and gas leases covered by this Agreement from drainings by other operators producing gas from the same common reservoir or reservoirs, then during the period of time such condition exists the Daily Contract Quantity shall be increased by such additional

quantity of gas as is necessary to enable Seller to prevent such drainage; provided, however, that in no event shall such Daily Contract Quantity be increased to a quantity in excess of the allowable rate of production for the wells covered by this Agreement as established by the regulatory board or agency having jurisdiction, and provided further that this shall not be construed as obligating Buyer to protect Seller against any drainage occurring prior to the initial delivery of gas hereunder.

6. It is understood and agreed that nothing in this Agreement shall be construed to require Seller to sell and deliver to Buyer or to require Buyer to purchase and receive from Seller or pay Seller for a quantity of gas in excess of the total quantity of gas per day which the wells on the oil and gas leaseholds and/or lands covered by this Agreement are capable of producing into Buyer's line, when produced at their respective rates of flow under the applicable rules, regulations and orders of regulatory bodies having jurisdiction and in accordance with good engineering practices.

# IV. POINT OF DELLVERY

1. The point of delivery of the gas to be delivered by Seller to Buyer hereunder shall be at the inlet of Buyer's facilities at or near each of Seller's wells covered by this Agreement.

2. As between the parties hereto, Seller shall be in control and possession of the gas deliverable hereunder and responsible for any injury or damage caused thereby until the same shall have been delivered to Buyer, after which delivery Buyer shall be deemed to be in exclusive control and possession thereof and responsible for any injury or damage caused thereby.

# V. PRESSURE

1. The gas to be delivered hereunder shall be delivered by Seller at the point of delivery specified in Article IV hereof at such pressure as may be requested by Buyer, but not in excess of eight hundred fifty (850) pounds per square inch gauge, so long as Seller's wells are capable of delivering gas at such requested pressure.

Neither Seller nor Buyer shall be obligated to install or operate compression facilities in order to deliver or receive gas here-under, but either Seller or Buyer may do so at its option.

2. Seller shall make reports to Fuyer, as often as may be necessary in practice, of the pressure at which the gas is being delivered hereunder and the rate of such deliveries. Seller shall have agents or employees available at all times to receive from Buyer's dispatchers advices and requests for changes in the rates of delivery of gas hereunder as required by Buyer from time to time.

# VI. MEASURING STATIONS

- 1. Buyer shall install, maintain and operate, at Buyer's own expense, at or near the point of delivery, measuring facilities by which the volume of gas delivered hereunder shall be measured. Seller, in so far as Seller's leasehold rights enable it to do so, will furnish Buyer sites for its measuring facilities. Orifice meters shall be installed, maintained and operated and volumes computed in accordance with Cas Measurement Committee Report No. 3, including the Appendix thereto, dated April, 1955, of the American Gas Association. Seller shall have access to such metering equipment at reasonable hours, but the reading, calibrating and adjusting thereof and the changing of charts shall be done only by Buyer.
- 2. Saller may install, maintain and operate, at its own expense, such pressure regulators and check measuring equipment as it shall desire and Saller, to the extent that Saller has the right to do so, hereby grants to Buyer the right to install, maintain and operate Buyer's measuring equipment in the area of Saller's check measuring station or stations, provided that such equipment shall be so installed as not to interfere with the operation of Saller's check measuring equipment. Buyer shall have access to such check measuring equipment at reasonable hours, but the reading, calibrating and adjusting thereof and the changing of charts shall be done only by Saller.

- 3. Each party shall have the right to be present at the time of any installing, reading, cleaning, changing, repairing, inspecting, testing, calibrating or adjusting done in connection with the other's measuring equipment used in measuring deliveries hereunder. The records from such measuring equipment shall remain the property of their owner, but upon request each will submit to the other its records and charts, together with calculations therefrom, for inspection and verification, subject to return within ten (10) days after receipt thereof.
- 4. In the event a meter is out of service, or registering inaccurately, the volume of gas delivered hereunder shall be estimated:
  - (a) By using the registration of any check meter or meters if installed and accurately registering, or in the absence of (a);
    - (b) By correcting the error if the percentage of error is ascertainable by calibration, test or mathematical calculation, or, in the absence of both (a) and (b), then;
    - (c) By estimating the quantity of delivery by deliveries during periods under similar conditions when the mater was registering accurately.
- 5. At least once each month Mayer shall verify the accuracy of Buyer's measuring equipment and Seller shall verify the accuracy of its check measuring equipment. If either party shall notify the other that it desires a special test of any measuring equipment, the parties shall cooperate to secure a prompt verification of the accuracy of such equipment. If either party at any time observes a variation between the delivery mater and the check meter, it will promptly notify the

other party thereof and both parties will then cooperate to secure an immediate verification of the accuracy of such equipment. Each party shall give to the other notice of the time of all tesus of meters reasonably in advance of the holding of such tests in order that the other party may conveniently have its representative present.

- 6. If, upon test, any measuring equipment, including recording calorimeter, is found to be in error not more than two per cent (2%), previous records of such equipment shall be considered accurate in computing deliveries hereunder but such equipment shall be adjusted at once to record accurately. If, upon test, any measuring equipment shall be found to be inaccurate by an amount exceeding two per cent (2%), at a recording corresponding to the average hourly rate of flow for the period since the last preceding test, then any previous recordings of such equipment shall be corrected to zero error for any period which is known definitely or agreed upon, but in case the period is not known definitely or agreed upon, such correction shall be for a period extending over one-half (1/2) of the time clapsed since the date of last test, not exceeding a correction period of sixteen (16) days.
- 7. Each party shall preserve for a period of at least five (5) years all test data, charts and other similar records.

# VII. MEASUREMENTS

The sales unit of the gas deliverable hereunder shall be one (1) MOF of gas.

- 2. The volume of the gas delivered hereunder shall be determined as follows:
  - (a) The unit of volume for the purpose of measurement shall be one (1) gubic foot of gas at a base temperature of sixty degrees (60) Fahrenheit and at a pressure base of fifteen and twenty-five thousandths (15.025) pounds per square inch absolute with correction for deviation from Boyle's Law. Computation of volumes, including the deviation from Boyle's Law, shall be made in accordance with applicable law.
  - (b) The everage absolute atmospheric pressure shall be assumed to be thirteen and one tenth (13.1) pounds to the square inch, irrespective of actual elevation or location of the point of delivery above sea level or variations in such atmospheric pressure from time to time.
  - (c) The temperature of the gas passing the meters shall be determined by the continuous use of a recording thermometer so installed that it may properly record the temperature of the gas flowing through the meters. The arithmetical average of the temperature recorded each twenty-four (24) hour day shall be used in computing gas volumes for that date.
  - (d) Unless the parties hereto agree to the use of a spot test method, the specific gravity of the gas delivered hereunder shall be determined by the continuous use of an Acme recording gravitometer, or other standard gravitometer agreed upon by the parties hereto, so installed that it may properly record the specific gravity of the gas flowing through the meters. The arithmetical average of the specific gravity recorded each twenty-four (24) hour day shall be used in computing gas volumes for that data. If the parties hereto agree to the use of a spot test method, such spot test shall be made with an Edwards type of gas balance, or by such other method as shall be agreed upon between the parties. If the spot test method is used, the specific gravity of the gas delivered hereunder shall be determined once monthly, or as much oftener as is found necessary in practice. The regular monthly test shall determine the specific gravity to be used in computation for the measurement of natural gas delivered, until the end of such month or until changed by special test; the special test to be applicable from the day made through the remaining days in such month.

## VIII. QUALKEY OF CAS

- 1. Seller agrees that:
- (a) The gas delivered horsunder shall have a total heating value of not less than one chousend (1,000) British thermal units per cubic foot. In the event that the total heating value of the gas tendered for delivery horeunder fells below one thousand (1,000) British thermal units per cubic foot, Euger shall have the option (1) to refuse to accept said gas so long as said heating value remains below one thousand (1,000) British thermal units per cubic foot, or (ii) to continue to accept delivery of said gas, in which case a reduction shall be made in the total amount which Buyer would otherwise pay for gas delivered hereunder during such . month if the total heating value were one thousand (1,000) British thermal units or above. The amount to be deducted shall be determined by multiplying said amount so otherwise payable by a fraction, the numerator of which is the deficiency in total heating value per cubic foot below one thousand (1,000) British thermal units and the denominator of which is one thousand (1,000). Such deduction shall be reflected on the bill rendered for such month and the net amount is the total amount to be paid by Buyer for that month.
- (b) The total heating value of the gas in British thermal units per cubic foot shall be determined by Seller at intervals of not more than ninety (90) days by means of some approved method of general use in the gas industry. Buyer shall have the right to determine, at such time or times as it may desire, the total heating value of the gas in British thermal units per cubic foot by means of some approved method of general use in the gas industry. Each party shall conduct at its expense the test or tests made by it. Each party shall give to the other notice of the time of all tests for determining the British thermal unit content of the gas to be conducted by such party reasonably in advance of making the test in order that the other party may conveniently have its representative present. Should there be any material variance between tests by Buyer and by Seller, a joint test will be run and will be controlling, effective from the first day of the calendar month preceding such joint test. The British thermal unit content per cubic foot shall be determined for a cubic foot of gas at a temperature of sixty degrees, (60°) Fahrenheit when saturated with water vapor and at an absolute pressure equivalent to thirty inches (30") of mercury at thirty-two degrees (320) Fahrenheit.

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- 2. Soller agrees that the gas delivered hereunder:
- (a) Shall be providedly free of water, hydrocarbons in the liquid phase, impurities and other objectionable substances, and Seller agrees to use every reasonable effort to keep the gas entirely free from such liquids and objectionable substances through utilization of drips and conventional mechanical separators installed by Seller adjacent to the Wellhead and upstream from the delivery point.
- (b) Shall be commercially free from hydrogen sulphide and shall not contain more than one (1) grain of hydrogen sulphide per one hundred (100) cubic feet of gas as determined by quantitative test after the presence of hydrogen sulphide has been indicated by qualitative test, which shall consist of exposing a strip of white filter paper recently moistened with a solution of one hundred (100) grains of lead acetate in one hundred (100) cubic centimeters of water to be exposed to the gas for one and one-half (1-1/2) minutes in an apparatus previously purged, through which the gas is flowing at the rate of approximately five (5) cubic feet per hour, the gas from the jet not impinging upon the test paper, and which qualitative test shall be deemed to be satisfactory, if, after this exposure, the test paper is found not distinctly darker than a second paper freshly moistened with a solution not exposed to the gas.
- (c) Shall not contain more than twenty (20) grains of total sulphur per one hundred (100) cubic feet of gas.
  - (d) Shall not contain in excess of:
    - (i) Three per cent (3%) by volume of carbon dioxide;
    - (11) One per cent (1%) by volume of oxygen; or
    - (iii) Two-tenths (0.2) gallons per MOF of gas, of those certain liquefiable hydrocarbons commonly referred to as natural gasoline, as determined by absorption methods as prescribed from time to time by the Natural Gasoline Association of America.

3. Except as otherwise specifically provided to the convery in this Article VIII, all measurements of gas required in Antermining quality specifications in this Article VIII shall be at a temperature of sixty degrees (60°) Fahrenheit and at an absolute pressure of fourteen and seventy-three hundredths (14.73) pounds per square inch. In addition to meeting the above specifications, the gas delivered hereunder shall be commercially free from dust, gums, gum forming constituents, or other liquid or solid matter which might become separated from the gas in the course of transportation through pipelines.

# IX. PRICE

- 1. Subject to the provisions of Paragraph 2 below, the price to be paid by Buyer to Seller for gas delivered to Buyer hereunder shall be as follows:
  - 16.0¢ per MOF from the date of initial delivery of gas hereunder to September 1, 1963;
  - 21.89 per MCF from September 1, 1963, to September 1, 1969;
  - 27.2¢ per MOF from September 1, 1969, and thereafter.
- 2. Any sales, transactions, occupations, service, production, severance, gathering, transmission, export and excise tax, assessment or feel levied, assessed or fixed by the United States or any State or other

governmental cuthority and taxes of a similar nature or equivalent in effect (not including income, excess profits, capital stock, franchise or general property taxes) in addition to or greater than thise, if any, being levied, assessed or fixed on the date hereof, in respect of or applicable to the gas to be delivered by Seller to Buyer herounder and which Seller may be liable for during any month either directly or indirectly through any obligation to reimburse others, are hereinafter collectively referred to as an "additional tax". It is expressly understood and agreed between the parties that there shall be added to the prices provided for in this Article IX, so long as the additional tax shall be in effect, an amount per MOF sufficient to reimburse Seller for seven-eighths (7/8ths) of such additional tax. In the event all or any part of such liability of Seller is not determined or not determinable by the end of any month, then such additional amount per MOF required in respect of such liability not determined . or determinable shall be set forth for all such months in the billing for any month in which such amount or amounts are determined.

