

CASE 7007: HARVEY E. YATES COMPANY FOR  
DOWNHOLE COMMINGLING, EDDY COUNTY, NEW  
MEXICO

Cont to  
Det 1

CASE NO.

7007

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APPLICATION,  
TRANSCRIPTS,  
SMALL EXHIBITS,

ETC.

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION  
STATE LAND OFFICE BLDG.  
SANTA FE, NEW MEXICO  
1 October 1980

EXAMINER HEARING

-----  
IN THE MATTER OF: )  
 )  
 )

Application of Harvey E. Yates Com- )  
pany for downhole commingling, Eddy )  
County, New Mexico. )

CASE  
7007

-----  
BEFORE: Daniel S. Nutter

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Oil Conservation  
Division:

Ernest L. Padilla, Esq.  
Legal Counsel to the Division  
State Land Office Bldg.  
Santa Fe, New Mexico 87501

For the Applicant:

Robert Strand, Esq.  
HEYCO  
Roswell, New Mexico

SALLY W. BOYD, C.S.R.

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I N D E X

N. RAYMOND LAMB

Direct Examination by Mr. Strand	3
Cross Examination by Mr. Nutter	8

E X H I B I T S

Applicant Exhibit One, Plat	5
Applicant Exhibit Two, Log	5

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MR. NUTTER: We'll call next Case Number

7007.

MR. PADILLA: Application of Harvey E.

Yates Company for downhole commingling, Eddy County, New Mexico.

MR. STRAND: Mr. Examiner, Robert H.

Strand, attorney from Roswell, appearing for the applicant, Harvey E. Yates Company, and I have one witness who needs to be sworn.

(Witness sworn.)

N. RAYMOND LAMB

being called as a witness and having been duly sworn upon his oath, testified as follows, to-wit:

DIRECT EXAMINATION

BY MR. STRAND:

Q

State your full name for the record.

A.

N. Raymond Lamb.

Q

Mr. Lamb, where do you reside and what is

your occupation?

A.

I'm a consulting geologist and engineer,

and I live in Artesia, New Mexico.

Q

Have you been retained by the applicant,

SALLY W. BOYD, C.S.R.

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Phone (505) 455-7409

1 Harvey E. Yates Company, to present testimony in Case Number  
2 7007?

3 A. I have.

4 Q. Mr. Lamb, have you testified before the  
5 Division in the past?

6 A. Yes.

7 Q. And are your qualifications as an expert  
8 witness a matter of record before the Division?

9 A. Correct.

10 MR. STRAND: Mr. Examiner, is Mr. Lamb  
11 considered qualified?

12 MR. NUTTER: Yes, he is.

13 Q. Mr. Lamb, are you familiar with the appli-  
14 cation of Harvey E. Yates Company in Case Number 7007?

15 A. Yes.

16 Q. Would you please state the purpose of the  
17 application?

18 A. The purpose of the application is to  
19 commingle gas production from Morrow production, which would  
20 be Lower Morrow, with the Atoka formation.

21 Q. And in what well is that commingling pro-  
22 posed?

23 A. That is the No. 12.

24 Q. That is the Travis 12?

25 A. Travis 12.

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1 Q Deep No. 1?

2 A Deep No. 1.

3 Q Would you state for the record the loca-  
4 tion of that well?

5 A The well is located on Exhibit Number One,  
6 indicated in red. It would be in the southwest of the south-  
7 east quarter of Section 12, 18, 28.

8 Q And for the record, Exhibit Number One is  
9 a land plat showing the location of that well, is that correct?

10 A Correct.

11 Q Mr. Lamb, referring to Exhibit Number Two,  
12 would you please describe that exhibit?

13 A Exhibit Two is a copy of the Dresser-Atlas  
14 dualateral micro log on the subject well, and was run July  
15 the 8th, 1980.

16 Q Does that log show the perforations at the  
17 present time in the Morrow and the proposed zone to be per-  
18 forated in the Atoka?

19 A Yes. There are two zones perforated, as  
20 indicated on the plat, below 10,900 feet in the Lower Morrow,  
21 and that well has been treated and is ready to be connected  
22 to the pipeline.

