

CASE 2442: Application of EL PASO
NATURAL GAS CO. to dual its
MESCALERO RIDGE UNIT WELL NO. 1.

asa / / o.

2442

lication, Transcript,
all Exhibits, Etc.

GOVERNOR
EDWIN L. REICHEN
CHAIRMAN

State of New Mexico
Oil Conservation Commission

LAND COMMISSIONER
E. A. JOHNNY WALKER
MEMBER



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

P. O. BOX 871
SANTA FE

December 14, 1961

Mr. Garrett Whitworth
El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas

Re: Case No. 2442
Order No. R-2131
Applicant:
El Paso Natural Gas Company

Dear Sir:

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

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ir/

Carbon copy of order also sent to:

Hobbs OCC x

Artesia OCC

Aztec OCC

OTHER Mr. Oliver Seth

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. 2442
Order No. R-2131

APPLICATION OF EL PASO NATURAL GAS
COMPANY FOR A DUAL COMPLETION, LEA
COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on November 29, 1961, at Santa Fe, New Mexico, before Daniel S. Nutter, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 13th day of December, 1961, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Nutter, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, El Paso Natural Gas Company, is the owner and operator of the Mescalero Ridge Unit Well No. 1, located in Unit D of Section 21, Township 19 South, Range 34 East, NMPM, Lea County, New Mexico.

(3) That the applicant proposes to complete the above-described Mescalero Ridge Unit Well No. 1 as a dual completion (conventional) in such a manner as to permit the production of oil from the Bone Springs formation through a string of 2 3/8-inch tubing and the production of gas from the Morrow formation through a parallel string of 2 1/16-inch tubing, separation of the zones to be with a packer.

(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 neither cause waste nor impair correlative rights.

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CASE No. 2442
Order No. R-2131

IT IS THEREFORE ORDERED:

(1) That the applicant, El Paso Natural Gas Company, is hereby authorized to complete its Mescalero Ridge Unit Well No. 1, located in Unit D of Section 21, Township 19 South, Range 34 East, NMPM, Lea County, New Mexico, as a dual completion (conventional) in such a manner as to permit the production of oil from the Bone Springs formation through a string of 2 3/8-inch tubing and the production of gas from the Morrow formation through a parallel string of 2 1/16-inch tubing, separation of the zones to be with a packer.

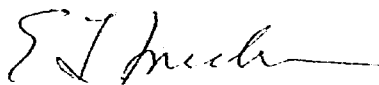
PROVIDED HOWEVER, That the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A of the Commission Rules and Regulations.

PROVIDED FURTHER HOWEVER, That the operator shall take packer-leakage tests upon completion and annually thereafter during the Annual Gas-Oil Ratio Test Period for the Bone Springs zone and at such other times as the Secretary-Director of the Commission may prescribe.

(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
OIL CONSERVATION COMMISSION



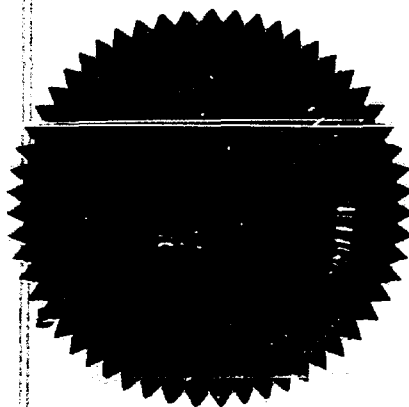
EDWIN L. MECHEM, Chairman



E. S. WALKER, Member



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



esr/

DOCKET: EXAMINER HEARING - WEDNESDAY - NOVEMBER 29, 1961

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

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

Cases listed on this docket after Case 2444 will not be heard before 1 P.M.