## X. BILLINO

1. Buyer shall render to Saller, on or before the tenth (10th) day of each month, a statement showing the volume of gas delivered hereunder by Saller, or for which payment is due hereunder, during the preceding month. Buyer agrees to make payment to Saller on or before the

twenty-fifth (25th) day of each calendar month for all gas delivered or for which payment is due hereunder.

- 2. Each party shall have the right at reasonable hours to examine the books, records and charus of the other party to the extent necessary to verify the accuracy of any statement, charge or computation made pursuant to the provisions of any article hereof. If any such examination reveals any inaccuracy in any billing theretofore made, the necessary adjustment in such billing and payments shall be promptly made; provided that no adjustment for any billing or payment shall be made after the lapse of one (1) year from the rendition thereof.
- 3. If efter commencement of deliveries hereunder Buyer shall fail in any year of the term of this Agreement to take the quantity of gas Buyer is obligated to take under the provisions of Article III of this Agreement, then Buyer shall, within ninety (90) days after the end of such year, send a statement to Seller showing the amount due Seller by reason of such deficient takings and Buyer shall make payment to Seller within fifteen (15) days after delivery of such statement, in the manner set forth in Paragraph 1 of this Article X, at the weighted average price per MOF in effect hereunder during the year in which such deficiency crose, computed on the volumes delivered during the year and at the price applicable to such volumes at the time of delivery thereof. In computing the amount due Seller for any deficiency in takings by Buyer occurring during any year, the following

## quantities shall be deducted from such deficiency:

- (a) The total of the quantities of gas which Buyer requests (up to a daily maximum of one hundred fifty per cent (150%) of the Daily Contract Quantity) and which Saller fails to deliver on any day or days during such year.
- (b) The total of the quantities of gas which Buyer is unable to take on any day or days during such year by reason of force majeure as defined in Article XI hereof.
- (c) The total of any deficiency in Seller's allowable for the wells occurred hereby below the Daily Contract Cumuity on any day or days during such year. This Subparagraph (c) shall not become effective unless the Euyer has nominated for the period in question the contract quantity or a greater amount.

# XI. FORCE MAJEURE

l. In the event of either party hereto being rendered unable, wholly or in part, by force majeure to carry out its obligations under this Agreement, other than to make payments due hereunder, it is agreed that on such party's giving notice and full particulars of such force majeure in writing or by tolegraph to the other party as soon as possible after the occurrence of the cause relied on, then the obligations of the party giving such notice, so far as they are affected by such force majeure, shall be suspended during the continuance of any inability so caused but for no longer period, and such cause shall as far as possible be remedied with all reasonable dispatch. The term "force majeure" as employed herein shall mean acts of Cod, strikes, lockouts or other industrial disturbances, acts of the public enemy, wars, blockades,

insurrections, ricts, epidemies, landslides, lightning, earthquakes, storms, floods, washouts, arrests and restraints of governments and people, civil disturbances, emplosions, breakage or accidents to machinery or lines of pipe, the necessity for making repairs to or alterations of muchinery or lines of pipe, freezing of wells or lines of pipe, partial or entire failure of wells or sources of supply of gas, and any other causes, whether of the kind herein enumerated or otherwise, not within the control of the party claiming suspension and which by the exercise of due diligence such party is unable to prevent or overcome; such term shall likewise include (a) in those instances where either party hereto is required to obtain servitudes, right of way grants, permits or licenses to enable such party to fulfill its obligations hereunder, the inability of such party to acquire, or the delays on the part of such party in acquiring, at reasonable cost and after the exercise of reasonable diligence, such servitudes, right of way grants, permits or licenses, and (b) in those instances where either party hereto is required to furnish materials and supplies for the purpose of constructing or maintaining facilities or is required to secure permits or permissions from any governmental agency to enable such party to fulfill its obligations hereunder, the inability of such party to acquire, or the delays on the part of such party in acquiring, at reasonable cost and after the exercise of reasonable diligence, such materials and supplies, permits and permissions. It is understood and

agreed that the settlement of strikes or leakents shall be entirely within the discretion of the party having the difficulty, and that the above requirements that any force majoure shall be remaded with all reasonable dispatch shall not require the settlement of strikes or look-outs by acceding to the demands of opposing party when such course is inadvisable in the discretion of the party having the difficulty.

## MIX. DETAUME

It is covenanted and agreed that if either party hereto shall fail to perform any of the covenants or obligations imposed upon it under and by virtue of this Agreement, then in such event the other party hereto may, at its option, terminate this Agreement by proceeding as follows: The party not in default shall cause a written notice to be served on the party in default stating specifically the cause for terminating this Agreement and declaring it to be the intention of the party giving the notice to terminate the same; whereupon, the party in default shall have thirtly (30) days after the service of the aforesaid notice in which to remedy or remove the cause or causes stated in the notice for terminating the Agreement, and if within said period of thirtly (30) days the party in default does so remedy or remove said cause or causes and fully indemnify the party not in default for any and all consequences of such breach, then such notice shall be withdrawn and this Agreement shall continue in full force and effect. In case the party

in default does not so remady or remove the cause or causes or loss not indemnify the party giving the notice for any and all consequences of such breach, within said period of thirty (30) days, then, at the option of the party giving the notice, this Agreement shall become null and void from and after the expiration of said period. Any cancellation of this Agreement pursuant to the provisions of this Article XII shall be without prejudice to the right of Saller to collect any amounts then due Saller for natural gas delivered prior to the time of cancellation and shall be without prejudice to the right of Buyer to receive any gas for which it has paid but has not received, although entitled thereto, prior to the time of cancellation, and without waiver of any remady to which the party not in default may be entitled for violations of this Agreement.

# XIII. TERM

This Agreement shall be effective from the date hereof and shall continue and remain in full force and effect for a primary term of twenty (20) years (subject to being extended pursuant to the provisions of Article II, 1 (d) hereof), from the date upon which Seller commences the delivery of gas to Buyer hereunder, and shall continue in force and effect thereafter for successive periods of one (1) year each unless or until terminated either by Seller or by Buyer upon twelve (12) months' prior written notice to the other party hereto specifying a termination date at the end of such primary term, or of any yearly period there after.

## XIV. WARRANTY OF TOTAL

Saller hereby warrants the title to all gas delivered by Selger to Buyer hereunder, the right to sell the same and that it is free from all liens and adverse claims, and agrees, if notified thereof by Buyer, to indemnify Buyer against all suits, actions, debts, accounts, damages, costs, losses and expenses arising from or out of any adverse legal claims of any and all persons to or against said gas. Seller agrees to pay or cause to be paid all taxes and assessments levied on the gas prior to its delivery to Buyer, and to pay or cause to be paid to the parties entitled thereto all royalties, overfilling royalties or like charges against said gas or the value thereof. In the event any adverse claim of any character whatsoever is asserted in respect to any of said gas, Euger may retain the purchase price thereoff up to the amount of such claim without interest until such claim has been finally determined, as security for the performance of Seller's obligations with respect to such claim under this Article XIV, or until Seller shall have furnished bond to Buyer, in an amount and with sureties satisfactory to Buyer, conditioned for the protection of Ruyer with respect to such claim.

# XV. REGULATORY BODUES

This Agreement is subject to all present and future valid orders, rules, and regulations of any regulatory body having jurisdiction.

#### WIL ARBUTANION

Any dispute arising between Seller and Buyer out of this Agreement shall be determined by a board of three (3) arbitrators to be selected for each such controversy so arising as follows: Either Seller or Euger may, at the time such board of arbitration is desired, noticly the other of the name of an arbitrator, and such other party shall, within ten (10) days thereafter, select an arbitrator and notify the party desiring arbitration of the name of such arbitrator. If such other party shall fail to name a second arbitrator within ten (10) days, then the party who first served the notice may, on reasonable notice to the other party, apply to the person who is then Senior Judge of the United States District Court for the Federal Judicial District in which such field is located for the appointment of such second arbitrator for and on behalf of the other party, and in such case the arbitrator appointed by the person who is such Judge shall act as if named by the other party. The two (2) argitrators chosen as above provided for shall, within ten (10) days after the appointment of the second arbitrator, choose the third arbitrator, and in the event of their failure so to do within said ten (10) day period, either of the parties hereto may in like manner, on reasonable notice to the other party, apply to the person who is such Judge for the appointment of a third arbitrator and in such case the arbitraror appointed by the person who is such Judge shall act as the third arbitrator. The board so constituted shall fix a reasonable time

and place for the Kearing, at which time each of the parties hereto may submit such evidence as it may see fit. Such board shall determine the matters submitted to it pursuant to the provisions of this Agreement. The action of a majority of the members of such Board shall govern and their decision in writing shall be final and binding on the parties hereto. Each party shall pay the expense of the arbitrator selected by or for it and all other costs of the arbitration shall be equally divided between the parties hereto.

# WII. ADDRESSES

Until Buyer is otherwise notified in writing by Seller, the address of Seller is and shall remain as follows:

The Chic Oil Company First City Maticaal Bank Building Mouston 2, Yexas

and unless Seller is otherwise notified in writing by Buyer, the adtress of Buyer is and shall remain:

> Transwestern Pipeline Company P. O. Box 1502 Mouston 1, Texas.

All notices required to be given in writing hereunder shall be given to the respective parties at such address or such other addresses as the parties respectively shall designate by written notice, and such notice, required to be given in writing, shall not be deemed to have been given until actual receipt thereof by Buyer or Seller at the address havein provided.

#### WVIII. : USUEULANMOUS

- 1. No waiver by either party hereto of any one or more defaults by the other in the performance of any provision of this Agreement shall operate or be construed as a waiver of any future default or defaults, whether of a like or of a different character.
- 2. This Agreement shall be binding upon and inure to the benefit of the heirs, legal representatives, successors and assigns of the respective parties hereto and shall constitute a real right and covenant running with the lands and leasehold estates covered hereby, and shall be binding upon any purchaser of Euger's transmission system and upon any purchaser of the properties of Seller which are subject to this Agreement. It is agreed, however, that nothing contained in this paragraph shall in any way prevent either party hereto from pledging or mortgaging its rights hereunder for security of its indebtedness.

IN WITNESS WHEREOF, the parties hereto have executed this ... Agreement in two (2) originals on the day and year first above written...

TRANSWESTERN PIPELINE COMPANY

ATTEST:

By /s/ Mills Cox

President

/s/ W. A. Koros Assistant Secretary

EUYER

(SEAL)

THE OHIO OIL COMPANY

ATTEST:

by /s/ Glenn F. Bish Vice President

/s/ N. O. Bdelman Asst. Secretary

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THE SMALL OF TEMAS )

SS
COUNTY OF HARRIS )

DEFORE ME, the undersigned, a Noticey Public in and for said County and State, on this day personally appeared MEEES COM, known to the to be the person and officer whose name is subscribed to the foregoing instrument, and acknowledged to me that the same was the act of the said CRAISMESTERN PERMITTEE COMPANY, a comporation, and that he executed the same as the act of such corporation for the purposes and consideration therein expressed, and in the capacity therein stated.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this the <u>lith</u> day of <u>March</u>, 1960.

(SEAL)

/s/ Loraine Stratton
Notary Public in and for Harris
County, Texas

THE STATE OF CHIO ) S

BEFORE MS, the undersigned, a Notary Public in and for said County and State, on this day personally appeared GLEMN P. BISH , known to me to be the person and officer whose name is subscribed to the foregoing instrument, and so knowledged to me that the same was the act of the said CHE ONIO OIL COMPANY, a corporation, and that he executed the same as the act of such corporation for the purposes and consideration therein expressed, and in the capacity therein stated.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this the 7th day of March . 1960.

/s/R. V. Busick Notary Public in and for Hancock County, Chic

(SEAL)

#### EXHIBIT "A"

To be attached to Oss Purchase Agreement, dated the 12th day of January, 1960, between THE ONIO OIL COMPANY, referred to as "Seller", and TRANSMISSIERN PIPELINE COMPANY, referred to as "Buyer", showing oil and gas leases covered by said Agreement and described as follows:

(1) S-4598 - Oil and Gas Lease dated June 1, 1949, recorded in Book 33, Page 705, Records of Eddy County, New Mexico, between Ralph Nix and Frances Nix, his wife, as lessor, and Magnolia Petroleum Company, as lessee, covering

The West One-Half of the Southeast-Quarter (W/2 SE/4) and the East One-Half of the Southwest-Quarter (E/2 SW/4) of Section 29, Township 18 South, Range 26 East, Eddy County, New Mexico, containing 160 acres, more or less.

