

CASE 1624: El Paso Natural Gas Co. appli-  
cation for oil-gas dual of Huerfano Unit Well  
No. 103, 3-26N-10W, San Juan Co.

Casa No.

1624

Application, Transcript,  
Small Exhibits, Etc.

REPORT OF THE  
CITY CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

IN THE MATTER OF:

Case No. 1624

TRANSCRIPT OF HEARING

APRIL 8, 1959

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

BEFORE THE  
OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

IN THE MATTER OF:

Case 1624 Application of El Paso Natural Gas Company  
for an oil-gas dual completion. Applicant,  
in the above-styled cause, seeks an order  
authorizing the dual completion of its  
Huofano Unit well No. 103 located in the  
NE/4 NW/4 of Section 3, Township 26 North,  
Range 10 West, San Juan County, New  
Mexico, in such a manner as to permit the  
production of oil from the Angels Peak-  
Gallup Oil Pool and the production of gas  
from the Dakota formation adjacent to the  
Angels Peak-Dakota Gas Pool through parallel  
strings of two-inch tubing.

Room 109

Oil Conservation Commission

April 8, 1959

BEFORE:

E. J. FISCHER, Examiner.

TRANSCRIPT OF HEARING

MR. FISCHER: We will take up next Case 1624.

MR. PAYNE: Case 1624, "Application of El Paso Natural  
Gas Company for an oil-gas dual completion."

MR. SETH: Oliver Seth and Mr. Garrett Whitworth appearing  
for the applicant.

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

MR. FISCHER: Any other appearances to be made in this case?

(Witness sworn in.)

JOHN MASON

called as a witness, having been first duly sworn, was

3  
examined and testified as follows:

DIRECT EXAMINATION

BY MR. WHITWORTH:

Q Will you state your name, by whom you are employed and in what capacity, Mr. Mason.

A My name is John Mason, employed by El Paso Natural Gas Company as a proration engineer.

Q Would you give the examiner a brief history of your scholastic training and experience?

A I graduated from Vanderbilt University in March, 1953, with a B. S. degree in chemical engineering. Since that time, I have worked almost two years with the Atlantic Refining Company, six months with the Brazos Oil and Gas Company and three years at different times as an engineer with the Railroad Commission of Texas. Since October the 1st 1958, I have worked with El Paso Natural Gas Company in my present capacity.

Q What is that present capacity?

A Proration Engineer.

MR. WHITWORTH: We ask that the witness be qualified.

MR. FISCHER: He is.

Q (By Mr. Whitworth) Are you familiar with El Paso Natural Gas Company's Huerfano Unit No. 103 in the application in this case?

A Yes, I am. This is an application requesting an order

authorizing El Paso to complete the Huerfano No. 103 as an oil over gas dual in such a manner as to permit production of oil from the Gallup formation and the production of gas from the Dakota formation. At the time the application was filed, the gas-oil ratio data indicated that this was an oil completion in the Gallup zone. Since that time, the periodic gas-oil ratio measurements have indicated that this might more properly be classed as a gas completion in that the gas-oil ratios indicated on March 15, of this year showed a GOR of approximately nine thousand to one.

MR. WHITWORTH: In view of this testimony, we ask that El Paso's application on this date be amended to reflect an application for a gas-gas dual instead of an oil-gas, to obviate the necessity of filing for administrative ruling on gas-gas dual.

MR. PAYNE: If you had known this was going to be a gas-gas dual, would it have been eligible for administrative approval?

MR. WHITWORTH: It would have, yes sir.

MR. PAYNE: I see no objection to that.

MR. FISCHER: If there is no objection, then we will so amend it.

(Thereupon the document was marked as El Paso's Exhibit No. 1 for identification.)

Q (By Mr. Whitworth) Do you have a plat that has been marked as El Paso's Exhibit No. 1 indicating the location of the

well and all of the offset operators.

A Yes, I do. Exhibit No. 1 shows that the Huerfano Unit No. 103 is located sixteen hundred fifty feet from the west line, nine hundred ninety feet from the north line in Section 3, Township 26 North, Range 10 West. This diagram also indicates that Weaver-Brown is the other operator to the north in Section 34 and that El Paso Natural Gas Company is the operator as to the remaining surrounding acreage.

Q Will you explain where that well is located on the plat, Mr. Mason?

A Yes, it is located in the northeast quarter of the northwest quarter of Section 3, Township 26 North, Range 10 West. It is indicated by being circled with the red circle.

Q Now, do you have a diagrammatic sketch of the physical equipment on this well?

A Yes, I do.

MR. WHITWORTH: We ask that it be marked as El Paso's Exhibit No. 2.

(Thereupon, the document was marked as El Paso's Exhibit No. 2 for identification.)