- CASE 2434: Application of Amerada Petroleum Corporation for a dual completion and a 150-acre non-standard gas proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its State DA Well No. 1 located in Unit L, Section 16, Township 21 South, Range 37 East, Lea County, New Mexico, as a dual completion (conventional) in the Eumont Gas Pool and the Drinkard Pool, with the production of oil from the Drinkard zone to be through a string of 2 3/8-inch tubing and the production of gas from the Eumont zone to be through the tubing-casing annulus. Applicant further seeks the establishment of a 160-acre non-standard gas proration unit in the Eumont Gas Pool, comprising the N/2 S/2 of said Section 16, said unit to be dedicated to said State DA Well No. 1.
- CASE 2435: Application of Cities Service Oil Company for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its Hodges "B" Well No. 3, located in Unit L of Section 1, Township 25 South, Range 37 East, Lea County, New Mexico, as a triple completion (conventional) in undesignated Blinebry and Drinkard pools and in the Fusselman formation adjacent to the North Justis-Fusselman pool, with the production of oil from the Blinebry and Drinkard zones to be through parallel strings of 2 1/16-inch tubing and the production of oil from the Fusselman zone to be through a parallel string of 2 3/8-inch tubing.
- CASE 2436: Application of Hudson & Hudson for two unorthodox oil well locations, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of two unorthodox oil well locations in the Maljamar Pool, one well to be located within 100 feet and not less than 25 feet of the Southeast corner of Unit J, Section 24, Township 17 South, Range 31 East, Eddy County, New Mexico, and one well to be located within 100 feet and not less than 25 feet of the Northwest corner of Unit O in said Section 24.

- CASE 2437: Application of J. C. Williamson for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its Westates-Federal Well No. 6, located in Unit D of Section 1, Township 25 South, Range 37 East, Lea County, New Mexico, as a dual completion (conventional) in the McKee and Ellenburger formations with the production of oil from both zones to be through parallel strings of 2 3/8-inch tubing.
- CASE 2438: Application of Texaco Inc. for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its V. M. Henderson Well No. 6, located in Unit C of Section 30, Township 21 South, Range 37 East, Lea County, New Mexico, as a triple completion in the Paddock, Blinebry Gas, and Drinkard Pools with the production of oil from the Drinkard formation to be through a tapered string of tubing of 2 1/16-inch and 1 1/4-inch diameter and from the Paddock formation to be through a parallel string of 2 1/16-inch tubing and the production of gas from the Blinebry formation to be through the tubing-casing annulus.
- CASE 2421: (Cont.)
Application of Texaco Inc. for approval of a unit agreement and for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Northeast Caprock (Queen) Unit Agreement, covering 1360 acres, more or less, in Township 12 South, Range 32 East, Caprock Queen Pool, Lea County, New Mexico. Applicant further seeks authority to institute a unit-wide waterflood by the injection of water into the Queen formation through 19 wells located within said unit.
- CASE 2439: Application of Sunray Mid-Continent Oil Company for a 67.04-acre non-standard oil proration unit and an unorthodox well location, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks the establishment of 67.04-acre non-standard oil proration unit in the Totah-Gallup Oil Pool, comprising Lots 2, 3 and 4 of Section 14, Township 29 North, Range 14 West, San Juan County, New Mexico, said unit to be dedicated to a well to be located at an unorthodox location 330 feet from the North line and 2510 feet from the West line of said Section 14.

CASE 2440: Application of Socony Mobil Oil Company for permission to transfer allowables, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks permission to shut-in the Boulder-Apache Well No. 12-14, located in Section 14, Township 28 North, Range 1 West, Boulder-Mancos Oil Pool, Rio Arriba County, New Mexico, and transfer its allowable to the Boulder-Apache Well No. 23-14 located in said Section 14 for the purpose of conducting interference tests.

CASE 2441: Application of Water Flood Associated, Inc., for a waterflood project in the Maljamar and Robinson Pools, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to institute a waterflood project in the Maljamar and Robinson Pools in portions of Sections 5, 6 and 7, all in Township 17 South, Range 32 East, Lea County, New Mexico.

CASE 2442: Application of El Paso Natural Gas Company for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its Mescalero Ridge Unit Well No. 1, located in Unit D of Section 21, Township 19 South, Range 34 East, Lea County, New Mexico, as a dual completion (conventional) in the Bone Springs and Morrow formations, with the production of oil from the Bone Springs zone to be through a string of 2 3/8-inch tubing and the production of gas from the Morrow zone to be through a parallel string of 2 1/16-inch tubing.

CASE 2443: Application of Gulf Oil Corporation for an 80-acre non-standard gas proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the establishment of an 80-acre non-standard gas proration unit in the Eumont Gas Pool, comprising the E/2 NE/4 of Section 34, Township 19 South, Range 36 East, Lea County, New Mexico, said unit to be dedicated to the J. W. Smith Well No. 2, located 660 feet from the North and East lines of said Section 34.