(2) NM-1801 - 0il, Gas and Mineral Lease dated December 16; 1952, recorded in Book 56, Page 1, 0il and Gas Records of Eddy County, New Mexico, between Almeda A. Olson and husband, Henry G. Olson; Namnye K. Armquist, widow of Andrew L. Armquist, deceased; Harry Dale Ericson and wife, Doris L. Brieson; Benjamin J. Armquist and wife, Edith I. Armquist; Katharine A. Peterson and husband, Harry Peterson; and Emmelyn A. Hedstrom and husband, Walter T. Hedstrom, covering

All of the North One-Half (N/2) of Section 29. Township 18 South, Range 26 Rest, of N.M.P.M., Eddy County, New Mexico, containing 320 acres, more or less.

(3) NM-1207 - Oil, Cas and Mineral Lease dated May 22, 1953, recorded in Book 57, Page 497, Oil and Gas Records of Eddy County,
New Maxico, between Cuy W. Nick on and his wife, Lora Nickson;
Guy H. Hooper and his wife, Mabel E. Hooper and Rolla R. Hinkle
and his wife, Marian F. Hinkle, as lessor, and The Ohio Oil
Company, an Ohio corporation, as lessee, and

Oil, Gas and Mineral Lease dated May 27, 1953, recorded in Book 56, Page 343, Oil and Gas Records of Rddy County, New Mexico,

between L. G. Mackey and his wife, Blaic Lee Mackey, as lesson, and The Ohio Oil Company, an Ohio componation, as lessee, and

Oil, Oas and Mineral Lease dated July 14, 1953, recorded in Book 57, Page 501, Oil and Gas Records of Eddy County, New Mexico, between Lura Flanagen, a single woman, as lessor, and The Ohio Oil Company, an Ohio corporation, as lessee, and

Oil, Gas and Mineral Lease dated July 17, 1953, recorded in Book 58, Page 5, Oil and Gas Records of Eddy County, New Mexico, between H. G. Moberly and his wife, Elizabeth Moberly, as lessor, and The Ohio Gil Company, an Ohio corporation, as lessee, and

Oil, Gas and Mineral Lease doted August 10, 1953, recorded in Book 58, Page 9, Oil and Gas Records of Eddy County, New Mexico, between Blanche M. Claon (formerly Blanche McCoy) and her husband, E. L. Olson, as lesser, and The Chic Oil Company, an Ohio corporation, as lessee, and

Oil, Gas and Mineral Lease dated August 11, 1953, recorded in Book 50, Page 13, Oil and Gas Records of Eddy County, New Mexico, between Sylvester P. Johnson and his wife, Frances G. Johnson, as lessor, and The Ohio Oil Company, an Ohio corporation, as lessee, and

Oil, Oas and Mineral Lease dated August 11, 1953, recorded in Book 50, Page 101, Oil and Gas Records of Eddy County, New Mexico, between Jimmis Saunders, widow of H. P. Saunders, Jr., deceased, acting Individually and as Executrix of the Estate of H. P. Saunders, Jr., as lessee, and The Ohio Oil Company, an Ohio Corporation, as lessee, also

M.I. #45 an undivided 1/48 inverest in the oil, gas and other minerals conveyed to The Ohio Oil Company by deed dated June 17, 1959, executed by Delores M. Felton, Executrix of the Last Will and Testament of Emma M. Gilbert, deceased, pursuant to the power of sale contained in said will, recorded in Book 98, Page 492, Oil and Gas Records of Eddy County, New Mexico, all covering

All of Lots 1, 2, 3 and 4, the East One-Half of the West One-Half ( $\mathbb{Z}/2$   $\mathbb{W}/2$ ) and the Northeast-Quarter

(WE/A) of Section 30, Foundhip 18 South, Range 28 Bast, of N.M.P.M., containing 460 acres in Eddy County, New Mexico.

(4) NM-1277 - Oil, Gas and Mineral Mease dated April 7, 1954, recorded in Book 63, Page 4, Oil and Gas Records of Eddy County, New Maxico, between Elizabeth P. Beach and husband, J. T. Beach; Alfred B. Pearce and wife, Gladys B. Pearce; Chyde K. Pearce, a single woman; Jerry C. Pearce, a single man, and William F. Pearce, a widower, sole heirs of Issae A. Pearce and Mangaret C. Pearce, deceased, as lessor, and The Ohio Oil Company, an Ohio corporation, as lesses, covering

All of the South One-Helf (S/2) of Section 32, Township 18 South, Range 26 East, of N.M.P.M., containing 320 scres, more or less, in Eddy County, New Mexico.

(5) NM-1326 - Oil and Gas Lease dated May 5, 1955, recorded in Book 63, Page 162, Records of Eddy County, New Mexico, between Breebia Gean Micholas (nee Hurst), a married woman dealing in her sole and separate property; herein joined by her husband, Carl A. Nicholas, as lessor, and The Ohio Oil Company, an Ohio corporation, as lessee, insofar and only insofar as said lease covers and applies to

Lot 2, Southeast-Quarter Northwest-Quarter (SE/4 NM/4), St. 1000-Quarter Northeast-Quarter (SM/4 NE/4), and Northwest-Quarter Southeast-Quarter (NM/4 SE/4) of Section 3L, Cownship 18 South, Renge 26 East, containing 159 acres, more or less, in Eddy County, New Mexico.

(6) MM-1447 - Oil and Gao Lease dated April 4, 1957, recorded in Book 80, Page 195, Oil and Gao Records of Eddy County, New Mexico, between The First National Trust & Savings Bank of San Diego, a corporation, Trustee, under the East Will of Ella B. Humphreys, deceased, as lessor, and Gao. W. Littlefield, as lessee, covering

The North One-Half of the North One-Half (N/2 of N/2) of Section 31, and the Mast One-Half of the Southeast-Cuarter (E/2 SE/4) of Section 29, all in Township 16 South, Range 26 East, N.M.P.M., containing 240 acres, more or less, in Eddy County, New Mexico.

(7) MM-1472 - Oil and Oas Lease dated May 5, 1957, recorded in Book 82, Page 192, Oil and Oas Records of Eddy County, New Maxico, between V. E. McDoneld, a single person, as lesson, and Geo. W. Litthefield, as lessee, covering

The Mortheast-Quarter (NE/4) of Section 32, Counship 18 South, Range 26 East, containing 160 acres, more or less, in Eddy County, New Mexico.

(8) MM-15%7 - Oil, Gas and Mineral Lease dated October 31, 1955, recorded in Book 92, Page 23, Oil and Gas Records of Eddy County, New Mexico, between R. L. Halley, Trustee under appointment of the District Court of Eddy County, New Mexico, in Gause Mo. 17439, as lessor, and The Ohio Oil Company, an Ohio comporation, as lessee, insofar and only insofar as said lease covers and applies to

the East One-Half of the Southeast-Quarter of the (E/2 SE/4) and Southwast-Quarter of the Southeast-Quarter (SW/4 SE/4) of Section 30, and all of the South One-Half of the Southeast-Quarter of the Northwest-Quarter (S/2 SE/4) of Section 27, Township 16 South, Range 26 East of N.M.P.M., containing 140 acres, more or less, in Eddy County, New Mexico.

(End of Exhibit "A")

knia agradmino jai hiino 14. Krenowelpern Contract # 167

## TRANSWESTERN PIPELINE COMPANY

FIRST CITY NATIONAL DANK SUILDING

HOUSTON BITEKAS

May 6, 1960

The Ohio Oil Company P. O. Box 3128 Houston 1, Texas

In re: Contract dated January 12, 1960, between
The Ohio Oil Company, Seller, and Transwestern
Pipeline Company, Buyer, Eddy County, New Mexico

Gentlemen:

Article VII, Measurements, of our captioned contract with you provides, among other things, that if the parties to the contract agree, the specific gravity of the gas to be delivered under said contract shall be determined by use of a spot test method. It further outlines the procedures and type of equipment to be used in the event of such agreement to use spot tests.

It is our desire to determine the specific gravity of the gas to be delivered under the captioned contract by spot tests, as outlined in the contract. If this is savisfactory with you, will you please so indicate in the space provided below and return a copy of this letter to us.

Yours very truly,

TRANSWESTERN PEPELING COMPANY

/ - Ben A. Copass, Jr.

Minager, Gas Purchase Contracts

ACREED TO this 26th day of May 1950.

THE OHIO OIL COMPANY

By /s/ Glenn F. Bish Vice President

# TRANSWESTERN PIPELINE COMPANY

SHIGHLOU BAAG SAASIKARITIS TERIS

HOUSTON 2, TEXAS

Juna 20, 1960

The Ohio Oil Company Post Office Box 3128 Mousuon 1, Texas

Cantleman:

This refers to contract dated January 12, 1960 between the Ohio Oil Company, as Saller, and Transvestern Pipeline Company, as Buyer, which contract is hereinafter referred to as the "Gas Purchase Agreement".

It is the mutual desire of the parties hereto that the Gas Purchase Agreement be smended in the following respect:

That "Exhibit 'A'" to the Gas Purchase Agreement be amended to include the acreage described in Exhibit I attached hereto and inde a part hereof.

If the foregoing is in accordance with your understanding of this amendment, please so signify by signing in the space provided below and returning one (1) copy of this letter to us, thereby constituting the same an amendment to the Gas Purchase Agreement, binding upon the parties hereto and their successors and assigns.

Yours very truly,

TRANSWESTERN PIPELINE COMPANY

By /s/ Mills Cox

President

Marinda and a care Contraction of Later.

ACCEPTED AND ACREED TO this 27 Carry of June , 1960
THE OHIO OIL COMPANY

By /s/ Glenn F. Bish

# 

To be accommend on because Agreement needed the 20th day of June, 1980, because the chic of Company, referred to an "Soller", and Transmission Pipaline Company, referred to an "Soyur":

AND OF CHICAS NUMBERS NOCHALD HIT SECTION 19, TOWNSHIP 18 SOUTH, RAISE 16 MASS FORM CONTANT MASS NAMEOO

(1) N.M.-1195-A - 011, Cas and Minoral Beaus dated January 5, 1993, recorded in Jock 53, Page 515, Cil and Cas Récords of Eday County, May Mexico, between Berty Thomas, vidow of W. O. Thomas, deceased; Mary Thomas Brown and husand, O. S. Brown; Cody Overton Thomas and wife, Nora Euclike Thomas; Muth Thomas Park and husband, Oran B. Park, Jr., as Lesson, and The Ohio Oil Company, an Ohio corporation, as Lessee, covering

All of Lots 1 and 2 or the Mest One-Half of the Morthwest-Quarter (W/2 NW/4) of Section 19, Fownship 16 South, Range 26 East, of N.M.P.M., Eddy County, New Mexico, containing 80 acres, more or less (This lease only covers an undivided 1/2 interest).

(2) N.M.-1209 - Oil, Gas and Mineral Lease dated June 24, 1953, recorded in Book 56, Page 17, Oil and Gas Records of Eddy County, New Mexico, between R. H. Mayes and Cathryn Hayes, his wife, so Lesson, and The Chio Oil Company, an Ohio comporation, as Lessee, covering

The North-half of the Southeast-Quarter of the Northwest-Quarter (M/2 SE/4 NW/4) of Section 19, Township 18 South, Range 26 East, N.W.P.M., Eddy County, New Mexico, containing 20 acres, more or less.

(3) N.M.-1211 - Oil, Gas and Mineral Lease dated June 4, 1953, recorded in Book 58, Page 21, Oil and Cas Records of Eddy County, New Mexico, between Guy W. Mickson and his wife, Lora Nickson, as Lessor, and The Ohio Oil Company, an Chic corporation, as Lessee, covering

All of the South-half of the Southeast-Quarter of the Northwest-Quarter (S/O SI/4 NW/4) of Seetloh 19, Township 18 South, Range 26 Mast, of N.M.P.M., Rady County, New Mexico, containing 20 acres, more or less.

(4) N.M.-1212 - Oil, Oas and Mineral Lease dated August 10, 1953, recorded in Book 57, Page 485, Oil and Gas Records of Eddy County, New Mexico, between Lee Vandagriff and his wife, May Vandagriff, as Lessor, and The Chio Oil Company, an Ohio corporation, as Lessee, covering

All of the North-half of the Northeast-Quarter of the Northwest-Quarter (N/2 NE/4 NM/4) of Section 19, Township 18 South, Range 26 East, of N.M.P.M., Eddy County, New Mexico, containing 20 acres, more or less.

