

CASE 1625: El Paso Natural Gas Co. appli-
cation for oil-gas dual of Huerfano Unit Well
No. 105, 29-27N-10W, San Juan County.

Case No.

1625

Application, Transcript,
Small Exhibits, Etc.

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

IN THE MATTER OF:

Case No. 1625

TRANSCRIPT OF HEARING

APRIL 8, 1959

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

IN THE MATTER OF:

Case No. 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 per-
mit 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.

Room 109
Oil Conservation Commission
April 8, 1939

BEFORE:

E. J. FISCHER, Examiner.

TRANSCRIPT OF HEARING

MR. FISCHER: We will take up next Case 1625.

MR. PAYNE: Case 1625, "Application of El Paso Natural Gas
Company for an oil-gas dual completion."

MR. SETH: The same appearances as in Case 1624.

MR. FISCHER: Please proceed.

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

JOHN MASON

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

DIRECT EXAMINATION

BY MR. WHITWORTH:

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

Q You are the same Mr. Mason who testified in the preceding case, is that right?

A Yes, I am.

MR. WHITWORTH: Is it necessary that he be sworn in this case?

MR. PAYNE: I don't believe so.

MR. FISCHER: Proceed.

Q (By Mr. Whitworth) Are you familiar with El Paso Natural Gas Company's application in this case?

A Yes, I am. This is an application requesting an order authorizing El Paso Natural Gas Company to complete its Huerfano Unit Well No. 105 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.

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

Q (By Mr. Whitworth) Do you have a plat marked El Paso's No. 1 indicating the location of this well and the offset operators?

A Yes, I do. Exhibit No. 1 shows the Huerfano No. 105 well to be located eight hundred feet from the south line and six hundred eighty feet from the east line Section 29 Township 27 north Range 10 west. The well, the subject well is circled with red. The sketch also shows the offset operator to be Pan American Petroleum Corporation, which is operating in Section 20 to the

north; the remaining acreage is operated by El Paso Natural Gas Company.

Q Do you have a diagrammatic sketch of the physical equipment on this well?

A Yes, I do.

MR. WHITWORTH: We'll mark that as El Paso's Exhibit No. 2.

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

Q (By Mr. Whitworth) Will you please explain this exhibit to the Commission?

A Exhibit No. 2 is a schematic diagram of the Huerfano Unit No. 105 and the completion equipment. It indicates that the well has a total depth of 6543 feet, that the surface casing is ten and three quarter inch J-55 grade set at three hundred sixty eight feet with two hundred sacks of cement, which was circulated to the surface. The oil string is seven and five eighths inch combination string of N-80 and J-55 casing set at 5792. There is a five and a half inch liner of J-55 grade set from 5736 to 6540. A Baker Model D Production Packer is set at 5706. Tubing to the Gallup formation is nominal two inch tubing EUE 4.7 pounds per foot slanted at 5648 with tubing perforations at 5615. The tubing projected to the Dakota formation is nominal two inch EUE 4.7 pounds per foot slanted at 6397 with tubing perforations at 6362.

The Gallup formation is produced from 121 to 166 when there are 100 feet and fractured with oil and sand. The Dakota formation is produced at intervals within the range of 6270 to 6400, fractured with 1000 shots per foot and fractured with oil and sand.

Q Is this well within the defined limits of the pool?

A No, it isn't.

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

A Yes, I do. The Gallup formation on March 28, 1959 produced 786.8 barrels of oil, 973 MCF of gas for a gas-oil ratio of 11,210 to 1. The Dakota formation, from a three-quarter inch choke test, produced 4325 MCF of gas and at a calculated absolute open flow of 4846 MCF.

Q When was this well first completed?

A December 13th, 1956.

Q Do you have a log of this well?

A Yes, I do.

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

(Thereupon, the document was marked as El Paso's Exhibit No. 3 for identification.)

Q (By Mr. Whitworth) What does this log show?

A. And the gravel on top and the gravel on the top formation with the perforated intervals, the top of the Dakota formation with the perforated intervals.

Q. Will the equipment that El Paso has installed in this well permit the performance of any kind of test that the Commission might require?