A Exhibit No. 2 is a schematic diagram of the Huerfano No. 103. It shows that we have a total depth of seven thousand thirty feet, surface casing is ten and three quarter inch J-55 grade set at three hundred sixty three feet and cemented with four

sacks of cement which was circulated to the surface. The oil string is seven and five eighths inch J-55 and N-80 casing set at 6446. There is a five and a half inch liner of J-55 grade set from 6313 to 7027 feet. There is Baker Model D Production Packer set at 6200, nominal two inch tubing set in the Gallup to permit production from the Gallup formation, two inch EUE 4.7 pounds per foot and this tubing is landed at 6238 in the tubing perforation at 6203. The tubing string through which the Dakota will be produced is nominal two inch EUE 4.7 pounds landed at 6877. The tubing perforation is at 6834. The Gallup formation is perforated from 6241 to 6265 with four shots per foot and it was fractured with oil and sand. The Dakota formation was perforated from 68 at various intervals, from 6880 to 7000 feet shot with two shots per foot and fractured with oil and sand.

Q When was this well completed?

A This well was completed December the 8th, 1958.

Q Do you have potential information and gas-oil ratio information with respect to completion on the Gallup zone and the Dakota zone on this well?

A Yes, I do. The Gallup formation, the initial gas-oil ratio test that was taken March the 7th, 1959, test results were 82.8 barrel of oil per day, three hundred three MCF of gas and that gave us a gas-oil ratio of 28,000, 55 to 1 on March the 15th. Another gas-oil ratio test indicated production of 22.8 barrels of

oil, 5200 hundred fifty six MCF of gas, which resulted in gas-oil ratio of 98,947 to one. The Dakota formation was tested December 17th, 1958. The three quarter inch choke test showed a volume of 4460 MCF per day and the calculated absolute open flow of 5503 MCF per day.

Q Do you have a log of this well?

A Yes, I have.

MR. WHITWORTH: We'll ask that that be marked as El Paso's Exhibit No. 3.

(Thereupon, the document was marked as Exhibit No. 3 for Identification)

Q (By Mr. Whitworth) Would you please explain to the examiner what the log shows?

A This log shows the top and the base of the Gallup formation with the perforated interval and also shows the top and the bottom of the Dakota formation with perforated intervals.

Q In your opinion, would the granting of this application prevent the unnecessary drilling of wells and thereby prevent waste?

A Yes, it would.

Q Would the granting of this application prejudice correlative rights, in your opinion?

A No sir, it would not.

Q How were El Paso's exhibits in this case prepared?

A Exhibits No. 1 and 2 were prepared at my request by

the engineering department of our Farmington office, Exhibit No. 3 is a standard induction log run by the Schlumberger Well Surveying Corporation.

Q And in your opinion, would the equipment that El Paso has installed in this well permit any kind of tests that the Commission may require?

A Yes, it would.

Q Is there any thing else you wish to add to your testimony?

A No, that's all.

MR. WHITWORTH: We ask that El Paso's Exhibits No. 1, 2, and 3 be admitted.

MR. FISCHER: Without objection, they will be admitted.

MR. WHITWORTH: That's all.

MR. FISCHER: Any question of Mr. Mason?

MR. NUTTER: Yes.

MR. FISCHER: Mr. Nutter?

CROSS EXAMINATION

BY MR. NUTTER

Q Mr. Mason, where is this well located in relation to the Angels Peak-Gallup Oil Pool?

A I believe this is considered to be a part of Angels Peak-Gallup Oil Pool.

Q Is it within the defined limits of that pool?

A I couldn't say definitely, but the information that I have was gathered from the way in which the case was advertised and the Commission has stated that it was within the limits of the Gallup Oil Pool.

Q So actually rather than being a gas-gas dual completion, this is a high gas oil ratio oil well in the Angels Peak Gallup Oil and a Dakota gas well, isn't it?

A It would appear that way; however, though I haven't made any detailed studies on the geological location, the exhibits that we presented to the Commission at the reclassification hearing indicated that this well was located higher on the structure than the other wells that are presently classified as gas-gas duals.

Q This has been the so-called gas-cap in the pool?

A Yes.

MR. NUTTER: That's all.

MR. FISCHER: Any other questions of Mr. Mason?

CROSS EXAMINATION

BY MR. FISCHER

Q Mr. Mason, I notice in your original application on this 103 Huerfano, in your diagramatic sketch, you still don't make that change in your mechanical installation in the well?

A That's correct.

Q In any event, whatever this well is called or however it is classified, you still propose to operate that well under this

mechanical installation, is that right?

A Yes, as far as I know we will.

MR. FISCHER: Any other questions?

The witness may be excused.