(5) M.M.-1221 - Cily Gas and Minorel Lease dated Cetober 15, 1953, recorded in Book 58, Page 511, Oil and Gas Leade Records of Eddy County, New Mexico, between F. H. Baumann and his wife, Hillian M. Baumann, as Leason, and The Ohio Cil Company, an Ohio corporation, as lessee, covering

All of the South-half of the Northeast-Charter of the Northwest-Charter (3/2 MH/4 NM/4) of Section 19, Township 18 South, Range 85 East, Eddy County, New Mexico, containing 20 deres, more or loss.

(8) M.M.-LENY - Gil, Gus and Mineral Loude Sulpar Suly 86, 1953, recorded in Took 50, Fage 19, Sil and Gas Reserves of Islay Scanney, Mew Maxies, between I. R. Greekess and his wife, Blancke Greekess, as Lesson, and The Chic Cil Company, an Ohio corporation, as Lesson, imposer and only incoser as said lease severs

Who Morch-hald of the Morcheast-Galaser (M/2 M2/4) of Section 19, Commship 18 South, Range 26 Mast, May County, New Mexico, containing 80 acres, more or less

(7) M.M.-1400 - Oil and Cas Loase dated July 12, 1956, recorded in Book 75, Page 22, Gil and Gas Records of Eddy County, New Mexico, between Jane 6. Dugae, a widow, as Lesson, and The Chic Cil Company, an Chic comporation, as Lessee, covering

All of the South-half of the Southeast-Quarter of the Southwest-Quarter (3/2 SE/+ SW/+) of Section 19, Township 18 South, Range 26 Rast, Eddy County, New Mexico, convoluting 20 acres, more or less.

(8) M.M.-1480 - Oil and Gas Lease dated February 17, 1958, recorded in Book 85, Page 63, Oil and Gas Records of Eddy County, New Mexico, between M. H. Swearingen anythis wife, Addie Swearingen, as Lesson, and The Chic Oil Company, an Oil corporation, as Lessee, covering

All of the North-half of the Southeast-Quarter of the Southwest-Quarter (N/2 SE/W SM/4) of Section 19, Cownship 18 South, Range 26 East, Eddy County, New Mexico, containing 20 acres, more or less.

(9) N.M.-1537 - Oil, Gas and Mineral Lease dated Jenuary 19, 1959, recorded in Book 94, Page 65, Oil and Gas Records of Eddy Country, New Mexico, between W. Edd Brown, Individually and as Agent and Attorney-in-Fact for Martin Edward Brown and wife, Iva Brown, joined by his wife, Bernice B. Brown, as Leason, and The Chio Oil Company, an Ohio corporation, as Lease, incofar and only insofar as said lease covers

All of Lot No. 3 of Section 19, Township 18 South, Range 26 East, Eddy County, New Mexico, containing 38.73 acres, more or less.

# ongons demond located th charton 20, township 10 court, being 20 base, mody courty. New Mixido

(1) M.M.-1177 - 011, One and Mineral Dense dated November 28, 1952, resorded in Book 52, Page 289, Oil and Gas Records of Mady County, New Mexico, Setween Ethel V. Noel, a widow, as Lesson, and the Ohio Oil Company, an Ohio corporation, as Lessee, covering

The South-half of the Southeast-Quarter (3/2 SE/4) of Section 20, Township 18 South, Range 26 East, Rady Country, New Mexico, containing 80 acres, more or less.

(2) N.M.-1203 - Oil, Cas and Mineral Lease dated May 21, 1953, recorded in Book 56, Page 440, Oil and Gas Records of Eddy County, New Mexico, between Eleanor G. Ment, a single woman, as Lessor, and The Ohio Oil Company, an Chio corporation, as Lessee, covering

The Southwest-Quarter of the Southwest-Quarter (SW/4 SW/4) of Section 20, Counship 18 South, Range 26 East, Eddy County, New Mexico, contain-40 acres.

(3) N.M.-1205 - Oil, Gas and Mineral Lease dated May 25, 1953, recorded in Book 55, Page 537, Oil and Gas Lease Records of Eddy County, New Mexico, between Herschel F. Johnson and his wife, Loraine F. Johnson, as Lessor, and The Ohio Oil Company, an Ohio comporation, as Lessee, covering

The Northwest-Quarter of the Southeast-Quarter (NM/4 SE/4) of Section 20, Township 16 South, Range 26 East, Eddy County, New Mexico, contain-40 acres, more or less.

(%) M.M. -1426 - Oil, Cas and Mineral Lease duted November 13, 1956, recorded in Book 78, Page 417, Oil and Gas Records of Mady County, New Mexico, between Herschel F. Johnson and his wife, Loraine F. Johnson, as Lessor, and The Chio Oil Company, an Ohio corporation, as Lessee, covering

All the Northeast-Quarter (NE/4) of Section 20, Township 18 South, mange to East, or N.M.P.M., Eddy County, New Mexico, containing 160 acres, more or less.

(5) M.M.-1432 - Oil and Cas Lease dated December 4, 1956, recorded in Book 78, Page 241, Records of Eddy County, New Mexico, between G. R. Brainard, Jr., and wife, Iola W. Brainard; Amelia B. Brainard, widow of Noble E. Brainard, deceased; and Ruth Brainard Knorr, a married woman dealing in her separate estate, as Lessor, and The Ohio Cil Company, an Ohio corporation, as Lessee, covering

All of the Southwest-Quarter of the Morthwest-Quarter (SW/4 NW/4) and the North-half of the Southwest-Quarter (N/2 SW/4) of Section 20, Township 18 South, Range 26 East, Eddy County, New Mexico, containing 120 acres, more or less.

(6) N.M.-1453 - Oil, Oas and Mineral Dease defeat June 16, 1957, resorded in Book 61, Page 205, Oil and Cas Beatmin of Eddy County, New Mexico, between Lora P. Grundmaier and her husband, Henry J. Crundmaier, as Lesson, and The Chio Oil Company, an Ohio comparation, as Lesson, evering

All of the North One-Half of the Morthenet One-Quarter of the South-east One-Quarter (N/M MM/+ SM/+) or section 20, Township MS South, Hange 26 Prot of N.M.P.M., Bidy County, New Mexico, containing 20 acres, more or less.

(7) M.M.-1460 - Oil, Gas and Minoral Lease dated July 11, 1957, recorded in Book 81, Page 311, Records of Eddy County, New Mexico, between Herschiel F. Johnson and his wife, Lordine F. Johnson, as Lesson, and The Chic Oil Company, an Chic corporation, as Lessoe, covering

All the South-half of the South-half of the Northeast-Quarter of the Southeast-Quarter (8/2 8/2 NE/4 SE/4) of Section 20, Hownship 18 South, Range 26 East, of N.M.P.M., Rady Countm, New Mexico, containing 10 acres, more or less.

(8) S-20964 - Oil and Cas Lease dated June 13, 1960, recorded in Book

Page \_\_\_\_\_\_, Records of Eddy County, New Mexico, between Lois C. Hobbs, a
widow, as Lessor, and The Ohio Oil Company, an Ohio corporation, as Lessee,
covering

All of the Southeast-Quarter of the Southwest-Quarter (SE/4 SM/4) of Section 20, Township 13 South, Range 26 Mast of N.M.P.M., Eddy County, New Mexico, containing 40 acres, more or less.

Tills Agreeman permins to Transwessern Contract \$187 TRANSWESTERN PEPILINE COMPANY

# TRANSWESTERN PPELINE GOMPANN WROT GITY NATIONAL BANK SUIGENO

Houston, TEXAS January 29, 1962 MAIL ASSAUDD P. G. NGN 1362 ROUSTON 1, TEXAS

The Ohio Oil Company P. O. Box 3128 Houston I, Texas

Gantlemen:

This refers to the Cas Purchase Agreement dated Fanuary 12, 1960, between The Chio Oil Company, as Seller, and Transwestern Pipeline Company as Buyer.

We have discovered that through an oversight the pressure base, appearing in Paragraph 2 (a), Article MII, Page 18, of the Gas Purchase Agreement, is 15.025 psia. You will recall that in Vederal Power Commission Order No. 328 an initial price of 16¢ per MCF at 14.65 psia (15.4¢ per MCF at 15.025 psia) was authorized by the Vederal Power Commission for wellhead sales to Transwestern Pipeline Company in New Mexico, and that it was the intent of the parties hereto to write the Gas Purchase Agreement to conform to the initial price standards contained in Order No. 328. To correct this mistake, and to conform the Gas Purchase Agreement to the initial price standards contained in Order No. 328, the parties hereto agree that the Gas Purchase Agreement is hereby amended by changing the pressure base of 15.025 psia, appearing in Paragraph 2 (a) of Article VII, Page 13, to 14.65 psia.

The Ohio Oil Company January 29, 1962 Page 2

If the foregoing is in accordance with your understanding of this amendment, please so signify by signing in the space provided below and returning one (1) copy of this letter to us, thereby constituting the same an amendment to the Gas Purchase Agreement, binding upon the parties hereto and their successors and assigns.

Yours very truly,

TRANSWESTERN PIPELINE COMPANY

By /s/ J. R. Butler
J. R. Butler
Chairman of the Executive Committee

ACCEPTED AND AGREED TO THIS 6th day of February 1962.

THE ONIO OIL COMPANY

By /s/ Glenn F. Bish Glenn F. Bish-Vice President

.....

Thin Agreement persolns to Transvisioni. Continue Nov. 167, 549, 565 & 726

## TRANSWESTERN PIPELINE COMPANY

FIRST CITY NATIONAL LANK BUILDING

BAXET, NOTSUOH

MAIL ADDREUS P. O. BOX ISOB HOUSTON I, TEXAB

HARRIS VAN BANDT

December 19, 1963

Marathon Oil Company
P. O. Box 3128
Houston, Texas 77001

#### Gentlemen:

We have discussed with you the possibility of our needing gas in excess of the volume you are obligated to deliver to us under the provisions of the four (4) Gas Purchase Agreements between you and Transwestern identified as follows:

TW		
Contract No.	Date of Contract	Field or Area
1167	January 12, 1960	Atoka Field
549	January 2, 1962	Waha Field
565	February 8, 1962	Worsham Field
726	November 5, 1963	Halley Field

Your acceptance of this letter and the return of one executed copy will evidence our understanding that each of those agreements authorizes us to purchase and you to cell under the agreement such excess volumes of gas as we request from time to time during the term of the agreement provided you then desire to deliver to us such excess volumes of gas from the reserves committed to the agreement. Nothing herein is intended to, or shall, in any way affect any obligation or right under any of the agreements, it being our sole purpose merely to recognize that volumes of gas in excess of the volumes you are obligated to deliver and we are obligated to purchase under each agreement may be delivered and accepted under the agreement as gas sold thereunder whenever it is mutually agreeable.

Marathon Oil Company

December 19, 1963

We will appreciate your acceptance of this letter and the noturn of one executed copy to us at your earliest convenience.

Very truly yours,

TRANSWESTERN PEPELINE COMPANY

By /s/ Harris Van Zandt

Vice President

Accepted this 27th day of December, A.D. 1963

MARATHON OIL COMPANY

This Pertains to Transwestern Contract No. 1230

# TRANSWESTERN PIPELINE COMPANY

FIRST CITY NATIONAL BANK BUILDING

SAKET, NOTOUGH

June 15, 1967

MAIL ADDRESS P. O. BOX 1802 HOUSTON, TEXAS 77001

Charles B. Read,
Len Mayer
Post Office Box 2126
Roswell, New Mexico 88201

Re: No. 1 Trene Brainard, N/2 Section 20, T-18-S, R-26-E, Eddy County, New Mexico

Gentlemen:

Reference is made to the following:

- 1. Gas Purchase Agreement between Transwestern Pipeline Company, as Buyer, and Marathon Oil Company, successor to The Chio Oil Company, as Seller, dated January 12, 1960, as amended by Agreements dated May 6, 1960, June 20, 1960, January 29, 1962, and December 19, 1963, hereinafter referred to as "Gas Purchase Agreement."
- 2. Letter Agreement dated May 2, 1967 between Transwestern Pipeline Company and Len Mayer whereby Len Mayer ratifies and amends the Gas Purchase Agreement with respect to his 100% interest in the N/2 of Section 20, T-18-S, R-26-E, Eddy County, New Mexico. The Gas Purchase Agreement and the Letter Agreement described in 1 and 2 above are hereby incorporated by reference.