23 Q Mr. Lamb, with reference to the Morrow  
24 zone, can you give us any idea of what the productive capa-  
25 bility of that zone is?

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1 A The shut-in tubing pressure on the well  
2 is recorded at 2800 pounds. The flowing tubing pressure is  
3 100 pounds. Deliverability is indicated to be 1,637,000  
4 cubic feet a day.

5 Q Do we have any pressure information rela-  
6 tive to the Atoka formation which we propose to perforate?

7 A No. There were a number of attempts to  
8 obtain pressure by drill stem tests but in each case they were  
9 failures because of the loss of packer seat, so there are  
10 not any records on this individual well as to the pressures.

11 Q Are there any other wells near enough to  
12 the Travis 12 Deep No. 1 that have been tested or completed  
13 in the Atoka which you feel would be relevant?

14 A No.

15 Q Mr. Lamb, based on your experience in the  
16 area in which this well is located, do you feel there would  
17 be any communication problems between the Morrow zone and the  
18 Atoka zone?

19 A No, there would be no communication.

20 Q Do you feel the pressures would be basi-  
21 cally the same?

22 A Relatively the same for those two zones.

23 Q Mr. Lamb, what completion procedure would  
24 the applicant utilize in testing and completing the Atoka?

25 A The bridge plug would be set between the

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1 two zones. The Atoka zone, then, would be perforated from  
2 10,496 to 10,510 and tested. It's indicated that this parti-  
3 cular part of the Atoka will be above water level. The main  
4 porous zone in the Atoka is indicated to be wet; therefor,  
5 it's anticipated that the production in the Atoka will be  
6 marginal.

7 Q Mr. Lamb, with setting the bridge plug  
8 between the two zones and testing the Atoka in the manner  
9 you've indicated, the applicant would then be in a position,  
10 if we encountered unusual pressures in the Atoka, to take ap-  
11 propriate steps and not commingle the gas?

12 A Correct.

13 Q In your opinion would approval of this  
14 application promote conservation and protect correlative  
15 rights and prevent waste?

16 A Yes.

17 Q Mr. Lamb, were Exhibits One and Two pre-  
18 pared under your supervision or to your knowledge did they  
19 come from the files of the applicant?

20 A Yes.

21 MR. STRAND: Mr. Examiner, I move that  
22 Exhibits One and Two be admitted.

23 MR. NUTTER: Applicant's Exhibits One and  
24 Two will be admitted in evidence.

25 MR. STRAND: I have nothing further at this

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CROSS EXAMINATION

4

BY MR. NUTTER:

5

Q Mr. Lamb, as I understood the question  
6 from Mr. Strand, you would set the bridge plug separating  
7 the Morrow formation from the Atoka prior to perforating the  
8 Atoka.

9

A Correct.

10

Q And then in the event you got a barnburner  
11 in the Atoka with high pressures and high deliverability,  
12 you'd just leave that bridge plug there so you could produce  
13 the Atoka and isolate the Morrow until later?

14

A That is correct.

15

Q Okay. And then if you had a marginal  
16 well, they would be -- you'd pull the bridge plug and com-  
17 mingle the well?

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A And put them on production together.

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Q And determine at that time what the allo-  
20 cation should be to the respective formations.

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A Right.

22

MR. NUTTER: Are there further questions  
23 of Mr. Lamb? He may be excused.

24

Do you have anything further, Mr. Strand?

25

MR. STRAND: No, Mr. Examiner.

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MR. NUTTER: Does anyone have anything they wish to offer in Case Number 7007?

We'll take the case under advisement.

(Hearing concluded.)

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C E R T I F I C A T E

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that the foregoing Transcript of Hearing before the Oil Conservation Division was reported by me; that the said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability.

Sally W. Boyd C.S.R.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 7007, heard by me on 10/1 1980.

[Signature], Examiner  
Oil Conservation Division

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STATE OF NEW MEXICO  
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STATE LAND OFFICE BLDG.  
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EXAMINER HEARING

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14 application promote conservation and protect correlative  
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21 MR. STRAND: Mr. Examiner, I move that  
22 Exhibits One and Two be admitted.

23 MR. NUTTER: Applicant's Exhibits One and  
24 Two will be admitted in evidence.

25 MR. STRAND: I have nothing further at this

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CROSS EXAMINATION

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BY MR. NUTTER:

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cation should be to the respective formations.