(Witness excused)

MR. FISCHER: Any other statements to be made?

The case will be taken under advisement.

We will take a short recess.

(Short recess)

MR. FISCHER: The hearing will come to order, please.

Mr. Whitworth did you want to reopen Case No. 1624?

MR. WHITWORTH: Yes, I would like to reopen this case in order to request that should the Commission find that this well is an oil well instead of a gas well, then we withdraw our request for an amendment and leave the application as it is.

MR. FISCHER: All right.

MR. WHITWORTH: Or as it was in the beginning.

MR. FISCHER: All right, we will take the case under advisement.

STATE OF NEW MEXICO )  
 )ss  
COUNTY OF BERNALILLO)

I, JERRY MARTINEZ, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Hearing were reported by me in Stenotype, and that the same was reduced to typewritten transcript by me and contains a true and correct record of said proceedings, to the best of my knowledge, skill and ability.

DATED this 15th day of April 1959, in the City of Albuquerque, County of Bernalillo, State of New Mexico.

*Jerry Martinez*  
Notary Public

My Commission Expires:

January 24, 1962

I do hereby certify that the foregoing is  
a complete record of the proceedings in  
the Examiner hearing of Case No. 1624  
heard by me on April 8, 1959.

*E. J. Fisher*, Examiner  
New Mexico Oil Conservation Commission

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

# NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

## APPLICATION FOR DUAL COMPLETION

Field Name Wildcat Dakota & Angel Peak Gallup Ent.		County Sandoval	Date 3-16-59
Operator El Paso Natural Gas Company		Lease Huerfano Unit	Well No. 103 (GD)
Location of Well Unit C	Section 3	Township 26N	Range 10W

1. Has the New Mexico Oil Conservation Commission heretofore authorized the dual completion of a well in these same pools or in the same zones within one mile of the subject well? YES ☒ NO ☐
2. If answer is yes, identify one such instance: Order No. DC 677; Operator, Lease, and Well No.:

Huerfano Unit No. 99 (GD)

3. The following facts are submitted:	Upper Zone	Lower Zone
a. Name of reservoir	Gallup	Dakota
b. Top and Bottom of Pay Section (Perforations)	6241-6265	6880-7000
c. Type of production (Oil or Gas)	Oil	Gas
d. Method of Production (Flowing or Artificial Lift)	Flowing	Flowing

4. The following are attached. (Please mark YES or NO)

- Yes ☒ a. Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
- Yes ☒ b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
- No ☐ c. Waivers consenting to such dual completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.\*
- No ☐ d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.)

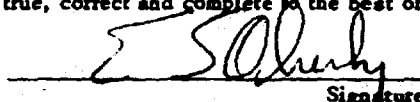
5. List all offset operators to the lease on which this well is located together with their correct mailing address.

El Paso Natural Gas Company is Unit Operator.

W. R. Weaver - Waiver requested. To be sent under separate cover to Santa Fe.

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES ☒ NO ☐ . If answer is yes, give date of such notification \_\_\_\_\_

CERTIFICATE: I, the undersigned, state that I am the Div. Petroleum Engineer of the El Paso Natural Gas Co. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

  
Signature

- \* Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.
- NOTE: If the proposed dual completion will result in an unorthodox well location and/or a non-standard perforation unit in either or both of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

# OPEN FLOW TEST DATA

DUAL COMPLETION

December 17, 1958

El Paso Natural Gas		Huerfano No. 103 (D)	
990N, 1650W; 3-26-10		San Juan	New Mexico
Dakota		Undesignated	
7-5/8	6446	2"	6867
6880	7000	7030 c/o 7014	Shut in 12/9/58
Sand - Oil Frac.		X	

.75	12.365	5-1/2 liner 6213 - 7027
(G) 1077	1089	(D) 1702
351	363	Calc.
74	.75	1.032
		.630

Initial SIPT (G) = 1058 PSIG  
Final SIPC (G) = 1087 PSIG

Packer at 6270

CHOKE VOLUME  $Q = \frac{C}{P} \times \frac{P_1}{P_2} \times \frac{P_3}{P_4} \times \frac{P_5}{P_6}$

$$C = 12.365 \times 363 \times .9868 \times .9759 \times 1.032$$

4460 MCF D

OPEN FLOW RATE  $Q = \left( \frac{C}{P} \right)^n$

Ans  $\left( \frac{2937796}{2332512} \right)^n$

$$1.2594^{.75} \times 4460 = 1.1890 \times 4460$$

Ans 5303 MCF D

Frank Clark

Checked By M. W. Rischard

*Louis D. Galloway*  
L. D. Galloway

# OPEN FLOW TEST DATA

DUAL COMPLETION

January 8, 1959

El Paso Natural Gas		Huerfano 103 (G)	
990H, 1650W; 3-25-10		San Juan New Mexico	
Gallup		Undesignated	
Casing Diameter	7-5/8	Set at Feet	6228
Flow Line	6241	Flow Line	7030 c/o 7014
Simulation Method	6265	Re	Shut in 12/31/58
Sand Oil Frac.		X	