By Assignments dated May 18, 1967, May 19, 1967, and May 20, 1967, Len Mayer and wife, Theresa, assigned to Charles B. Read an undivided 25% interest in and to those certain oil and gas leases covering the N/2 of said Section 20. Further, Charles B. Read has been substituted for Len Mayer as Operator of the No. 1 Irene Brainard well located in the N/2 of said Section 20.

Therefore, your signatures in the spaces below will indicate our agreement and understanding, effective as of the date above written, as follows:

(a) Charles B. Read hereby ratifies and adopts the terms and provisions of the Cas Purchase Agreement with respect to his undivided 25% interest in and to the oil and gas leases covering the N/2 of Section 20, T-18-S, R-26-E, Eddy County, New Mexico.

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION

CASE NO. 3672

8x 4 1 1 11 15

Charles B. Read, · Len Mayer June 15, 1967 Page Two

(c) Article XVII of the Gas Purchase Agreement is further amended to provide that Seller's address for purposes of notice shall read as follows:

> Charles B. Read Len Mayer c/o Charles B. Read Post Office Box 2126 Roswell, New Mexico 88201

- (c) Payment for gas purchased from the No. 1 Irene Brainard well shall be made as follows:
  - Len Mayer Post Office Box 1495 Roswell, New Mexico 88201
  - 25% -Charles B. Read Post Office Box 2126 Roswell, New Mexico 88201

As hereby amended, the Cas Purchase Agreement dated January 12, 1960 shall continue in full force and effect.

Very truly yours,

TRANSWESTERN PIPELINE COMPANY

Turner, Senior Vice President

ACCEPTED and AGREED TO:

Charles D. Mead Peat Office Don 5150 Recycll, New Hemico 50261

, 2067

To: CRANSVESCERN PIPELINE COMPANY (Address)

Estimated sales for June, 1887:

70,000 med at 14.65 p.s.f.a.

Raiso: Area base rate, adjusted for quality, or 16. serve per nof including tames, whichever is lower

Mar Decimo Mo. ON 67-1850

#### ত্ৰ প্ৰকৃতিৰ চুৰ ব্যৱসাৰ প্ৰকৃতিৰ চুক্তৰ কৰিছে । এই সংগ্ৰাহী কৰে প্ৰকৃতি প্ৰকৃতি বিভাগৰ কৰিছিল। উল্লেখ্য কৰিছিল বিভাগৰ বিভাগৰ বিভাগৰ কৰিছিল। এই বিভাগৰ বিভাগৰ বিভাগৰ বিভাগৰ বিভাগৰ বিভাগৰ বিভাগৰ বিভাগৰ বিভাগ অনুন্তু বিভাগৰ বিভাগৰ বিভাগৰ বিভাগৰ বিভাগৰ বিভাগৰ বিভাগৰ বিভাগৰ বিভাগৰ বিভাগৰ বিভাগৰ বিভাগৰ বিভাগৰ বিভাগৰ বিভাগ

Officials 3. ASEA, on indepondent producer, as one of the parties to that cortain contract for the cale of material gas, to wit:

Con Furchase Agreement, detail Jammery 12, 1980, on amended by Agreements deted May 6, 1860, June 28, 1860, december 20, 1863 and Secember 18, 1860 by and Serven The old Company (now Macon as Marabastown Oil Company, as solder, and Marabastown Mipoline Company, as Suyur, as assigned in past by an appearant by and between Mayor, as assigned, dated May 3, 1867, and as further agaigned by an appearant by and between Mayor, as assigned by an appearant by and between Mayor, as assigned by an appearant by and between Mayor, as assigned by an appearant by and between Mayor, as assigned by an appearant by and between Mayor, as assigned by an appearant No. 2007, severing gas produced from the Atolia Farmsylvania Pedly, Naty County, Nov Markes, now appearing it is the Ma 1/4 of Section 10, formake, in the SM 1/4 of the Ma 1/4 of Section 10, formake, is the Markes

does hereby state that it is his desire to comply with the five-year unive-up requirement of the Commission's Orders Wo. 334 and 354-4 with respect to get paid for but not taken by beyor under said continues; and as evidence there-of dees by those presents agree that astainstanding any provision in said contract to the contract the bayer shall be permitted to receive gas paid for but not taken at any time during the five-year period insediately following payment for out gas not taken, or during such shorter parted as in consistent with the taken paraintary under the

contract.

Expected at Unchington, D.C. This day of

3687.

Court & Courthing Attouncys for Charles B. Hoad

Margnell Seel M. Mayer

And the second s

PERMITTED OF CORRESPONDED : CC. CRAN CA MARKETTENON )

Composition II. Hayor, being first duly sworm, and states that he is a member of the bar of the United States blotteet Court for the District of Color & Courtman; that he is an associate in the law fina of Color & Courtman, attempts for Charles D. Read; that he is authorized to file the foregoing document on behalf of said Charles B. Read; that he has read the same; and that the facts stated therein are true and comment to the best of his information, knowledge and belief.

Toloned) Neal H. Mayer

Most H. Mayer

tubscribed and sworn to before methic day of , 1887.

Notery reduce

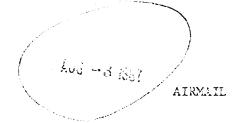
My commission empired:

## FEDERAL POWER COMMISSION WASHINGTON, D.C. 20426

IN REPLY RESERTO:
BNG-TP/AW
Docket No. C167-1850
Charles B. Read
(Operator), et al.

Mr. Charles B. Read P. O. Box 2126 Roswell, New Mexico 88201

Dear Mr. Read:



This is with reference to your request filed June 30, 1967 for a temporary certificate to sell gas to Transwestern Pipeline Company from acreage in the Atoka Field, Eddy County, New Mexico, at a proposed rate of 16.0° per Mcf at 14.65 psia.

Your application covers a proposed sale from the N/2 of Section 20, T18S, R26E. Our records reveal that a portion of this acreage (ME/4 and SW/4 NW/4) was acquired from Marathon Oil Company and is covered under Marathon's FPC Gas Rate Schedule No. 51 at a rate of 16.00 per Mcf at 14.65 psia. Our records also indicate that the remaining acreage (E/2 NW/4 and NW/4 NW/4) was not previously dedicated to any contract.

Accordingly, a temporary certificate is hereby issued to Charles B. Read (Operator), et al. to sell gas in interstate commerce as proposed in the application for certificate, Docket No. CI67-1850, subject to the following conditions:

- A. With regard to sales from the acreage previously covered under Marathon's FPC Gas Rate Schedule No. 51,
  - (1) the rate shall be 16.0¢ per Mcf at 14.65 psia and shall be subject to the same conditions imposed on Marathon by the Commission's Opinion No. 468, as modified, and particulary the refund obligation imposed by ordering paragraph (D) of said Opinion.
- B. With regard to the remaining acreage which was not previously dedicated, the application indicates that the proposed sale may not meet all of the recuirements set forth in the Commission's Opinion No. 468, as modified, which we have adopted as the guidelines to be applied to new sales of gas from the Permian Basin (see Sohio Petroleum Co.

BEFORE EXAMINER LITZ
CIL CONSERVATION COMMISSION
EXHIBIT NO. 6
CASE NO

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Docket No. C-17012, order issued June 6, 1966). Accordingly, with regard to sales from this acreage,

- (1) The initial rate shall be that provided in the rate schedule accompanying the certificate application, or the applicable area base rate (15.5 per Mcf at 14.65 psia, plus applicable state and local taxes in effect on September 1, 1965) as adjusted for quality pursuant to ordering paragraph (B) of Opinion No. 468, as modified, whichever is lower.
- (2) No increase in rate may be filed prior to January 1, 1968, except in compliance with a specific order of the Commission, for a rate in excess of the applicable area rate as determined in the Commission's Opinion No. 468, as modified, or pursuant to later order of the Commission.
- (3) The filing, within 90 days from the date of initial delivery, of a Rate Schedule-Quality Statement as specified by ordering paragraph (F) of the Commission's Opinion No. 468, as modified, reflecting the rate determined in B(1) above.
- (4) If the quality of the gas delivered hereunder at any time deviates from the quality
  standards set forth in ordering paragraph (B)
  of Opinion No. 468-A so as to require a
  downward adjustment to the existing rate, a
  notice of change in rate must be filed
  pursuant to the provisions of Section 4 of
  the Natural Gas Act; provided, however,
  that adjustments reflecting changes in Btu
  content shall be computed by the applicable
  formula and charged without the filing of a
  notice of change in rate.
- (5) In the event any amounts are collected in excess of the rate finally determined in B(1) above, your company shall refund to

Transwestern, from the date of initial delivery, with interest of 7 percent per annum, all amounts collected in excess of such finally determined rate.

This temporary certificate, with conditions attached, shall be accepted as issued within 30 days herefrom by written acceptance by a responsible official of the company (original and three copies). If reconsideration of the temporary certificate is sought, service hereunder shall not be started. If service is commenced under this temporary certificate, the conditions attached shall be effective and the service may not be discontinued without permission of the Commission issued pursuant to the provisions of the Natural Gas Act.

Your related proposed rate schedule will be considered accepted for filing upon compliance with the above conditions to be effective on the date of initial delivery subject to the provisions of Sections 154.94(c) and 154.101 of the Commission's Regulations under the Natural Cas Act.

The related proposed rate schedule has been designated as follows:

Description	Designation		
Ratification 6-15-67	Charles B. Read (Operator), et al. FPC Gas Rate Schedule No. 2		
Oper. Agree. and Assignment 4-10-67	Supplement No. 1, thereto		
Assignment       5-5-67         Assignment       5-18-67         Assignment       5-19-67	Supplement No. 2, thereto Supplement No. 3, thereto Supplement No. 4, thereto		

Please advise the Commission of the date of commencement of deliveries under such rate schedule making reference in your communication to the above designation.

Issuance of this temporary certificate and the acceptance of the above rate schedule are without prejudice to such final disposition of the application for certificate as the record may require. If service is not commenced within 90 days from the date of this temporary certificate, then such temporary certificate shall be void and of no effect.

By direction of the Commission.

Secretary

cc: Colas & Goertner
Attorneys and Counsellors at Lew
1000 Connecticut Avenue, N. W.
Washington, D. C. 20036
Attention: Neal M. Mayer, Esq.

Transwestern Pipeline Company P. O. Box 1502 Houston, Texas 77001

2007 Carrier

Passedury Passed Passed Cambilagion Whilespan, D. C. 20126

Re: DisCallyAl. Bories No. Cleffages in this pid. Acre singulation, or al.

Designation

The undersigned horoby accepts the temporary contilional launch to Charles E. Lend (Operator), et al. In your latter dated August S, 1967 and all of the conditions attached thereto. The well be notified of the caust date that deliveries are commenced, which we underipate will be within the next 30 days.

Yours very truly,

CHARLES B. READ

03.65

ce: Goles & Goerener
Altorneys at Law
1000 Connecticut Avenue, N. W.
Washington, D. G. 20036
Attention: Neal M. Mayor, Esq.

Transwestern Pipeline Company A. C. Ron 1906 Rouston, Temas 77001

Lon Mayer - Winkle Building - Roswell, New Mexico 88201 OIL CONSERVATION COMMISSION

CASE NO. 36 72

8/1 5/4 4 11 1

#### FEDERAL POWER COMMISSION WASHINGTON, D.C. 10414

IN REPLY REFER TO: Mid-109/AN Docket Dr. 0167-1850 Charles Dr. Nead (Operator), et al.

Mr. Charles B. Read P. C. Bon 2126 Roswell, New Maxico 88201

SEP -6 1987

Dear Mr. Road:

This admoshedges receipt of your letter of August 8, 1967 accepting the temporary certificate issued August 3, 1967 in Docket No. 0167-1850.

Very truly yours,

ec: Transwestern Pipeline Company

P. O. Box 1502 Mousson, Texas 77001

BEFORE EXAMINER UTZ

CIL CONSERVATION COMMISSION

GANC EXHIBIT NO. 8 CASE NO.\_

3672

UNITED STATES OF AMERICA TEDERAL POWER COMMISSION

Before Commissioners:

Lee C. White, Chairman; L. J. O'Connor, Jr., Charles R. Ross, and Carl E. Bagge.

The I trade

R. H. Adkins and other Applicants listed herein

Docket Wos. G-4730, et al.