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Do you have anything further, Mr. Strand?

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MR. STRAND: No, Mr Examiner.

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MR. NUTTER: Does anyone have anything  
they wish to offer in Case Number 1007?

We'll take the case under advisement.

(Hearing concluded.)

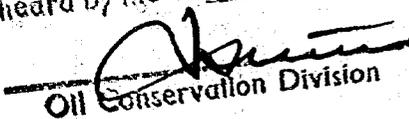
**SALLY W. BOYD, C.S.R.**

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C E R T I F I C A T E

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that the foregoing Transcript of Hearing before the Oil Conservation Division was reported by me; that the said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 7007 heard by me on 10/11 1980.

 Examiner  
Oil Conservation Division

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STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
DIVISION FOR THE PURPOSE OF  
CONSIDERING:

CASE NO. 7007  
Order No. R-6486

APPLICATION OF HARVEY E. YATES COMPANY  
FOR DOWNHOLE COMMINGLING, EDDY COUNTY,  
NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on October 1, 1980,  
at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 20th day of October, 1980, the Division  
Director, having considered the testimony, the record, and the  
recommendations of the Examiner, and being fully advised in the  
premises,

FINDS:

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

(2) That the applicant, Harvey E. Yates Company, is the  
owner and operator of the North Travis 12 Deep Well No. 1,  
located in Unit 0 of Section 12, Township 18 South, Range 28  
East, NNPM, Eddy County, New Mexico.

(3) That the applicant seeks authority to commingle Morrow  
and Atoka production within the wellbore of the above-described  
well.

(4) That from the Morrow zone, the subject well is capable  
of low marginal production only.

(5) That from the Atoka zone, the subject well is expected  
to be capable of low marginal production only.

-2-

Case No. 7007  
Order No. R-6486

(6) That the proposed commingling may result in the recovery of additional hydrocarbons from each of the subject pools, thereby preventing waste, and will not violate correlative rights.

(7) That the reservoir characteristics of each of the subject zones are such that underground waste would not be caused by the proposed commingling provided that the well is not shut-in for an extended period.

(8) That to afford the Division the opportunity to assess the potential for waste and to expeditiously order appropriate remedial action, the operator should notify the Artesia district office of the Division any time the subject well is shut-in for 7 consecutive days.

(9) That in order to allocate the commingled production to each of the commingled zones in the well, applicant should consult with the supervisor of the Artesia district office of the Division and determine an allocation formula for each of the production zones.

(10) That the Division Director should be authorized to rescind this commingling authority in the event substantial production and pressures are encountered in the Atoka formation.

IT IS THEREFORE ORDERED:

(1) That the applicant, Harvey E. Yates Company, is hereby authorized to commingle Morrow and Atoka production within the wellbore of the North Travis 12 Deep Well No. 1, located in Unit 0 of Section 12, Township 18 South, Range 28 East, NMPM, Eddy County, New Mexico.

(2) That the applicant shall consult with the Supervisor of the Artesia district office of the Division and determine an allocation formula for the allocation of production to each zone in the subject well.

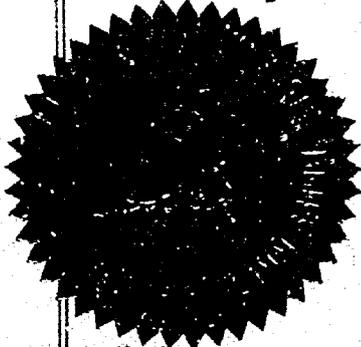
(3) That the operator of the subject well shall immediately notify the Division's Artesia district office any time the well has been shut-in for 7 consecutive days and shall concurrently present, to the Division, a plan for remedial action.

(4) That the Division Director is authorized to rescind this commingling authority in the event substantial production and pressures are encountered in the Atoka formation.

-3-  
Case No. 7007  
Order No. R-6486

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

DONE at Santa Fe, New Mexico, on the day and year herein-  
above designated.