Choke Size, Inch	Choke Coefficient	Shut-in Pressure, Casing, PSIG	Shut-in Pressure, Tubing, PSIG
.75	12.365	1088	1079
Flowing Pressure, P, PSIG	9	276	736
Temperature, T, F	288	67	1.035
	.75		.720

Initial SIPT (D) = 1792 psig

Final SIPT (D) = 1809 psig

Packer at 6270

CHOKE VOLUME  $Q = C \times P_1 \times F_1 \times F_2 \times F_3$

$$Q = 12.365 \times 288 \times .9933 \times .9129 \times 1.035 = 3342 \text{ MCF/D}$$

OPEN FLOW  $A_{of} = Q \left( \frac{P_1^2 - P_2^2}{P_1^2 - P_2^2} \right)^n$  *Gallup zone tested 19.6 BBLS oil for 3 hour test.*

$$A_{of} = \left( \frac{1210000}{650496} \right)^n \quad 1.8601^{.75} \times 3342 = 1.5940 \times 3342$$

$$A_{of} = 5327 \text{ MCF/D}$$

TESTED BY D. Mortensen

WITNESSED BY

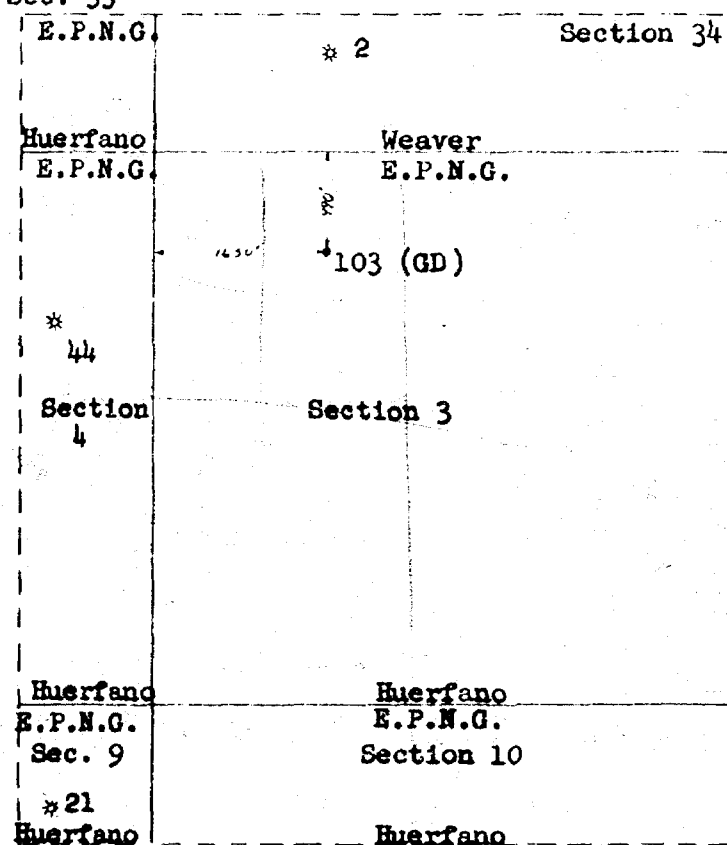
Checked By S. V. Roberts

*Lewis D. Galloway*  
L. D. Galloway

Plat Showing Location of Dually Completed  
El Paso Natural Gas Co. Huerfano Unit No. 103 (GD)  
and Offset Acreage