The following cases will not be heard before 1 P.M.

CASE 2444: Application of Aztec Oil & Gas Company for an exception to Rule 309-A, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Rule 309-A to permit the Totah-Gallup oil production from three wells on

applicant's Hagood Federal Lease, located in Section 19, Township 29 North, Range 13 West, San Juan County, New Mexico, to be transported prior to measurement on said lease to applicant's Smith "C" Lease, located in Section 18, Township 29 North, Range 13 West.

CASE 2445: Application of Southwest Production Company for an order extending the Flora Vista-Mesaverde Pool, San Juan County, New Mexico, and establishing special rules and regulations in said pool. Applicant, in the above-styled cause, seeks an order extending the Flora Vista-Mesaverde Pool to include Sections 22, 23, 26 and 27, all in Township 30 North, Range 12 West, San Juan County, New Mexico, and establishing special rules and regulations including a provision for 320-acre spacing units in said pool.

CASE 2446: Application of Southwest Production Company for an order pooling all mineral interests in the Basin-Dakota Gas Pool in the E/2 of Section 22, Township 30 North, Range 12 West, San Juan County, New Mexico. Interested parties include Roy Rector and O. G. Shelby, both of Flora Vista, New Mexico, and Myron T. Dale, address unknown.

CASE 2416: (Cont.)
Application of Southwest Production Company for an order pooling all mineral interests in an undesignated Mesaverde gas pool in the E/2 of Section 22, Township 30 North, Range 12 West, San Juan County, New Mexico.

CASE 2447: Application of Humble Oil & Refining Company for approval of a pressure maintenance project in the Cha Cha-Gallup Oil Pool, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks permission to institute a pressure maintenance project in the Cha Cha-Gallup Oil Pool by the injection of water into certain wells located on the Navajo Indian Reservation in Sections 13 through 29 and 33 through 36, Township 29 North, Range 14 West, San Juan County, New Mexico. Applicant further seeks the promulgation of special rules and regulations governing said project.

CASE 2448: Application of Pan American Petroleum Corporation for a pressure maintenance project, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks permission to institute a pressure maintenance project on its C. J. Holder,

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Docket No. 32-61

State Holder Oil Unit, State "CA", State Oil Unit and Gallegos Canyon Unit Leases, San Juan County, New Mexico, in the Cha Cha-Gallup Oil Pool with water injection initially to be through five wells located in Sections 8 and 16, Township 28 North, Range 13 West, and Section 23, Township 28 North, Range 12 West, and requests adoption of special rules to govern the operation of said project.

CASE 2449:

Application of Pan American Petroleum Corporation for a pressure maintenance project, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks permission to institute a pressure maintenance project on its Navajo Tribal "II" and Gallegos Canyon Unit Leases, San Juan County, New Mexico, in the Totah-Gallup Oil Pool with water injection initially to be through five wells located in Section 35, Township 29 North, Range 13 West, Section 12, Township 28 North, Range 13 West, and Sections 13 and 24, Township 29 North, Range 14 West, and requests adoption of special rules to govern the operation of said project.

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

APPLICATION FOR DUAL COMPLETION

Case 2446

Field Name Wildcat		County Lea		Date November 3, 1961
Operator El Paso Natural Gas Company		Lease Mescalero Ridge Unit		Well No. 1
Location of Well	Unit D	Section 21	Township 19 South	Range 34 East

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	Bone Springs	Morrow
b. Top and Bottom of Pay Section (Perforations)	10118-10134	13328-13340
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.