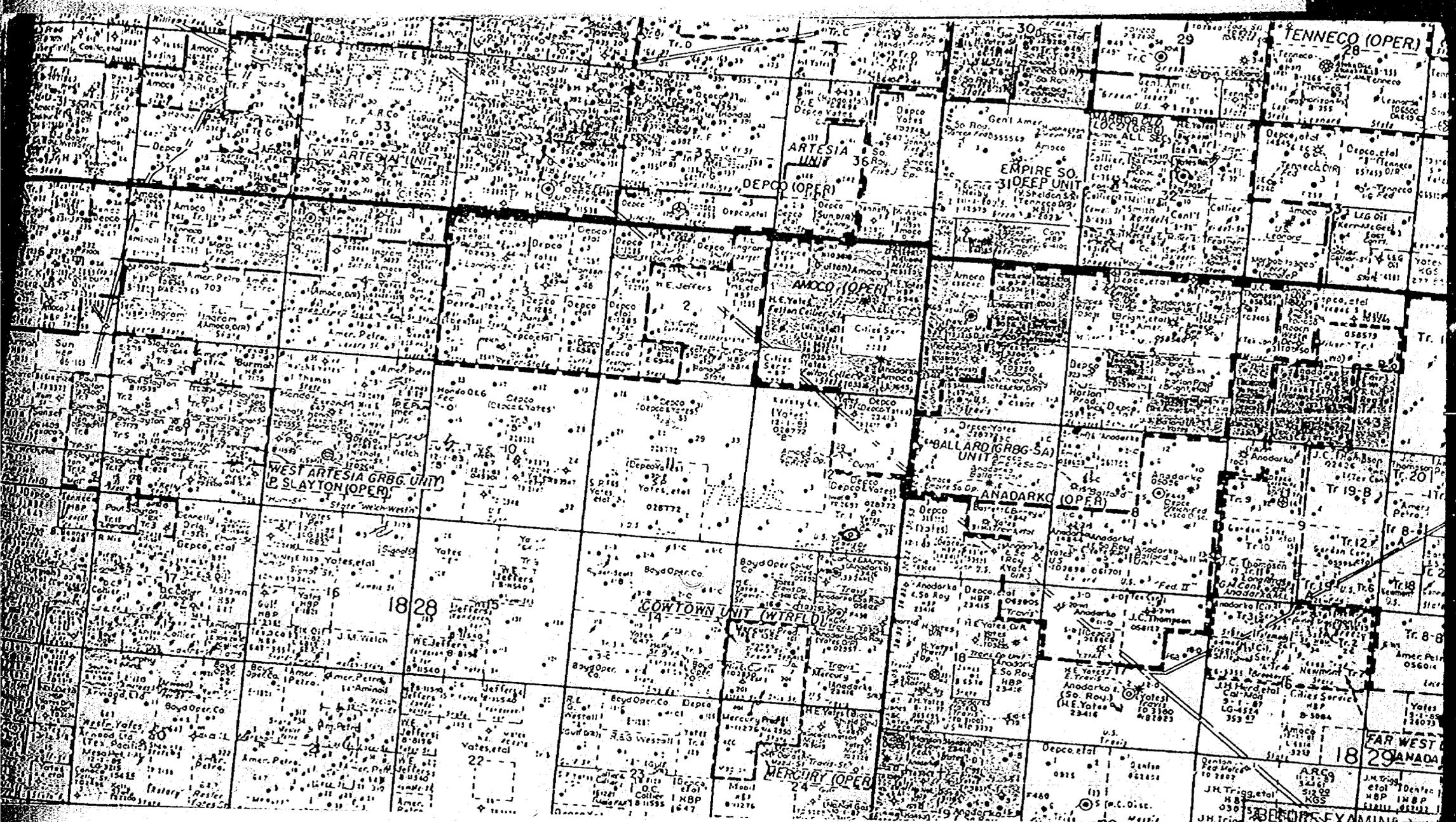


SEAL

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

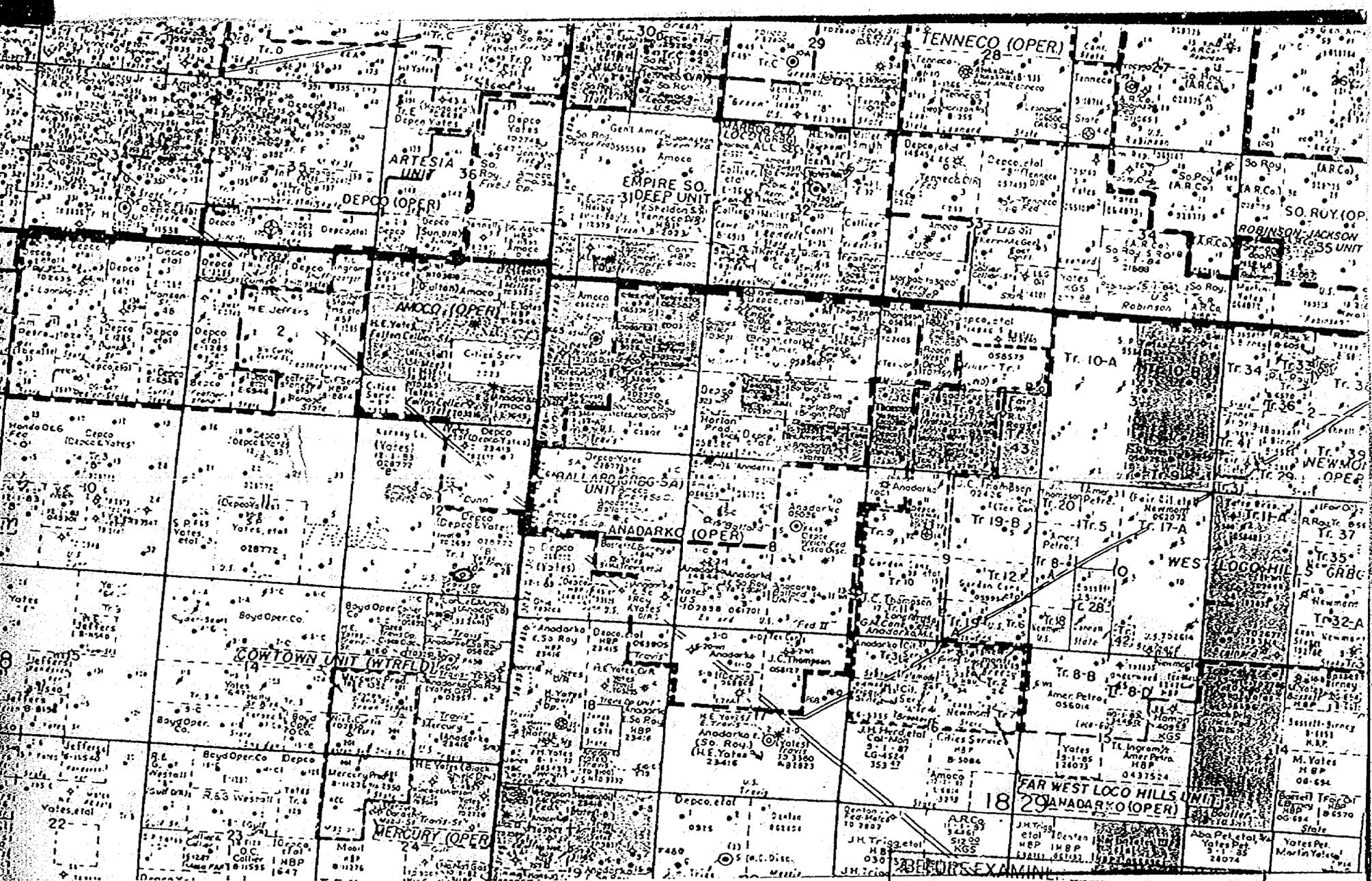
*Joe D. Ramey*  
JOE D. RAMEY  
Director

fd/



NORTH TRAVIS 12 DEEP #1  
 660' FSL and 1650' FEL  
 Section 12  
 Township 18 South, Range 28 East  
 Eddy County, New Mexico