T-27-N  
R-10-W

Sec. 33



Legend

- ⊙ - Gallup (Oil) Dakota (Gas)
- \* - Pictured Cliffs

EL PASO NATURAL GAS COMPANY  
EL PASO, TEXAS

SCALE

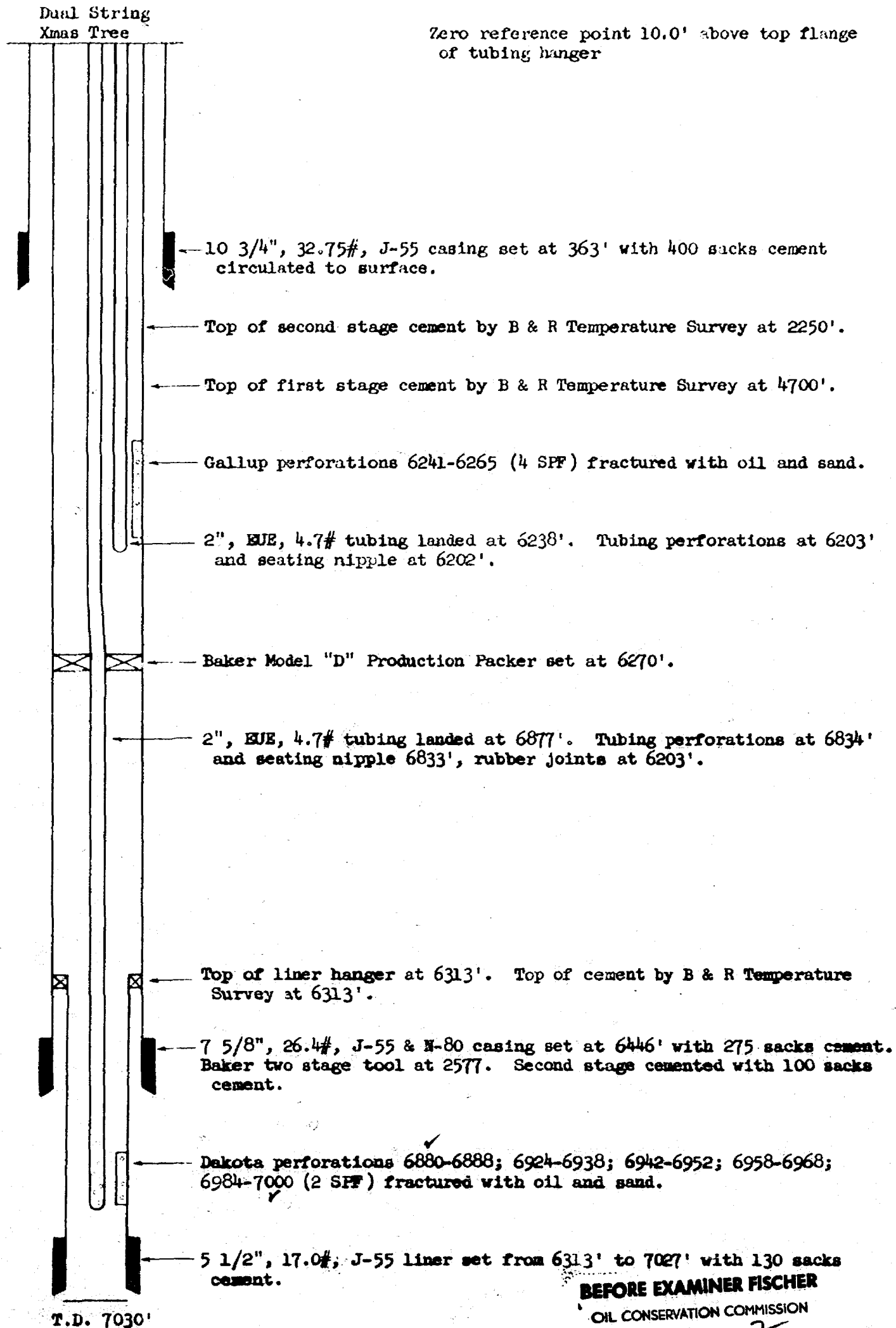
DATE

No.

DRAWN BY

CHECKED BY

SCHEMATIC DIAGRAM OF DUALY COMPLETED  
El Paso Natural Gas Co. Huerfano Unit No. 103 (GD)  
NW/4 Section 3, T-26-N, R-10-W



**BEFORE EXAMINER FISCHER**  
OIL CONSERVATION COMMISSION  
Exhibit No. 2  
Case No. 1624

STATE OF NEW MEXICO     )  
                                  )  
COUNTY OF SAN JUAN     )

I, Mack M. Mahaffey, being first duly sworn upon my  
oath depose and say as follows:

I am an employee of Baker Oil Tools, Inc., and that on  
December 7, 1958, I was called to the location of the El Paso  
Natural Gas Company Huerfano Unit No. 103 (GD) Well located in the  
NE1/4 of Section 3, Township 26 North, Range 10 West, N.M.P.M.,  
for advisory service in connection with installation of a production  
packer. In my presence, a Baker Model "D" Production Packer was set in this  
well at 6270 feet in accordance with the usual practices and customs  
of the industry.