FINDINGS AND ORDERS AFTER STATUTORY HEARING ISSUING CERTIFICATES OF PUBLIC CONVENIENCE AND NECESSITY, AMENDING CERTIFICATES, PERMITTING AND APPROVING ABANDONMENT OF SERVICE, TERMINATING CERTIFICATES, AND ACCEPTING RELATED RATE SCHEDULES AND SUPPLEMENTS FOR FILING

(Issued September 13, 1967)

Each of the Applicants listed herein has filed an application pursuant to Section 7 of the Natural Gas Act for a certificate of public convenience and necessity authorizing the sale and delivery of natural gas in interstate commerce, for permission and approval to abandon service, or a petition to amend an existing certificate authorization, all as more fully described in the respective applications and petitions (and any supplements or amendments thereto) which are on file with the Commission.

The Applicants herein have filed related FPC Gas Rate Schedules and propose to initiate or abandon, add or delete natural gas service in interstate commerce as indicated by the tabulation herein. All sales certificated homein are at rates either equal to or below the ceiling prices established by the Commission's Statement of General Policy No. 61-1, as amended, or involve sales for which permanent certificates have been previously issued; except that the sales from the Permian Basin area of New Mexico and Texas are authorized to be made at or below the applicable area base rates and under the conditions prescribed in Opinion Nos. 468 and 468-A.

The Commission's staff has reviewed each application and recommends each action ordered as consistent with all substantive Commission policies and required by the public convenience and necessity.

BEFORE EXAMINER UTZ

OIL CONSERVATION COMMISSION CASE NO. 36/2

DC 28 & 32

After due notice, no petitions to intervene, notices of intervention, or protests to the granting of any of the respective applications or petitions in this order have been received.

At a hearing held on September 7, 1967, the Commission on its own motion received and made a part of the record in these proceedings all evidence, including the applications, amendments and exhibits thereto, submitted in support of the respective authorizations sought herein, and upon consideration of the record,

#### The Commission finds:

- (1) Each Applicant herein is a "natural-gas company" within the meaning of the Natural Cas Act as heretofore found by the Commission or will be engaged in the sale of natural gas in interstate commerce for resale for ultimate public consumption, subject to the jurisdiction of the Commission, and will therefore, be a "natural-gas company" within the meaning of said Act upon the commencement of the service under the respective authorizations granted hereinafter.
- (2) The sales of natural gas hereinbefore described, as more fully described in the respective applications, amendments and/or supplements herein, will be made in interstate commerce, subject to the jurisdiction of the Commission and such sales by the respective Applicants, together with the construction and operation of any facilities subject to the jurisdiction of the Commission necessary therefor, are subject to the requirements of Subsections (c) and (e) of Section 7 of the Natural Gas Act.
- (3) The respective Applicants are able and willing properly to do the acts and to perform the services proposed and to conform to the provisions of the Natural Gas Act and the requirements, rules and regulations of the Commission thereunder.
- (4) The sales of natural gas by the respective Applicants, together with the construction and operation of any facilities subject to the jurisdiction of the Commission necessary therefor, are required by the public convenience and necessity and certificates therefore should be issued as hereinafter ordered and conditioned.
- (5) It is necessary and appropriate in carrying out the provisions of the Natural Gas Act and the public convenience and necessity require that the certificate authorizations heretofore issued by the Commission in Docket Nos. G-3150, G-4277, G-4730, G-8660, G-12244, G-13074, CI60-393, CI61-1557, CI64-1055, CI65-699, CI65-1159 and CI65-1310 should be amended as hereinafter ordered and conditioned.

- (6) The sales of natural gas proposed to be abandoned by the respective Applicants, as hereinbefore described, all as more fully described in the respective applications and in the tabulation herein, are subject to the requirements of Subsection (b) of Section  $\gamma$  of the Natural Gas Act, and such abandonments should be permitted and approved as hereinafter ordered.
- (7) It is necessary and appropriate in carrying out the provisions of the Natural Gas Act that the certificates of public convenience and necessity heretogore issued to the respective Applicants relating to the abandonments hereinafter permitted and approved should be terminated.
- (8) It is necessary and appropriate in carrying out the provisions of the Natural Gas Act that the respective related rate schedules and supplements as designated in the tabulation herein should be accepted for filing as hereinafter ordered.

#### The Commission orders:

- (A) Certificates of public convenience and necessity are issued upon the terms and conditions of this order, authorizing the sales by the respective Applicants herein of natural gas in interstate commerce for resale, together with the construction and operation of any facilities subject to the jurisdiction of the Commission necessary for such sales, all as hereinbefore described and as more fully described in the respective applications, amendments, supplements and exhibits in this proceeding.
- (B) The certificates granted in paragraph (A) above are not transferable and shall be effective only so long as Applicants continue the acts or operations hereby authorized in accordance with the provisions of the Natural Gas Act and the applicable rules, regulations and orders of the Commission.
- (C) The grant of the certificates issued in paragraph (A) above shall not be construed as a waiver of the requirements of Section 4 of the Natural Gas Act or of Part 154 or Part 157 of the Commission's Regulations thereunder, and is without prejudice to any findings or orders which have been or may hereafter be made by the Commission in any proceedings now pending or hereafter instituted by or against the respective Applicants. Further, our action in this proceeding shall not foreclose nor prejudice any future proceedings or objections relating to the operation of any price or related provisions in the gas purchase contracts herein involved. Nor shall the grant of the certificates aforesaid for service to the particular customers involved imply approval of all of the

terms of the respective contracts particularly as to the cessation of service upon termination of said contracts, as provided by Section 7(b) of the Natural Cas Act. Nor shall the grant of the certificates aforesaid be construed to preclude the imposition of any sanctions pursuant to the provisions of the Natural Cas Act for the unauthorized commencement of any sales of natural gas subject to said certificates.

- (D) The grant of the certificates issued herein on all applications filed after July 1, 1967, is upon the condition that no increase in rate which would exceed the ceiling prescribed for the given area by paragraph (d)(3) of the Commission's Statement of General Policy No. 61-1, as amended, shall be filed prior to the applicable date as indicated by footnote 12/ in the attached tabulation.
- (E) The initial rates for sales authorized in Docket Nos. G-11173, C167-1577, C167-1612, C167-1758 and C167-1850 1/2 shall be the applicable base area rates prescribed in Opinion No. 468, as modified by Opinion No. 468-A, as adjusted for quality, or the contract rates, whichever are lower; and no increases in rate in excess of said initial rates shall be filed before January 1, 1968.
- (F) If the quality of the gas delivered by Applicants in Docket Nos. G-11173, CI67-1777, CI67-1612, CI67-1758 and CI67-1850 deviates at any time from the quality standards set forth in Opinion No. 468, as modified by Opinion No. 468-A, so as to require a downward adjustment of the existing rate, a notice of change in rate shall be filed pursuant to the provisions of Section 4 of the Natural Gas Act; provided, however, that adjustments reflecting changes in Btu content of the gas shall be computed by the applicable formula and charged without the filing of notices of changes in rate.
- (G) Within ninety days from the date of initial delivery Applicants in Docket Nos. G-11173, CT67-1577, CT67-1612, CT67-1758 and CT67-1850 shall file rate schedule quality statements in the form prescribed in Opinion No. 468-A.

The initial rate shall be 16.0 cents per Mcf at 14.65 psia for sales with respect to the acreage Applicant acquired from Marathon Oil Company, previously covered under Marathon's FPC Gas Rate Schedule No. 51, in Docket No. C160-393; and the initial rate shall be 15.5 cents per Mcf at 14.65 psia for sales with respect to the newly dedicated acreage Applicant acquired from Hondo Oil & Gas Company and Marathon Oil Company as provided in the rate schedule accompanying the certificate application.

- (H) A certificate is issued herein in Docket No. CH67-1591 authorizing Applicant to continue the sale of natural gas being rendered on June 7, 1954, by the predecessor.
- (I) A certificate is issued herein in Docket No. 0168-36 authorizing Applicant to continue the sale of natural gas being rendered on June 7, 1954.
- (J) A certificate is issued herein in Docket No. CI68-34 authorizing Applicant to continue the sale of natural gas which was initiated without prior Commission authorization by the predecessor.
- (K) The acceptance for filing of the related rate filings in Docket Nos. CI68-38 and CI68-52 are contingent upon each Applicant filing three copies of a billing statement as required by the Regulations under the Natural Gas Act.
- (L) The certificates heretofore issued in Docket Nos. G-4730, G-12244, CI65-1159 and CI65-1310 are amended by adding thereto or deleting therefrom authorization to sell natural gas to the same purchasers and in the same areas as covered by the original authorizations pursuant to the rate schedule supplements as indicated in the tabulation herein.
- (M) The certificates heretofore issued in Docket Nos. G-3150, G-4277, G-13074, CI60-393 and CI65-699 are amended by deleting therefrom authorization to sell natural gas from acreage assigned to Applicants in Docket Nos. CI68-32, CI68-33, CI68-44, CI67-1850 and CI68-40, respectively.
- (N) The certificate heretofore issued in Docket No. CI61-1557 is amended to include the interests of the non-signatory co-owners.
- (0) The certificates heretofore issued in Docket Nos. G-8660 and CI64-1055 are amended by changing the certificate holders to the respective successors in interest as indicated in the tabulation herein.
- (P) Permission for and approval of the abandonment of service by the respective Applicants, as hereinbefore described, all as more fully described in the respective applications and in the tabulation herein are granted.
- (9) Permission for and approval of the abandonment in Docket No. CI68-51 shall not be construed to relieve Applicant of any refund obligation which may be ordered in the rate suspension proceeding pending in Docket No. RI64-441.

- (R) The certificates heretofore issued in Docket Nos. C-11012 and CI60-282 are terminated.
- (8) The respective related rate schedules and supplements as indicated in the tabulation herein are accepted for filing; further, the rate calculates relating to the successions herein are accepted and redecignated, subject to the applicable Commission Regulations under the Natural Cas Act to be effective on the dates as indicated in the tabulation herein.

By the Commission.

(SEAL)

Gordon M. Grant, Secretary. Docket 154. 6-4730, et al.

#### Filing Coin:

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B - Abundaneant
C - Inuminant to add corongs
D - Amendment to delete acrongs
S - Succession
F - Particl Succession

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c-8650 E 7-14-67	Centsur Petroleum Corporation (saccessor to The Texstar Corporation)	Texas Fastern Transmission Corporacion Clayton Medd, Live Oak County, Texas	The Texatar Compora 7:0 0:3 No. 5 Supp. No 1-6 Not. of Succession 7-13-67 Acsign. 3-31-67 2/ Effective Date: 3-31-67	tion,	1-6
6-11173 c 11-14-66	Gulf Oil Corporation 5/	El Paso Natural Gas Company and Pecos Company Amocker-Typett Area, Upton County, Yexas	Supp. Agree. 10-21-66 6/	55	8
0-12214 D 2-7-66	Texaco Inc. (Operator), et al.	Cities Service Gas Company N. E. Waynoka Meld, Wood's County, Oklahoma	Accign. 9-10-65 I/ Accid. Accec. 1-19-65 8/	161 161	13
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0161-1557 1-21-65 <u>9</u> /		Oklahoma Natural Gas Gathering Corporation Ringwood Field, Major County, Oklahoma	<u>10</u> /	1	
	4				
CI64-1055 E 5-19-67	Cas Engine & Compressor Service (Operator), et al. (successor to Tenneco Oil Company (Operator), et al.)	Arkaneas Louisiana Gas Company Eagerty Unit, Scottsville (North) Field, Harrison County, Texas	SPC ORS No. 99 Supp. Nos. 1-7 Not. of Succession 5-15-67	i. i	1-7
			Assign. 10-10-66 11/ Effective Pate: 10-10-66	1	•

Deletes gas to be produced from the "Newberg" Formation (below 5000 feet) due to buyer's lack of facilities and capacity to take and market such gas.

Effective Date: Late of this order.

Transfers properties from The Texatar Comporation to Centaur Petroleum Corporation.

January 1, 1968, moratorium provided ty Opinion No. 468.

By letter filed 8-16-57, Applicant advised willingness to accept permanent authorization containing conditions similar to those imposed by Opinion No. 468.

Effective Date: Date of initial delivery (Applicant shall advise the Commission as to such date).

Assigned acreage situated in Section 27-25N-15N and now covered by Pioneer Production Corporation (Operator), et al., PPC GRS No. 21.

Assigned some of the acreage; leases have expired on the remaining acreage.

Assigned some of the acreage; leases have expired on the remaining acreage.

No related rate schedule supplement. Rate filing consists of letters of authorization to cover interests of non-signatory co-corners in acreage under basic contract.

11/ Assigns Tenneco's 40.2675% interest in the Hagerty Unit to Gas Engine & Compressor Service (Operator), et al.

Noket 201. 3-4730, et el.