A. Yes, it will permit such tests.

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

A. Yes, it would.

Q. Would it prejudice correlative rights?

A. No.

Q. How were El Paso's Exhibits Nos. 1, 2 and 3 prepared?

A. Exhibits No. 1 and 2 were prepared at my request by the Engineering Department in our Farmington office and Exhibit No. 3 is a standard induction and electric log done by the Schlumberger Well Surveying Corporation.

MR. WHITWORTH: We ask that the exhibits be admitted.

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

Q. (By Mr. Whitworth) Do you have anything further that you would like to add to your testimony in this case?

A. No, I do not.

MR. FISCHER: Are there questions of Mr. Mason?

I have some questions, Mr. Mason.

CROSS EXAMINATION

BY MR. FISCHER:

Q I wanted to ask you one thing: Is this tubing two inch OD EUE or two inch ID EUE?

A Well, it's actually two and three quarter inch, two and three eighths inch OD which is the nominal two inch type tubing. I do have the exact measurements on that if you would like.

Q No, I just wanted to know what you meant, whether it was ID or OD.

A All right.

Q You don't think that this roughly eight hundred and thirty seven tail pipe behind your operation of the long string of tubing will in any way effect the packer?

A No, it is not felt that it would.

Q Is this a continuous string of tubing, your long string, or does it have a safety joint?

A To my knowledge it does not have a safety joint.

Q Just one continuous string with your chevron packing there where it fits in the--

A Yes.

Q --packer, is that correct?

A Yes.

MR. FISCHER: That's all of the questions I have.
Are there any other questions of the witness?

The witness may be excused, if not.

(Witness excused)

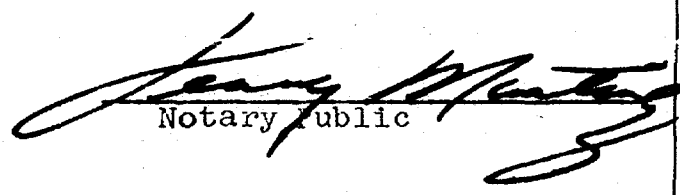
MR. FISCHER: Any statments to be made in this case?

The case will be taken under advisement.

STATE OF NEW MEXICO)
) ss
COUNTY OF BERNALILLO)

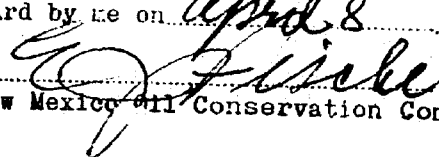
I, JERRY MARTINEZ, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Hearing were reported by me in Stenotype, and that the same was reduced to typewritten transcript by me and contains a true and correct record of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


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. 1025 heard by me on April 8, 1959.
 Examiner
New Mexico Oil Conservation Commission

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.

C
O
P
Y

PAN AMERICAN PETROLEUM CORPORATION

OIL AND GAS BUILDING

ALEX CLARKE, JR.
DIVISION ENGINEER

FORT WORTH, TEXAS

March 16, 1959

File: GWK-3182-986.510.1

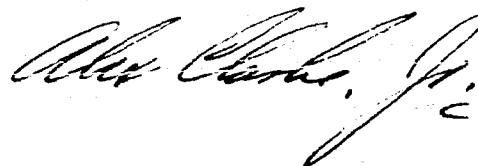
Subject: Waiver of Objection
El Paso Natural Gas Company
Dual Completion Huerfano
Unit No. 105, San Juan County,
New MexicoNew Mexico Oil Conservation Commission
Capitol Annex Building
Santa Fe, New Mexico

Gentlemen:

The undersigned, being an authorized representative of the offset operator, has been duly informed by El Paso Natural Gas Company of its application for a permit to dually complete its Huerfano Unit Well No. 105, undesignated Gallup - Dakota dual, San Juan County, New Mexico, and hereby waives all objections to the granting of a permit for this purpose.

It is our understanding that this well is located in the SE/4 Section 29, T-27-N, R-10-W, San Juan County, New Mexico.

Very truly yours,



AJI:lj

cc: El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

APPLICATION FOR DUAL COMPLETION

Field Name Wildcat Dakota and Angel Peak Gallup Ext.		County San Juan	Date March 16, 1959
Operator El Paso Natural Gas Company		Lease Huerfano Unit	Well No. 105 (GD)
Location of Well 1	Unit 29	Township 27N	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 X

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

3. The following facts are submitted:	Upper Zone	Lower Zone
a. Name of reservoir	Gallup	Dakota
b. Top and Bottom of Pay Section (Perforations)	5640-5666	6276-6406
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.