*Mack M. Mahaffey*

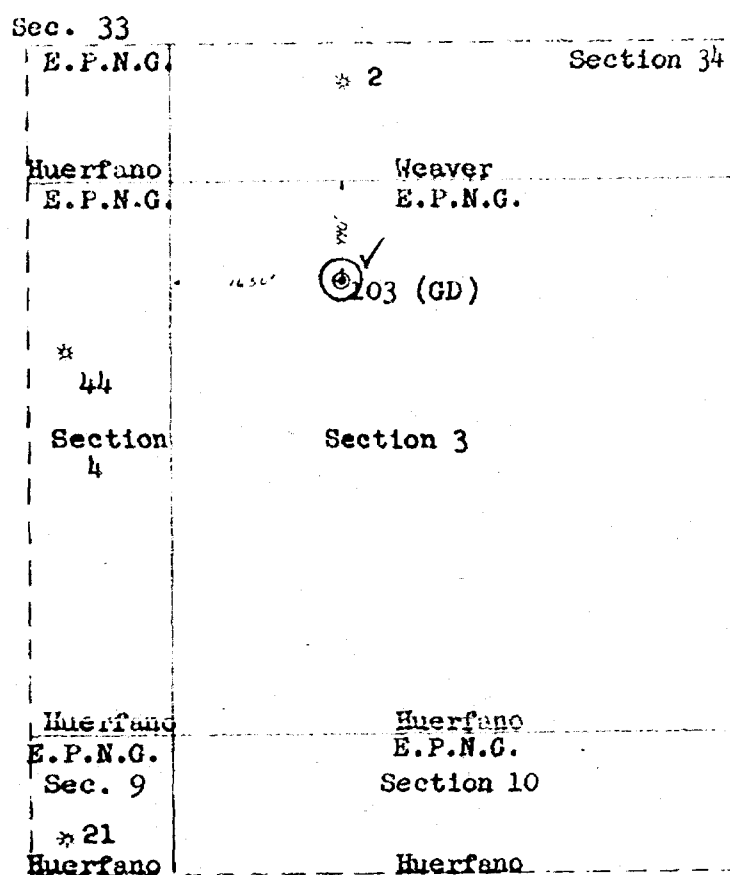
Subscribed and sworn to before me, a Notary Public in and  
for San Juan County, New Mexico, the 24th day of February, 1959.

*Edith M. Schell*

My commission expires February 24, 1960.

Plat Showing Location of Dually Completed  
El Paso Natural Gas Co. Huerfano Unit No. 103 (GD)  
and Offset Acreage

T-28-N  
R-10-W



Legend

- ⊙ - Gallup (Oil) Dakota (Gas)
- \* - Pictured Cliffs

BEFORE EXAMINER FISCHER

OIL CONSERVATION COMMISSION

Exhibit No. 1  
Case No. 1624

EL PASO NATURAL GAS COMPANY  
EL PASO, TEXAS

SCALE	DATE	No.
DRAWN BY	CHECKED BY	

May

March 14 1959

# El Paso Natural Gas Company

El Paso, Texas

March 16, 1959



ADDRESS REPLY TO  
POST OFFICE BOX 997  
EL PASO, TEXAS

Mr. A. N. Brown  
Suite 337  
1740 Broadway  
Denver 2, Colorado

Re: Huerfano #103 Well

Dear Mr. Brown:

El Paso Natural Gas Company proposes a dual completion well to be located in the W/2 of Section 3, Township 26 North, Range 10 West, San Juan County, New Mexico. This well will be dually completed in both the Gallup and Dakota formations.

Inasmuch as you are the owner and operator of the acreage which adjoins the drilling block, and if you have no objections to this proposed dual completion, we would appreciate your signing the attached copy of this letter and returning same to this office.

In the event our records are incorrect and you are not the lease owner of the acreage described above, it would be appreciated if you could advise us as to the correct owner.

Your prompt consideration of this matter will be greatly appreciated.

Very truly yours,

D. N. Canfield  
Division Landman  
Land Department

DNC:MC:cs

The above mentioned dual completion well is hereby approved.

A. N. BROWN

3/19

, 1959.

## NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

## APPLICATION FOR DUAL COMPLETION

Field Name <u>Wildcat Dakota &amp; Angel Peak Gallup Ext.</u>	County <u>San Juan</u>	Date <u>2-20-59</u>
Operator <u>El Paso Natural Gas Company</u>	Lease <u>Huerfano Unit</u>	Well No. <u>103 (GD)</u>
Location of Well Unit <u>C</u> Section <u>3</u> Township <u>26N</u> Range <u>10W</u>		

1. Has the New Mexico Oil Conservation Commission heretofore authorized the dual completion of a well in these same pools or in the same zones within one mile of the subject well? YES ☒ NO ☐

2. If answer is yes, identify one such instance: Order No. DS-677; Operator, Lease, and Well No.:

Huerfano Unit No. 99 (GD)

No - gas / gas dual

3. The following facts are submitted:

	Upper Zone	Lower Zone
a. Name of reservoir	Gallup	Dakota
b. Top and Bottom of Pay Section (Perforations)	6241-6265	6880-7000
c. Type of production (Oil or Gas)	Oil (Gas)	Gas
d. Method of Production (Flowing or Artificial Lift)	Flowing	Flowing

4. The following are attached. (Please mark YES or NO)

Yes a. Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.