Gulf Oil Corporation

Post Office Box 1150

Midland, Texas

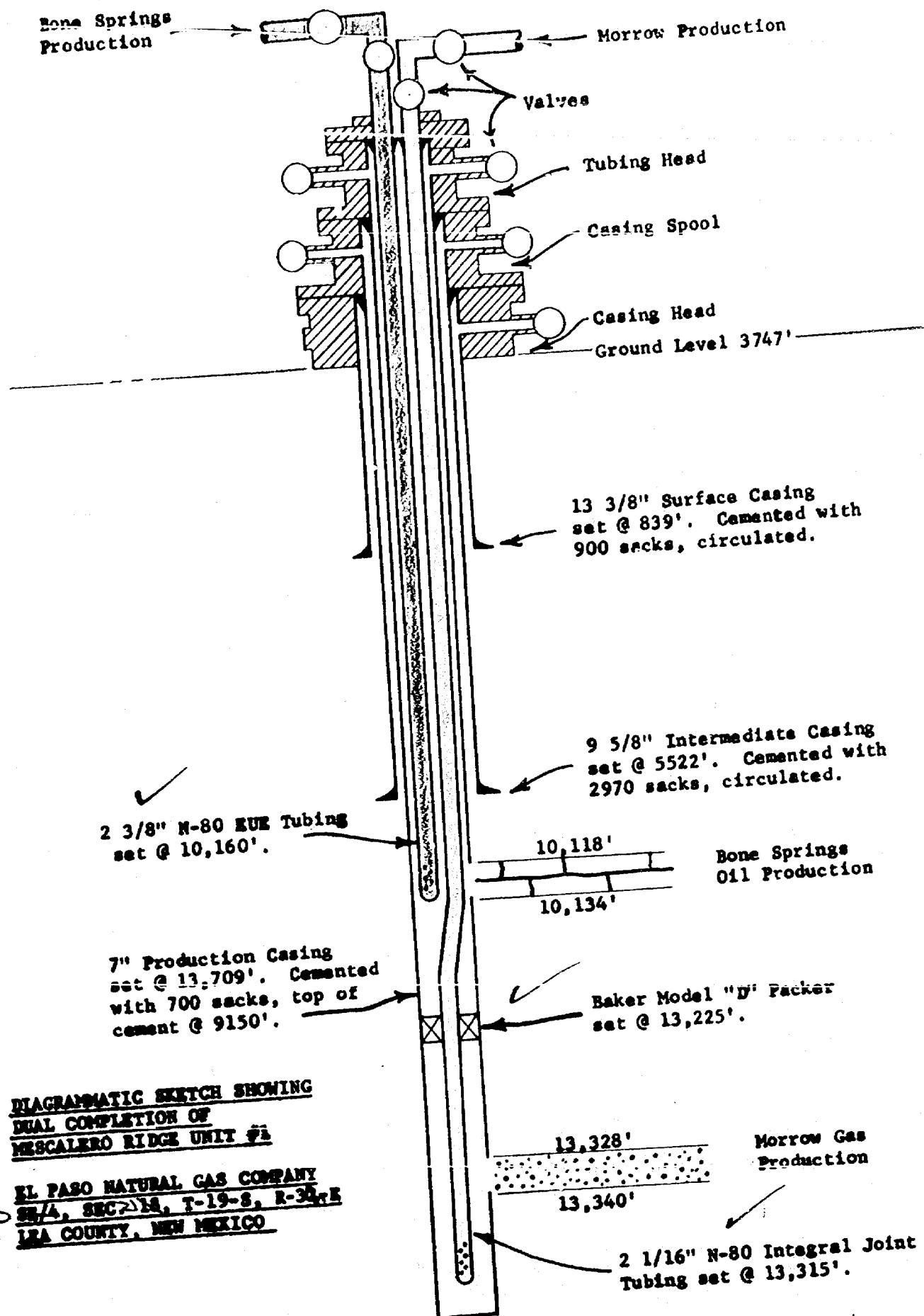
6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES _____ NO X . If answer is yes, give date of such notification _____ .

CERTIFICATE: I, the undersigned, state that I am the **Proration Engineer** of the **El Paso Natural Gas Company** (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.

Gerald A. Gibson
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.

CASE 2442



DIAGRAMMATIC SKETCH SHOWING
DUAL COMPLETION OF
MESCALERO RIDGE UNIT #1

EL PASO NATURAL GAS COMPANY
D 32/4, SEC 21, T-19-S, R-34, E
LEA COUNTY, NEW MEXICO

[illegible]

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

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

J. O. SETH
COUNSEL
POST OFFICE BOX 828
TELEPHONE YU 3-7315

November 29, 1961

New Mexico Oil Conservation Commission
State Land Office Building
Santa Fe, New Mexico

Re: Case No. (2442) - Application of El
Paso Natural Gas Co. for Dual
Completion, Lea County, N. M.

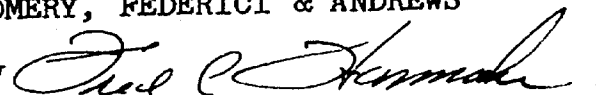
Gentlemen:

We hereby enter our appearance in the above case on be-
half of the applicant and will have associated with us
Mr. Garrett Whitworth and other attorneys of the applicant.