Pan American - 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 X 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.

E. S. Oberly
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.

OPEN FLOW TEST DATA

DUAL COMPLETION

DATE December 30, 1958

Operator El Paso Natural Gas		Well Huerfano Unit 105 (D)	
Location 800S, 680E; 29-27-10		County San Juan	State New Mexico
Formation Dakota		Pool Undesignated	
tubing: 1 1/8 inch	Depth, Feet 5792	tubing: 2 inch	Depth, Feet 6387
Perforations 6276	Perforation Interval 6406	Perforation Interval 6548 c/o 6497	Shut in 12/13/58 Flow through tubing X
Stimulation Method Sand Oil Frac.			

Choke Size, Inches .75	Choke Constant, C 12.365	5-1/2 liner 5736 - 6540
Shut-in Pressure, Casing (G) 1334	PSIG - 12 PSIA 1346	Shut-in Pressure, Casing (D) 1924
Flowing Pressure, P 342	PSIG - 12 PSIA 354	Flowing Pressure, P Calc.
Temperature, T 77	F .75	Temperature, T 1.029
		Gravity .630

Initial SIPT (G) = 1318 PSIG
Final SIPC (G) = 1351 PSIG

Packer at 5706

CHOKED VOLUME $Q = C \times P_1 \times P_2 \times P_3 \times P_4$

$$C = 12.365 \times 354 \times .9840 \times .9759 \times 1.029$$

4325

MCF/D

OPEN FLOW Aof $Q = \left(\frac{P_1}{P_2 - P_1} \right)^n$

Aof $\left(\frac{3748096}{3204927} \right)^n$

$$1.1694^{.75} \times 4325 = 1.1246 \times 4325$$

Aof 4864

MCF/D

TESTED BY **Frank Clark**

WITNESSED BY

Checked by: **R. Davis**

Lewis D. Galloway
L. D. Galloway

OPEN FLOW TEST DATA

DUAL COMPLETION

January 27, 1959

El Paso Natural Gas Company		Huerfano Unit 105 (G)	
8003, 680E; 29-27-10		San Juan New Mexico	
Gallup		Undesignated	
7-5/8	5792	2"	5638
5614	5666	6548 c/o 6497	Shut in 12/13/58
Sand Oil Frac.		X	

.75		12.365		5-1/2 liner 5736 - 6540	
(G)	1336	1348	45	(G)	1326
150		162		552	564
74		.75		1.019	.720

Initial (A) SIPT = 1972 psig
Final (D) SIPT = 1988 psig

Packer at 5706

CHOKE VOLUME = $Q = C \times R \times E \times F \times F_v$

$$Q = 12.365 \times 162 \times .9868 \times .9129 \times 1.019 = 1839$$

OPEN FLOW Ad

$$\left(\frac{1817104}{1499008} \right)^n$$

Well was flowed through high pressure separator with .75" choke downstream of separator. Liquid production was then measured in a stock tank. Well produced 71.4 bbls of oil during the three hour test. This would indicate a production rate of 571.2 bbls/day, or a G.O.R. of 3,283.