OIL CONSERVATION DISTRICT  
 EXHIBIT  
 CASE NO. 700  
 SUBMITTED BY App  
 HEARING DATE 10/



BEFORE EXAMINE

OIL CONSERVATION DIVISION

EXHIBIT NO. 1

CASE NO. 7007

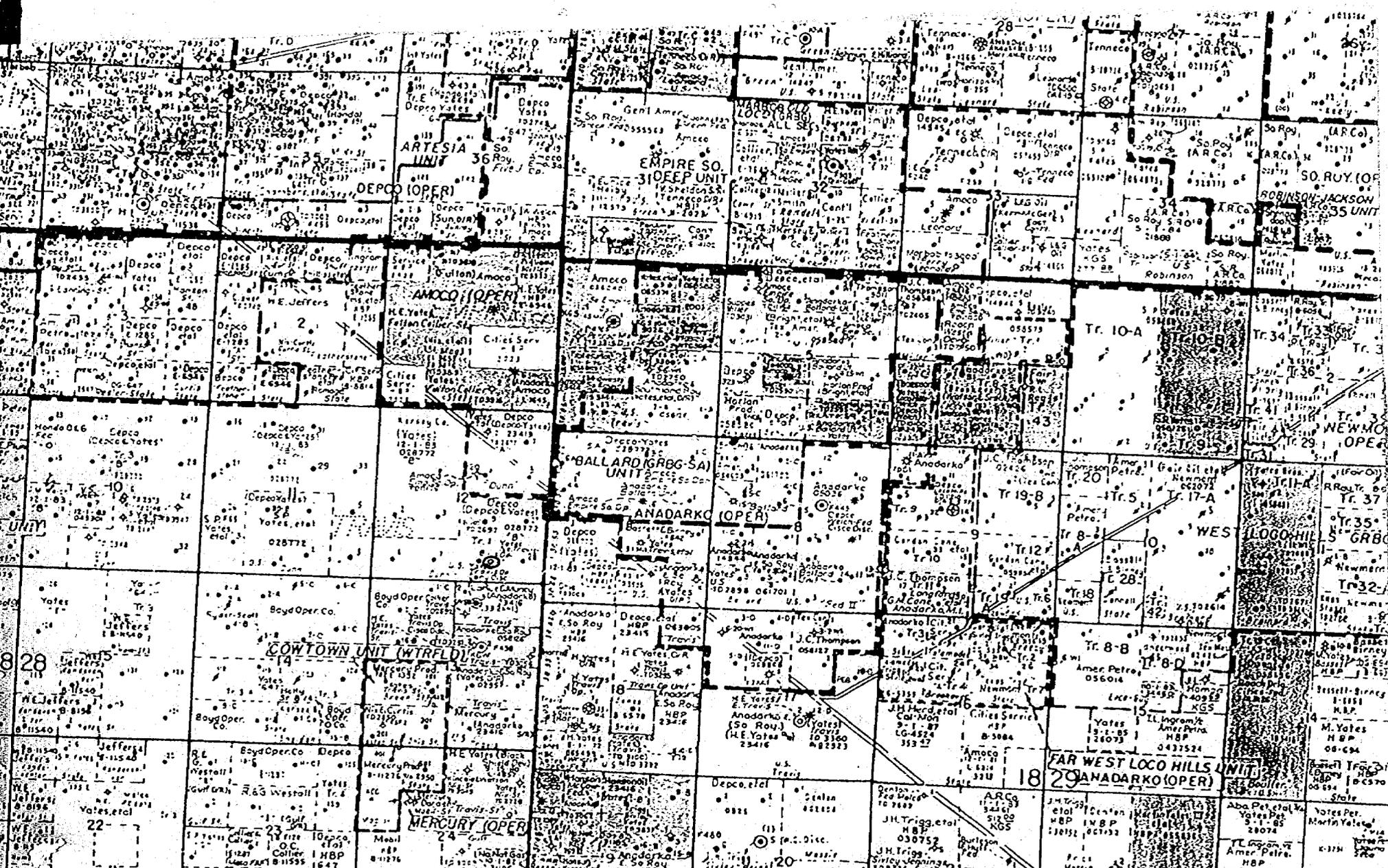
SUBMITTED BY Applicant

HEARING DATE 10/1/80



○ NORTH TRAVIS 12 DEEP #1  
 660' FSL and 1650' FEL  
 Section 12  
 Township 18 South, Range 28 East  
 Eddy County, New Mexico

BEFORE EXAMINER  
 OIL CONSERVATION DIVISION  
 EXHIBIT NO. \_\_\_\_\_  
 CASE NO. 7007  
 SUBMITTED BY Apply  
 HEARING DATE 10/11