Yes b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.

NO c. Waivers consenting to such dual completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.\*

No d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

El Paso Natural Gas Company Unit Operator

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES ☒ NO ☐ . If answer is yes, give date of such notification \_\_\_\_\_.

CERTIFICATE: I, the undersigned, state that I am the Division Petroleum Engr. of the El Paso Natural Gas Co. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

E. S. Oluey  
Signature

\* Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed dual completion will result in an unorthodox well location and/or a non-standard proration unit in either or both of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

DOCKET: EXAMINER HEARING APRIL 8, 1959

Oil Conservation Commission Office, Room 109, State Capitol, Santa Fe

The following cases will be heard before E. J. FISCHER, Examiner:

- CASE 1420: Application of Caulkins Oil Company and El Paso Natural Gas Products Company for an amendment of Order No. R-1191, for approval to convert two wells to water injection, for establishment of an administrative procedure for extending the South Blanco water injection project and for including new wells in said project, for an unorthodox gas well location and for a dual completion. Applicants, in the above-styled cause, seek an order amending Order No. R-1191 to extend the project area of the South Blanco water injection project to include acreage in Sections 6, 7, and 8, Township 26 North, Range 6 West, Rio Arriba County, New Mexico, and for the establishment of an administrative procedure whereby the project area may be extended and new wells included without notice and hearing. Applicants further seek permission to convert two wells located in said Sections 6 and 7 to water injection, and to dually complete the Caulkins Well No. T-123 located in the NW/4 NE/4 of said Section 7 in such a manner as to permit production from the Dakota formation and production from, or water injection into, the Tociito formation, and for approval of an unorthodox gas well location for said well.
- CASE 1624: Application of El Paso Natural Gas Company for an oil-gas dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Huerfano Unit Well No. 103 located in the NE/4 NW/4 of Section 3, Township 26 North, Range 10 West, San Juan County, New Mexico, in such a manner as to permit the production of oil from the Angels Peak-Gallup Oil Pool and the production of gas from the Dakota formation adjacent to the Angels Peak-Dakota Gas Pool through parallel strings of two-inch tubing.
- CASE 1625: Application of El Paso Natural Gas Company for an oil-gas dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Huerfano Unit Well No. 105 located in the SE/4 SE/4 of Section 29, Township 27 North, Range 10 West, San Juan County, New Mexico, in such a manner as to permit the production of oil from the Gallup formation adjacent to the Angels Peak-Gallup Oil Pool and the production of gas from the Dakota formation adjacent to the Angels Peak-Dakota Gas Pool through parallel strings of two inch tubing.
- CASE 1626: Application of Pan American Petroleum Corporation for an oil-gas dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Gallegos Canyon Unit Well No. 83 located 990 feet from the North and East lines of Section 26, Township 28 North, Range 12 West, San Juan County, New Mexico, in such a manner as to permit the production of oil from an undesignated Gallup oil pool and the production of gas from an undesignated Dakota gas pool through parallel strings of 2-3/8 inch tubing.

- CASE 1627: Application of Pan American Petroleum Corporation for an oil-gas dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Gallegos Canyon Unit Well No. 84 located 990 feet from the North and West lines of Section 26, Township 28 North, Range 13 West, San Juan County, New Mexico, in such a manner as to permit the production of oil from an undesignated Gallup oil pool and the production of gas from an undesignated Dakota gas pool through parallel strings of 2-3/8 inch tubing.
- CASE 1628: Application of Tidewater Oil Company for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its A. B. Coates "C" Well No. 22 located in the NW/4 NE/4 Section 24, Township 25 South, Range 37 East, Lea County, New Mexico, in such a manner as to permit the production of oil from the Justis-Blinebry Oil Pool and the production of oil from the Justis-Montoya Oil Pool through parallel strings of 2-3/8 inch tubing.
- CASE 1629: Application of Humble Oil & Refining Company for a non-standard gas proration unit. Applicant, in the above-styled cause, seeks an order establishing a 320-acre non-standard gas proration unit in the Eumont Gas Pool consisting of the SE/4 of Section 18 and the NE/4 of Section 19, Township 22 South, Range 37 East, Lea County, New Mexico, said unit to be dedicated to applicant's State "M" Well No. 1 located 1980 feet from the South and East lines of said Section 18.
- CASE 1630: Application of Hall and Wecker for the creation of a new oil pool and the establishment of allowables therefor. Applicant, in the above-styled cause, seeks an order creating a new oil pool for Delaware production to be designated the El Mar-Delaware Pool and to consist of the NW/4 NW/4 of Section 36, Township 26 South, Range 32 East, Lea County, New Mexico, alleged by applicant to be an extension of the El Mar (Delaware) Field in Loving County, Texas. Applicant further seeks the promulgation of pool rules governing the establishment of allowables for said pool.