$$\left(\frac{1817104}{1499008} \right)^n$$

$$1.2122^{.75} \times 1839 = 1.1558 \times 1839$$

2126

TESTED BY James Goodwin and D. Mortensen

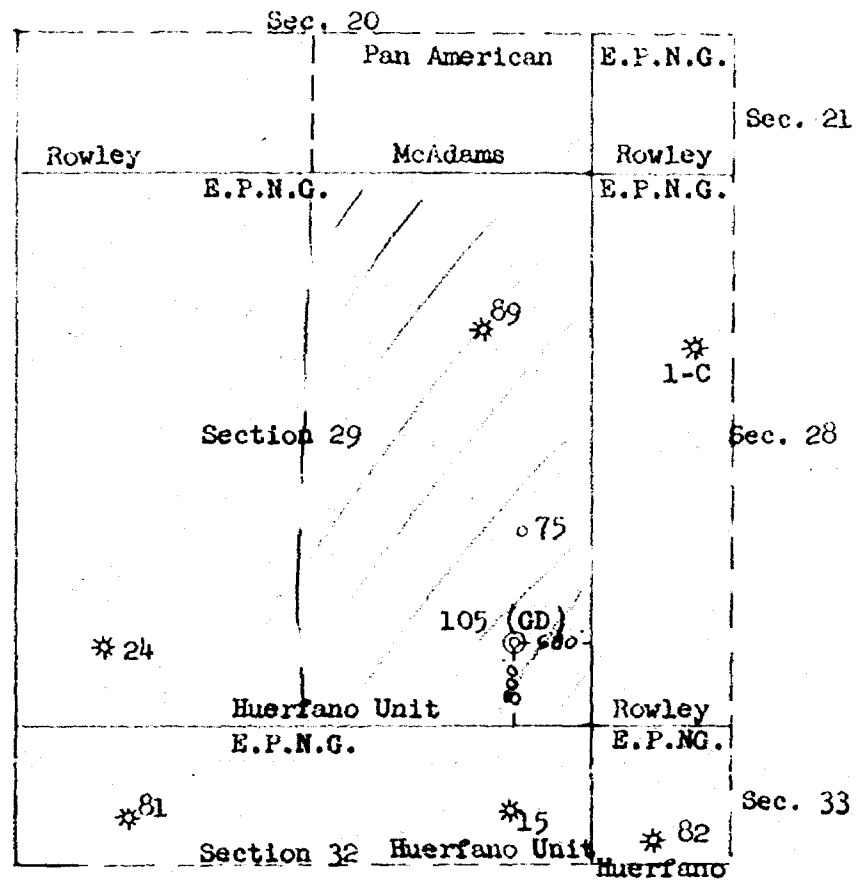
WITNESSED BY

Checked By M. W. Rischard

L. D. Galloway

PLAT SHOWING LOCATION OF DUALY COMPLETED
El Paso Natural Gas Co. Huerfano Unit No. 105 (GD)
and Offset Acreage

T-27-N
R-10-W



Legend

© - Gallup (Oil) Dakota (Gas)
* - Pictured Cliffs

EL PASO NATURAL GAS COMPANY
EL PASO, TEXAS

FORM 7-132R (10-56)

SCALE	DATE	No.
DRAWN BY	CHECKED BY	

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 11, 1958, I was called to the location of the El Paso
Natural Gas Company Huerfano Unit No. 105 (GD) Well located in the
SESE/4 of Section 29, Township 27 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 5706 feet in accordance with the usual practices and
customs of the industry.

Mack M. Mahaffey

Subscribed and sworn to before me this 27th day of February,
1959.

Paul H. Noel
Notary Public in and for San Juan
County, New Mexico

My commission expires February 24, 1960

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

APPLICATION FOR DUAL COMPLETION

Field Name <u>Wildcat Dakota and Angel Peak Gallup Sh.</u>		County <u>San Juan</u>	Date <u>February 25, 1958</u>
Operator <u>El Paso Natural Gas Company</u>		Lease <u>Huerfano Unit</u>	Well No. <u>105 (GD)</u>
Location of Well	Unit <u>29</u>	Township <u>27N</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. ; Operator, Lease, and Well No.:

3. The following facts are submitted:	Upper Zone	Lower Zone
a. Name of reservoir	Gallup	Dakota
b. Top and Bottom of Pay Section (Perforations)	5640-5666	6276-6406
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 Unit Operator

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X 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.

E. S. O'Leary
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 production unit in either or both of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

OIL CONSERVATION COMMISSION
P. O. BOX 871
SANTA FE, NEW MEXICO

Case 1625

NSL 165
11/3/58

C
O
P
Y

March 17, 1959

El Paso Natural Gas Company
Box 997
Farmington, New Mexico

Attention: Mr. E. S. Oberly

Re: Dual Completion Application
Huerfano Unit # 105 (GD)

Gentlemen:

The subject well will necessitate a hearing for consideration for approval because they are Gallup Oil over Dakota Gas, both zones are not in the defined horizontal limits of a pool and are more than a mile from similar approved duals.

You will be notified in the near future of the hearing date for the application.