Very truly yours,

SETH, MONTGOMERY, FEDERICI & ANDREWS

By



OS:wcl

CASE 2142

El Paso Natural Gas Company

El Paso, Texas

November 3, 1961

New Mexico Oil Conservation Commission
Post Office Box 871
Santa Fe, New Mexico

Attention: Mr. A. L. Porter, Jr.

Gentlemen:

Attached is an application for a dual completion of the El Paso Natural Gas Company's Mescalero Ridge Unit #1, located in Unit D, Section 21, Township 19 South, Range 34 East. This well is completed an an oil and gas dual in the Bone Springs and Morrow formations. It is requested that this application be set for hearing as soon as possible.

If any additional information is needed, please call me.

Very truly yours,

PRORATION DEPARTMENT

G. A. Hickson

G. A. Hickson
Engineer

GAH:mm
attachment (3)

*Packet
Mailed
11/16/61
JL*

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

November 29, 1961

EXAMINER HEARING

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

IN THE MATTER OF:

Application of El Paso Natural Gas Company
for a dual completion, Lea County, New
Mexico. Applicant, in the above-styled
cause, seeks permission to complete its
Mescalero Ridge Unit Well Number 1 located
in Unit D of Section 21, Township 19 South,
Range 34 East, Lea County, New Mexico, as a
dual completion (conventional) in the Bone
Springs and Morrow formations, with the
production of oil from the Bone Springs zone
to be through a string of 2 3/8-inch tubing
and the production of gas from the Morrow
zone to be through a parallel string of
2 1/16-inch tubing.

CASE NO.
2442

BEFORE: Daniel S. Nutter, Examiner

TRANSCRIPT OF HEARING

EXAMINER NUTTER: We will call Case No. 2442.

MR. WHITFIELD: Application of El Paso Natural Gas Com-
pany for a dual completion, Lea County, New Mexico.

MR. WHITWORTH: Garrett Whitworth, El Paso, Texas,
representing the Applicant. We have one witness, Mr. Gerald A.
Hickson.

GERALD A. HICKSON,

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



examined and testified as follows:

DIRECT EXAMINATION

BY MR. WHITWORTH:

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

A Gerald A. Hickson, proration engineer for El Paso Natural Gas Company.

Q You have previously testified before this Commission as an expert witness?

A Yes, sir, I have.

Q Your qualifications are a matter of record?

A Yes, sir, they are.

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

EXAMINER NUTTER: Yes, sir, please proceed.

Q (by Mr. Whitworth) You are familiar with El Paso Natural Gas Company's application in this case. Would you please explain to the Examiner what El Paso is seeking?

A We are seeking permission to complete, dually complete a well in the Mescalero Ridge unit with the Bone Springs and Morrow gas.

Q Do you have an exhibit showing exactly where this well is located?

A Yes.

(Applicant's Exhibit 1 marked.)

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

ALBUQUERQUE, N. M.
PHONE 243-6691



Q This is El Paso Natural Gas Company's Exhibit No. 1?

A Yes, sir.

Q Where is it located?

A The well is located in the Northwest of the Northwest of Section 21, Township 19 South, Range 34 East.

Q Who are the offset operators?

A There is one, Gulf Oil Corporation, to the north.

Q Is this well a wildcat?

A Yes, sir. It goes in both zones.

Q Do you have an exhibit, Mr. Hickson, showing the physical equipment that is installed in the well?

A Yes, sir.

Q Is that El Paso's Exhibit No. 2?

A Yes, sir.

(Applicant's Exhibit No. 2 marked.)

Q (by Mr. Whitworth) Will you please explain what this exhibit shows?

A This is a diagrammatic sketch showing the casing string, production string, size, and depth at which they're set, the sacks of cement and position of the packer which is a Baker Model D packer set at 250 feet, and the producing zones. The Bone Springs oil was completed at 10,118 to 10,134 and Morrow gas zones, 13,328 to 13,340.

Q I notice that a Baker Model D packer was installed.



DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

ALBUQUERQUE, N. M.
PHONE 243-6691

Is this a permanent type production packer?

A Yes, sir.

Q Was a packer leakage test taken?

A Yes, sir, the date the well was completed.

Q What did that reveal?