#### Miline Coin:

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ट्या 711ल 711ल	Applicant	Parchasor, Field and Incadion	fesoription and lute of Document	76	Siring.
c165-1159 c 7 <b>-1</b> 9-67 <u>12</u> /	Tenneco U11 Company, et al.	El Paco Natural Gra Company San Juan Baoin, San Juan County, New Mexico	Supp. Arroe. 7-6-67 61	176	11
0165-1310 7-20-67 12/	Robert E. Aikman, <u>et al</u> . d/b/a A.I.K. Ltd.	Panhandle Rustern Pipe Lite Company N. E. Forgan Pield, Zeaver County, Oklahoma	Amond. Agree. 6-19-67	8	. 2
0167-1577 5-5-7	Gulf Oil Corporation 5/	Transweatern Pipeline Company West Rojo Cuballos Pieli	Soutract 4-14-67	<b>989</b>	-
<b>3</b>		Reeves and Pecos Counties, Texas			
0167-1571 5-4-67 <u>29</u> /	Wilms Hollingberry, et al. (successor to Wasmuth- Callahan Gas Company)	The Manufacturers Light and Ent Company Michill Township, Greene County, Pennsylvania	Contract 10-19-4822 Assign. 12-1-66 15/ Effective Date: 12-10-66	1	ī
	The state of the s		Contract 10-19-4814 Assign. 12-1-65 15/ Effective Date: 12-10-66	2	ī
True - I Ducher - I	-				
0167-1612 5-3-57 4	Phillips Petroleum Company	Natural Gao Pipeline Company of America Delaware Lawin Area, Eddy County, New Mexico	Contract 9-15-66	437	-
			j.		
C167-1758 6-9-67 <u>4</u> /	Tenneco 011 Company 16/	El Paso Matural Gua Company Red Millo Area, Lea County, New Mexico	Contract 4-28-67 Ltr. Afrec. 5-12-67 6/	51 <sub>f</sub>	• • •
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x 0167-1850 (0160-593) y 6-30-67 17/	Charles B. Read (Operator), and of the concessor to Maratha 011 Company, at al.)	Transvestorn Pipeline Company Atoka Pennsylvenien Pool, Eddy County, New Kexico	Fatir. 6-15-57 18/ Operating Agree. 4-10-67 19/ Acatga. 5-5-67 29/ Acatga. 5-18-67 21/ Acatga. 5-19-67 22/	2 2 2 2	1 1234
0168-31 . <b>A 7-</b> 12-67 <u>12</u>	Kilton I. Dever	Cas Transport, Inc. Williams District, Wood County, West Virginia	Contract 5-16-67	ı	•
α63-32 (0-3150) <u>23</u> , <b>7</b> 7-7-67	Sun Oil Company (Couthwest Division) (Successor to Majori, Inc. 23/)	Lone Star Gas Company Dig Mineral Creek Field, Grayson County, Texas	Contract 1-1-53 24/ mand. Agree.	219 219 219	- 1 2 3
टाइड-३३ (८-४२(१) <u>१इ</u> <b>२</b> 7-7-67	Sun Old Company (Southwest Daylonon) (successor to Majoil, Inc. 25/)	Lone Star Cas Company Big Mineral Creek Mold, Grayson County, Texas	Contract 1-1-53 21/ Anond. Agree. 11-15-56 Ltr. 5-12-58 Conveyance 2-2-57 25/ Effective Date: 1-1-67	550 550 550 550	1 2 3
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<sup>5</sup> Sayan.

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Similary 1, 1968, coratorium provided by Opinion No. 468 applicable to nowly dedicated acreage.

Matifies a centrary device 1-12-60, as amended, between Marathon 611 Company (successor to Mae Onio Oil Company)

and Transvetterm Repolition Company. Contract on file as Marathon 011 Company MAC 628 No. 51.

More Mande oil & Oil & Company to Len Mayer (NM/4 NM/4, Section 20, MAS M268, Morrow Normation only).

More Mandela. 611 Company to Len Mayer (NM/4 NM/4, Section 20, MAS M26M).

Convers a 25% interest in lenses acquired from Marathon to Charlet B. Nead. Mayer retains a 70% interest.

Grants a 25% interest in mercage acquired from Marathon to Read. Mayer routins a 70% interest.

Theoretic covered under certificate issued to Lyan Drilling Company, et al.

More Maratheys, at A., who conveyed their interest to Majoil, Inc.

More Maratheys, at A., who conveyed their interest to Majoil, Inc.

More Maratheys, at A., who conveyed their interest to Majoil, Inc.

Currently on file as Kirby Patroleum Company (Operator), et al., who covered signatory co-covers, George W. Maratheys, et al., who conveyed their interest to Majoil, Inc.

Currently on file as Kirby Patroleum Company (Operator), et al., which covered signatory co-covers, George W. Maratheys, et al., who conveyed their interest to Majoil, Inc.

Docket Sec. 6-4730, et el.

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C168-34	Oley Yeager (successor to	Pennzeil Company	Taylor & Taylor Gas		_
a 6-23-67	Taylor & Taylor Gas Company)	Duval District, Lincoln County, West Virginia	Supp. No. 1	5	1
		·	Not. of Succession 6-20-67	-	-
			Assign. 2-28-67 28/ Effective Date:	5.	2
	<u> </u>		3-2-67	5	3
•			Assign. 5-31-67 29/ Effective Date:	,	3
			5-31-67		
,					
cx68-36 A 7-7-67 33/	Marie C. Anderson, Executrix of Estate of	El Puso Natural Cas Company Callegos Canyon Unit,	Contract 6-18-53 Supp. Agree.	1	-
12/	Edvard J. Johnson	San Jum County, New Mexico	10-12-53	1	1
				ĺ	
				į	
C168-37 A 7-12-57	Eddie Jones, d/b/a Eddie Jones Ebgineering	United Cas Pipe Line Company	Contract 7-10-67 31	1	-
12/	Company	N. McMaddin Field, Victoria County, Texas	H-176	[	
				Ĭ	
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C168-38 A 7-12-67	Allen Beard, ct al.	United Fuel Gas Company	Contract 6-29-67 32/	4	-
12/	AMERICA .	Union District, Kanawha County, West Virginia		1	
		-		- 1	
•				į	
0263-40	CRA International, Ltd.	United Gas Pipe Line Company	Contract 1-14-65	3 }	:
(0165-699) F 7-12-67	(successor to 011 & Gas Property Management, Inc.)	Tocria Meld, Tocria Parish, Louisiana	Assign. 3-24-65 35/,	3 3	1 2
			Effective Date:		
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Pros Taylor & Taylor Cas Company to Oley Yeazer (Taylor & Taylor nover made certificate filing to cover said wale).

Corrects and completes assignment dated 2-28-67.

Sale being rendered on June 7, 1954.

Leanes provides for a doth of 5,867 feet to 5,272 feet.

Chiy that an produced them Kuhungh Sand is dedicated to the contract.

Lande contract terrees only of San Property Hanagement, Inc., and United Gas Pipe Line Company; on File as Oil & Gas Property Management, Inc., and United Gas Pipe Line Company; on File as Oil & Gas Property Management, Inc. to Kicholas R. duPont.

Transfers properties from Oil & Gas Property Management, Inc. to Kicholas R. duPont.

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| Dis Viled                                   | Anglicons   | Pick of Location   | 0:366, 363, 657, <b>25%</b><br>€2 (3:6:56% | Гэ                                    | i<br>859. |
| 0168-44<br>(0-13004)                        | Profession Petroleum Componition (successor to                            | Concolidated Gas Supply<br>Comporation   | Contract 7-9-57 35/                        | 3                                     | -         |
| y 6-27-67                                   | Columbian Fuel Comporation)   | lanks Tornchip, Indiana  | Purious Contract                           | 8                                     | ı         |
|   |   | County, Pennsylvania   | Sublease Agree.<br>12-24-64                | 8                                     | 2         |
|   |   | ₹<br>:   | Sublease Agree.<br>5-8-65                  | 8                                     | 3         |
|   |   |  | Sublease Agree.                            | 8                                     |           |
|   |   |  | 6-13-65<br>Eupp. Aprice.<br>9-12-65 35/    |                                       |           |
|   |   |  | 9-12-35 33/<br>Effective Date:<br>12-24-64 | 8                                     | 5         |
|   |   |  |  |                                       |           |
| 0168-45<br><b>A 7-1</b> 7-57<br><u>12</u> / | Surray IX 611 Company   | Texas Ensters Transmission<br>Comporation<br>South Cottonwood Creek Field,<br>Devitt County, Towns | Coatract 5-16-67                           | 276                                   | -         |
| 0168-51<br>(0160-282)<br><b>B 7-1</b> 4-07  | Apacha Corporation  | Northern Matural Gas Company<br>Engiond (Lover Morrow) Meld,<br>Entchinson County, Toxas           | Not. of Cancellation 7-11-67 39/           | 15                                    | , 2       |
| CI68-52<br>A 7-14-67                        | Witco Chemical Company, Inc.  | Pennsylvania Cas Carpany<br>Shoffiuld Township, Varven<br>County, Pennsylvania                     | Contract 7-6-67                            | 2                                     | -         |
|   |   |  |  |                                       |           |
| ci68-53<br>7-17-57<br>12/                   | Eintington Oil & Gas Company,<br>Agent der Gilmer O.<br>KeClellan, et al. | Pennzoil Company<br>Murphy District, Ritchio<br>County, West Virginia                              | Contract 4-10-67                           | 1                                     | •<br>%    |
| 3   | **************************************                                    |  |  |                                       |           |
| C168-59<br>(G-11012)<br>3 7-18-67           | Calf Cil Corporation<br>(Operator), et al.                                | United Puel Cas Company<br>Southeast Esuna Meld,<br>Terrebonne Parieb, Louisiana                   | Not. of Cancellation 7-17-67 39/           | 124.                                  | 10        |
| 0168-60<br>7-19-67<br>12/                   | Alma Oringderff Schaefor<br>d/b/a ilma Oringderff                         | Forthern Natural Cas Company<br>Acreage in Beaver County,<br>Oklahoma                              | Contract 5-31-67                           | 2                                     | -         |
| - Property and the second                   | ;   |  |  |                                       |           |

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OIL CONSERVATION COMMISSION

EXHIBIT NO. 10

CASE NO. 3672

BEFORE EXAMINER UTZ OIL CONSERVATION COMMISSION

EXHIBIT NO. //

CASE NO. 13673-\$000 \$000 \$000 \$000 \$000

TW 308 REV 2-67	and the same of th						STERN P			PANY 	Date:
Type Test: Operator	Initis	1	State		1.14						516. No
Operator 🌊	<i></i>	<u>.</u>			Lea	se				<u>. / W</u>	'ell No.
Location					Cou	nty				P	ipeline Conn.
Field					Res	ervoir		<u> </u>		2	erforations
Csg. Size								TD_			t. Producing Through: Csg. [ Tbg. 7]
											Oate SI ending 24 hour Test WHP (Ending) Inst. Rate
Date Shut in Press. Taken	9-14	1-67	i Time	<u>02</u>	Leng <u>A2</u> Shut	th of,	· · · · · · · · · · · · · · · · · · ·	Shu Cs	it In g. Press.,	, ρsig	Shut in Tbg. Press., psig./1222
Gas Gravity (G <sub>m</sub> )(G <sub>g</sub> )	623	API of I	Gravity Liquid @ 6	0° F _		Deh Cop	y. ocity <u></u>	∠ Pro Size	ver	Meter Run S	ize Orifice / 62 Type Tops / 1016
	TIME	ELAP.	W.H.	PRESS	SURE DAT	Α	METER O	R PROV	ER DATA	VOL.	REMARKS
DATE	READ, ING	HRS.	CASING psig	A.P. CSG	TUBING psig	AP TBG.	PRESS.	DIFF.	темр.	1 _	Include Temperature, Liquid Production and Flowing Characteristics
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9-14	1130				1792	/					First Delivery
9-18	1100	フン	<i>,</i>		1675	ļ	765	2/2	71	9305	
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WITNESSED BY: \_

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TESTED BY:

#### Len Mayer #1 Trene Brainard

3/10/67 TD 5996'. DST top of upper Wolfcamp 5810' - 5996' Ran 5 min. pre-flow. Had weak blow for 1 minute and died Opened well 15 minutes, closed in for 5 minutes. Total test time 20 minutes. Recovered 20' drilling mud. 60 min. initial shut-in pressure 145#; 60 min. final shut-in pressure 145#; initial flow pressure 95#; final flow pressure 120#; initial hydrostatic pressure 2630; final hydrostatic pressure 2643; temperature 111 deg.

```
3/13/67 Drilling 6655' in shale.
           Drilling at 6835' in shale.
3/14/67
           Drilling 6938' in lime, dolo and shale. Making 8' an hr.
3/1.5/67
          Drilling at 7100' in shale.
" " 7330' " "
 3/16
3/17
           Drilling 7827' in dolomite, lime and some shale. Making about 8' hr.
" 7917' " " " " Making 8 to 8' hr.
3/20
                                                                  ". Making 8 to 8' hr.
3/21
           Drilling 8029' in dolo, lime and shale. Making 6 to 7 ft. hr. Drilling 8146' in lime, dolo and shale. Drilling 8224, in lime, dolo and shale.
3/22
3/23
3/24
3/27
           Drilling 8620, in lime, dolo and shale
           Drilling 8705', in lime, dolomite and shale.
3/28
         Drilling 8765' in lime, dolo and shale.
Drilling 8814' sand
3/29
 3/30
           Drilling 8996. Coming out to put on test tool.
 3/31
           TD 8996'. DST 8800' to 8996'. PF 5 min - strong blow gts in 2\frac{1}{2} min @ rate of
          4,500 MCF/day. Shut in tool for 33 min to run ISIP. Open tool, gas to sur
           immediately, flowed 11 min @ rate of 12,000 MCP/day thru 3/4" choke, flowing
           surface pressure 850#.
```

33 min	ISIP	2480
44 min	FSIP	2480
	IFP	2162
ll min	FFP	2242
	IHP	4371
	FHP	4371
	1.420	

temp 1420

Increme	nt flow	rates:		
	1	Time	Vol.	Flowing
				TP at Sur
		$1\frac{1}{2}$ 11	3,000 MCF	200#
	1.	211	4,500 MCF	300#
		.311	5,700 MCF	400#
		411	7,000 MCF	500#
	l	611	8,500 MCF	600#
	1 	811	9,750 MCF	700#
		10"	11,250 MCF	800#
		11"	12,000 MCF	850#
		44"	SĮ	

Went back in hole and drilled to 9053' TD.

4/2 Running electric logs.

#### Len Mayer #1 Irene Brainard

3/10/67 TD 5996'. DST top of upper Wolfcamp 5810' - 5996' min. pre-flow. Had weak blow for 1 minute and died Opened well 15 minutes, closed in for 5 minutes. Potal test time 20 minutes. Recovered 20' drilling mud. 60 min. initial shut-in pressure 145#; 60 min. final shut-in pressure 145#; initial · flow pressure 95#; final flow pressure 120#; initial hydrostatic pressure 2630; final hydrostatic pressure 2643; temperature 111 deg.

```
3/13/67 Drilling 6655' in shale.
3/14/67 Drilling at 6835' in shale.
3/15/67 Drilling 6938' in lime, dolo and shale. Making 8' an hr.
 3/16 Drilling at 7100' in shale.
3/17 " " 7330' " "
3/17
3/20 Drilling 7827' in dolomite, lime and some shale. Making about 8' hr. 3/21 " 7917' " " " ". Making 8 to 8' hr. 3/22 Drilling 8029' in dolo, lime and shale. Making 6 to 7 ft. hr.
3/21
         Drilling 8146' in lime, dolo and shale.
Drilling 8224, in lime, dolo and shale.
3/23
3/27 Drilling 8620, in lime, dolo and shale
3/28 Drilling 8705', in lime, dolomite and shale.
          Drilling 8765' in lime, dolo and shale.
Drilling 8814' sand
3/29
 3/30
         Drilling 8996. Coming out to put on test tool.
 3/31
             TD 8996'. DST 8800' to 8996'. PF 5 min - strong blow gts in 2\frac{1}{2} min @ rate of
 4/1 TD 8996'. DST 8800' to 8996'. PF 5 min - strong blow gts in 2½ min @ rate 4,500 MCF/day. Shut in tool for 33 min to run ISIP. Open tool, gas to sur immediately, flowed 11 min @ rate of 12,000 MCP/day thru 3/4" choke, flow
```

surface	pressure 850#.	
	33 min	ISIP 2480
	44 min	FSIP 2480
		IFP 2162
	11 min	FFP 2242
		IHP 4371
		FHP 4371

immediately, flowed 11 min @ rate of 12,000 MCP/day thru 3/4" choke, flowing

# 

		temp	1420	
Increme	nt flow ra	tes:		A
		Time	Vol "	Flowing
			· —	TP at Sur
		$1\frac{1}{2}$ 11	3,000 MCF	200#
		2"	4,500 MCF	300#
		311	5,700 MCF	400#
		. 40	7,000 MCF	500#
		611	8,500 MCF	` 600# ⋅
		. 811	9,750 MCF	700#
		10"	11,250 MC	F 800#
		11"	12,000 MC	
		4411	SI	

Went back in hole and drilled to 9053' TD. Running electric logs.

```
3/10/67 TD 5996'. DST top of upper Wolfcamp 5810' - 5996' Ran 5 min. pre-flow. Had week blow for 1 minute and died Opened Well 15 minutes, closed in for 5 minutes. Total tout time 26 minutes. Recovered 20' drilling mud. 60 min. initial shut-in pressure 145%; 60 min. final shut-in pressure 145%; initial flow pressure 126%; initial flow pressure 2630; final hydrostatic pressure 2643; temperature 111 deg.

3/13/67 Drilling 6655' in shale.
3/14/67 Drilling at 6835' in shale.
3/15/67 Drilling 6938' in lime, dolo and shale. Making 8' an hr.
3/16 Drilling at 7100' in shale.
3/17 " 7330' " " " Making 8 to 8' hr.
3/20 Drilling 7827' in dolomite, lime and some shale. Making about 6' hr.
3/21 Drilling 8029' in dolo, lime and shale. Making 6 to 7 ft. hr.
3/23 Drilling 8029' in dolo, lime and shale. Making 6 to 7 ft. hr.
3/24 Drilling 8029' in dolo and shale.
3/25 Drilling 8705', in lime, dolo and shale.
3/27 Drilling 8705', in lime, dolo and shale.
3/28 Drilling 8705', in lime, dolo and shale.
3/29 Drilling 8765' in lime, dolo and shale.
3/30 Drilling 8765' in lime, dolo and shale.
3/31 Drilling 8996' Coming out to put on test tool.
4/1 TD 8996! DST 8800' to 8996' PF 5 min - strong blow gts in 2\frac{1}{2} min @ rate of
```

4/1 TD 8996! DST 8800 to 8990. Fr o min - strong of man - 2. 4,500 MCF/day. Shut in tool for 33 min to run ISIP. Open tool, gas to sur immediately, flowed 11 min @ rate of 12,000 MCP/day thru 3/4" choke, flowing surface pressure 850#.

33 min ISIP 2480

33 min	1215	2480
44 min 🖔	FSIF	2480
	IFP	2162
ll min	FTP	2242
	HP.	4371
	FHP	4371
temn	1420	

## Increment flow rates:

Time	Vol	·	Flowing
		7	P at Sur
	∵3,000:	MCF	200# 1
<b>ે:2</b> "	4,500	MCF	300#
3"	5,700	MCF	400#
4" (3)	ু 7, 000 :	MCF	,.500# ∂
611	8,500	MCF	``600#∵
9,80	. 9, 750.	WCF	7,00#
10"	11,250	MCF	∵ 800# '`
4.119 (4.75)	12,000	MCF	850# ·
4411	SĮ		

Went back in hole and drilled to 9053! TD.

4/2 Running electric logs.

/3 Running production casing.

Set 9,056.29 ft. 44" casing at 9,052 ft., 12 centralizers, 12 washers and 4 cement baskets. Cemented 150 sax Incore-Pozmix A with 4% jell; 3/4ths of 1% CFR 2; 10# salt per sack; 150 sax Incore-Pozmix A with 2% jell 0.7% Halad 9; 3/4 of 1% CFR 2 and 10# salt per sack; preceded cement with 150 barrels 9.2# brine water and 20 barrels mud flush; pumped plug down with 130 gallons acetic acid with Marflo II and fresh water. Plug down 8:45 A.M. 4/3/67.

## DRILLING REPORT #25\_

### Len Maver #1 Irene Brainard

4/4/67	Ran temperature surve	y. Top of cement 778	30 ft.
4/5 4/6	WOC Set packer on wire lit Set tubing on packer and packer from 8900' flowed within 30 min.	at 8800', perforated to 8944', 2 shots pe	through tubing or foot. Well
4/8	up to 7 MCF per day. Well shut in 16½ hrs. 1 hr. Clean up	Flowed well 4 hrs.	- ·
	1 hr. 16/64 1. hr. 24/64 15 min. 32/64	1650 PST F.P. 1480 PST "	2.7 MOF 5.03 MOF 6.96 MOR
	45 min. 40/64	770 PSI "	
4/9 4/10	Shut in. Prep to run 4 point to	est to gain potential	: ••

## Len Mayer #1 Trene Brainard

4/4/67 4/5	Ran temper WCC	ature surve	y. Top of c	ement 779	0 ft.	
4/6	Set packer	on wire li	ne at 8800'.	Running	tubing	•
			at 8800', pe			
		-	to 8944', 2			-
	•		after perfor	_		
·			Flowed well	_		
4/8 Well shut in 16½ hrs. Surface shut-in				ssure 19	900年。	
			20.32/64	-		
•			1850 PSI	F.P.	2.7	MCF
	l. hr.	24/64	1480 PSI	н	5.03	MCF
	15 min.		lllo PSI		6.96	MCF
	45 min.	40/64	770 PSI	II	7.69	MCF
4/9	Shut in.					•
4/10	Prep to run 4 point test to gain potential.					
4/11	Well shut in 67½ hrs. Surface shut-in pressure 1901#.				01#.	
	Ran bottom hole bomb to TD 9023, fluid level 8900 ft.					
	Following	results of	flow rates of	E 4 point	pressur	ce tests,
•	all flow p	ressures st	abalizing wit	thin 15 mi	inutes:	
	1/4" choke	Flow p	ressure 1803	3	2.268	MCF
	3/8" "	и , п	1642	2	4.698	MCF
•	7/16" "		1458	3	5.644	MCF
	1/2" "	n a	1296	5	6.512	MCF

Open flow potential being calculated and will be reported on subsequent report.

## DRILLING REPORT # 27

#### Len Mayer #1 Irene Brainard

4/4/67	Ran temperature survey	. Top of cement 77	80 ft.	
4/5	WOC			
4/6	Set packer on wire lin			
	Set tubing on packer at 8800', perforated through tubing			
	and packer from 8900' to 8944', 2 shots per foot. Well			
	flowed within 30 min.	after perforating at	t varying rates	
	up to 7 MCF per day.	Flowed well 4 hrs.	-	
4/8	Well shut in 16½ hrs.		essure 1900#.	
•	l hr. Clean up	<del>-</del>	•	
	l hr. 16/64	1850 PSI F.P.	2.7 MCF	
	1. hr. 24/64	1480 PSI "	5.03 MCF	
	15 min. 32/64	1110 PSI "	6.96 MCF	
	45 min 40/64	770 PSI "	7.69 MCF	
4/9	Shut in.			
4/10	Prep to run 4 point te	st to gain potential	L. •	
4/1.1				
•				
Following results of flow rates of 4 point pressure				
•	all flow pressures stabalizing within 15 minutes:			
	1/4" choke Flow pr	_	2.268 MCF	
• -	3/8" " " "	1642	4.698 MCF	
•	7/16" " " "		5.644 MCF	
•	1/2" " " "	1296	6.512 MCF	
,	-, -	2-50		

Open flow potential being calculated and will be reported on subsequent report.

4/17/67 Well tested 15 MMCF per day; estimated 10 barrels distillate per million.

This will close the daily reports. Final papers filed with Commission and will be forwarded under separate cover.

#### ATOKA-PENNSYLVANIAN GAS POOL

#### ALLOWABLES

April,	1967	
	Total Pool Allowable Marginal Well Allowable Non-Marginal Allowable	686,443 38,402 648,041
May, 19	<u>67</u>	
	Total Pool Allowable Marginal Well Allowable Non-Marginal Allowable	747,894 38,402 709,492
June, 1	967	
	Total Pool Allowable Marginal Well Allowable Non-Marginal Allowable	734,513 38,402 696,111
July, 1	<u>967</u>	
	Total Pool Allowable Marginal Well Allowable Non-Marginal Allowable	751,526 38,402 713,124
August,	1967	
	Total Pool Allowable Marginal Well Allowable Non-Marginal Allowable	991,364 42,409 948,955

BEFORE EXAMINER UTZ

IL CONSERVATION COMMISSION

CAPACE, EXHIBIT NO. 12

ASE NO. 36.72