Very truly yours,

E. J. FISCHER
District Engineer

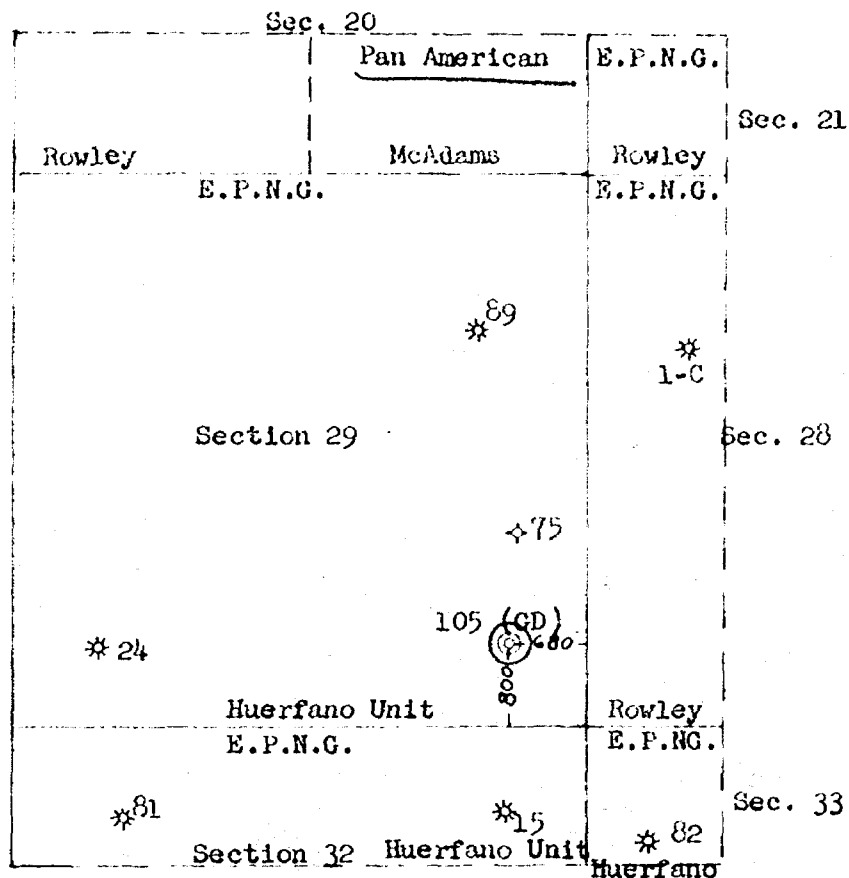
EJF/eg

cc: Oil Conservation Commission - Antec

Docket Mailed
3-25-59
BP

PLAT SHOWING LOCATION OF DUALY COMPLETED
El Paso Natural Gas Co. Huerfano Unit No. 105 (GD)
and Offset Acreage