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

Date April 9, 1959

CASE NO. No 24

HEARING DATE April 8, 1959

My recommendations for an order in the above numbered case <sup>is</sup> ~~are~~  
as follows:

Recommend Approval —

1. ~~Grass Creek~~ Dual Completion.
2. E. P. N. G. Co. Herfano Unit Well  
No. 103 in NE 1/4 NW 1/4 of Sect. 3-26N-12W  
San Juan Co.
3. Dual strings of tubing.
4. Per. leak test during Annual  
Deliverability Test Period of Angel  
Peak-Dakota Gas Pool

5.

E. J. Fischer  
Staff Member

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. 1624  
Order No. R-1366

APPLICATION OF EL PASO NATURAL GAS  
COMPANY FOR AN ORDER AUTHORIZING A  
DUAL COMPLETION IN THE ANGELS PEAK-  
GALLUP OIL POOL AND IN THE DAKOTA  
FORMATION ADJACENT TO THE ANGELS  
PEAK-DAKOTA GAS POOL, SAN JUAN COUNTY,  
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on April 8, 1959, at Santa Fe, New Mexico, before E. J. Fischer, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 13<sup>th</sup> day of April, 1959, the Commission, a quorum being present, having considered the application, the evidence adduced and the recommendations of the Examiner, E. J. Fischer, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, El Paso Natural Gas Company, is the operator of the Huerfano Unit Well No. 103, located 990 feet from the North line and 1650 feet from the West line of Section 3, Township 26 North, Range 10 West, NMPM, San Juan County, New Mexico.
- (3) That the applicant proposes to dually complete the above-described Huerfano Unit Well No. 103 in such a manner as to permit production from the Angels Peak-Gallup Oil Pool and production from the Dakota formation adjacent to the Angels Peak-Dakota Gas Pool through parallel strings of 2-inch KUE tubing.
- (4) That the mechanics of the proposed dual completion are feasible and in accord with good conservation practices.
- (5) That approval of the subject application will not cause waste nor impair correlative rights.

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Case No. 1624  
Order No. R-1366

IT IS THEREFORE ORDERED:

That the applicant, El Paso Natural Gas Company, be and the same is hereby authorized to dually complete its Huerfano Unit Well No. 103, located 990 feet from the North line and 1650 feet from the West line of Section 3, Township 26 North, Range 10 West, NMPM, San Juan County, New Mexico, in such a manner as to permit production from the Angels Peak-Gallup Oil Pool and production from the Dakota formation adjacent to the Angels Peak-Dakota Gas Pool through parallel strings of 2-inch EUE tubing.

PROVIDED HOWEVER, That applicant shall complete, operate, and produce said well in accordance with the provisions of Section V, Rule 112-A.

PROVIDED FURTHER, That applicant shall take packer-leakage tests upon completion and annually thereafter during the Annual Deliverability Test Period for the Angels Peak-Dakota Gas Pool.

IT IS FURTHER ORDERED: That jurisdiction of this cause is hereby retained by the Commission for such further order or orders as may seem necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of applicant to comply with any requirement of this order, after proper notice and hearing the Commission may terminate the authority hereby granted and require applicant or its successors and assigns to limit its activities to regular single-zone production in the interests of conservation.

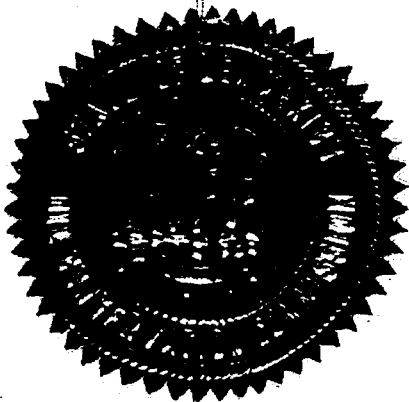
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

*John Burroughs*  
JOHN BURROUGHS, Chairman

*Murray E. Morgan*  
MURRAY E. MORGAN, Member

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



lr/

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

April 14, 1959

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

Dear Mr. Seth:

On behalf of your clients, El Paso Natural Gas Company and  
Tidewater Oil Company, we enclose two copies of each of the following  
orders:

Order R-1366 in Case 1624  
Order R-1367 in Case 1625  
Order R-1370 in Case 1628

All of these orders were issued on April 13, 1959 by the Oil Conservation  
Commission.

Very truly yours,

A. L. Porter, Jr.  
Secretary - Director

bp  
Encls.