A It was filed with the Commission in Hobbs and revealed, it showed no communication between the two zones.

Q Do you have any pressure data with respect to both these zones?

A Yes, sir. Shut-in pressure of the Morrow, shut-in bottomhole pressure was 6631 pounds initially as against 4308 pounds for the Bone Springs. Gravity of the Bone Springs was 31 degrees. Gravity in the Morrow is 56.5. GOR of the Morrow is 33,181 cubic feet per barrel of condensate and the GOR of the Bone Springs was 677 cubic feet per barrel of oil produced.

Q Do you have any well log data?

A Yes, sir.

(Applicant's Exhibit No. 3 marked.)

Q Showing you El Paso's Exhibit No. 3, would you explain what that shows?

A Exhibit No. 3 is an electric log of the Mescalero Ridge Unit No. 1 showing the top of the Bone Springs perforated interval, position of the packer, and the top of the Morrow and the perforated interval in the Morrow.



DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325.1182

ALBUQUERQUE, N. M.
PHONE 243.6601

Q Do you have anything else you'd like to add to your testimony?

A No, sir.

Q Were El Paso's Exhibits 1, 2, and 3 prepared by you or under your supervision?

A Yes, sir.

MR. WHITWORTH: We ask that El Paso's Exhibits 1, 2, and 3 be admitted in evidence.

EXAMINER NUTTER: They will be admitted in evidence.

MR. WHITWORTH: That's all we have.

CROSS EXAMINATION

BY EXAMINER NUTTER:

Q Mr. Hickson, what is the top of the Bone Springs?

A 8056 feet. It's pretty high.

Q What are the potentials for these two zones, Mr. Hickson?

A The potential for the Morrow formation is 1300 MCF per day based on a test which is filed in the District Office, and the potential of the Bone Springs oil formation is 993 barrels oil with 4.92 barrels water per day.

EXAMINER NUTTER: Are there any further questions of Mr. Hickson?

He may be excused.

(Witness excused.)

EXAMINER NUTTER: Does anyone have anything they wish



to offer in Case No. 2442?

We will take the case under advisement and recess until
1:35.

* * *

STATE OF NEW MEXICO)
COUNTY OF SAN JUAN) ss.

I, THOMAS F. HORNE, NOTARY PUBLIC in and for the
County of San Juan, State of New Mexico, do hereby certify
that the foregoing and attached transcript of hearing was
reported by me in stenotype and that the same was reduced to
typewritten transcript under my personal supervision and con-
tains a true and correct record of said proceedings, to the
best of my knowledge, skill and ability.

Thomas F. Horne
NOTARY PUBLIC

My Commission Expires:
October 2, 1965

I do hereby certify that the foregoing is
a complete record of the proceedings in
the Examiner hearing of Case No. 2442
heard by me on 11/29, 1965.

Sumner, Examiner
New Mexico Oil Conservation Commission

DEARNLEY-MEIER REPORTING SERVICE, Inc.
FARMINGTON, N. M.
PHONE 325-1192
ALBUQUERQUE, N. M.
PHONE 243-6691



[illegible]

Bone Springs
Production

Morrow Production

Valves

Tubing Head

Casing Spool

Casing Head

Ground Level 3747'

13 3/8" Surface Casing
set @ 839'. Cemented with
900 sacks, circulated.

9 5/8" Intermediate Casing
set @ 5522'. Cemented with
2970 sacks, circulated.

2 3/8" N-80 EUE Tubing
set @ 10,160'.

10,118' ✓

10,134' ✓

Bone Springs
Oil Production

7" Production Casing
set @ 13,709'. Cemented
with 700 sacks, top of
cement @ 9150' ✓

Baker Model "D" Packer
set @ 13,225' ✓

DIAGRAMMATIC SKETCH SHOWING
DUAL COMPLETION OF
MESCALERO RIDGE UNIT #1

EL PASO NATURAL GAS COMPANY
NW/4 NW/4 SEC. 21
T-19-S, R-34-E
LEA COUNTY, NEW MEXICO

1300 MCF
4-point

13,328' ✓

13,340' ✓

Morrow Gas
Production

2 1/16" N-80 Integral Joint
Tubing set @ 13,315'.

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EPNGC EXHIBIT NO. 2
CASE NO. 2442

BHP
4308

39°

GOR 677/1

SI
BHP 6631

56.5°

GOR 33,181/1