T-27-N
R-10-W



Legend

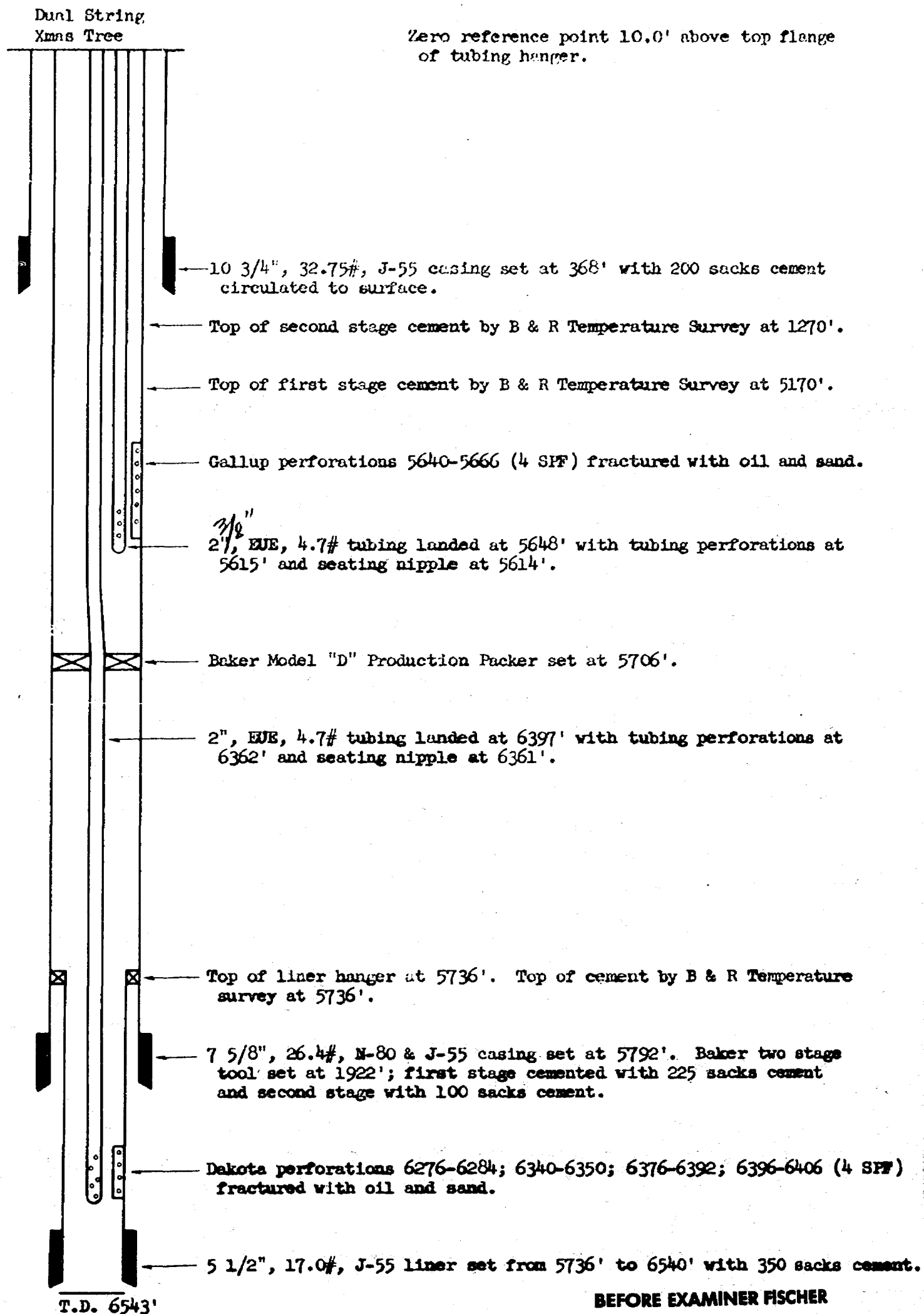
- - Gallup (Oil) Dakota (Gas)
- * - Pictured Cliffs

BEFORE EXAMINER FISCHER
OIL CONSERVATION COMMISSION
4/8/59 Exhibit No. 1
Case No. 1623

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. Huertano Unit No. 105 (GD)
SE/4 Section 29, T-27-N, R-10-W



BEFORE EXAMINER FISCHER

OIL CONSERVATION COMMISSION

Exhibit No. 2
Case No. 11625

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 Hill and Meeker 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. 1625

HEARING DATE April 8, 1959

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

Recommend Approval

- (1) E. P. N. G. Co. Surfano Unit Well #105, 25 1/4 59/4, Sect. 29-27N-10W San Juan Co. N.M.
- (2) Gallup Oil over Dakota Gas ~~(As to Angel Peak - Underdesign Dakota)~~
- (3) Parallel strings of 2" ID EVE tbg.
- (4) Pkr. leak test annually during annual Deliverability Test Period for Dakota (Angel Peak - Dakota In Pool)

E. 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. 1625
Order No. R-1367

APPLICATION OF EL PASO NATURAL GAS
COMPANY FOR AN ORDER AUTHORIZING AN
OIL-GAS DUAL COMPLETION IN THE GALLUP
FORMATION ADJACENT TO THE ANGELS PEAK-
GALLUP OIL POOL AND IN AN UNDESIGNATED
DAKOTA FORMATION, 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 13th 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. 105, located 800 feet from the South line and 680 feet from the East line of Section 29, Township 27 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. 105 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 an undesignated Dakota formation through parallel strings of 2-inch EUE 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.

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. 105, located 800 feet from the South line and 680 feet from the East line of Section 29, Township 27 North, Range 10 West, NMPM, 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 an undesignated Dakota formation 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

M. E. Morgan
MURRAY E. MORGAN, Member

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