BEFORE EXAMINER \_\_\_\_\_

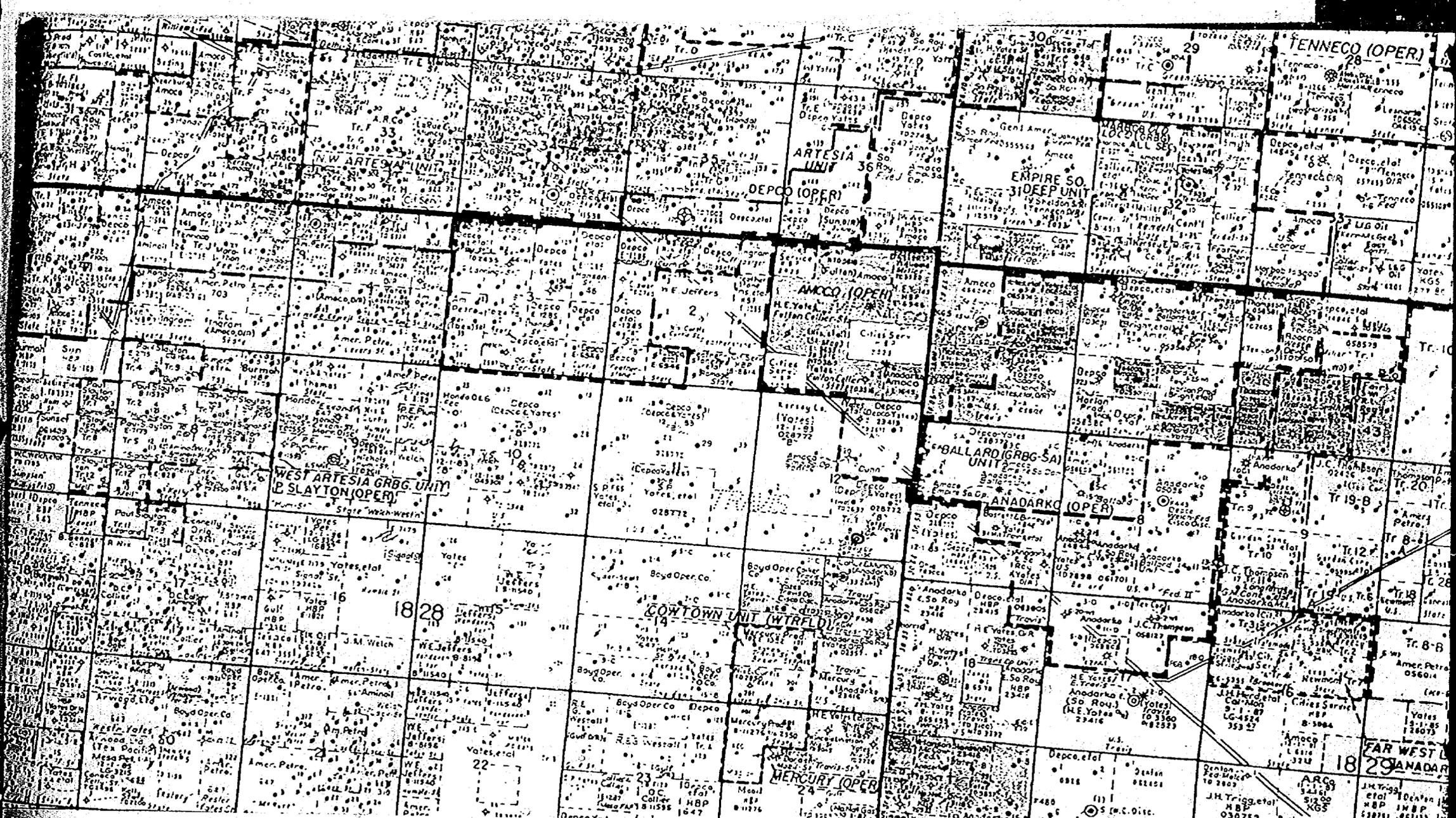
OIL CONSERVATION DIVISION

EXHIBIT NO. 1

CASE NO. 7007

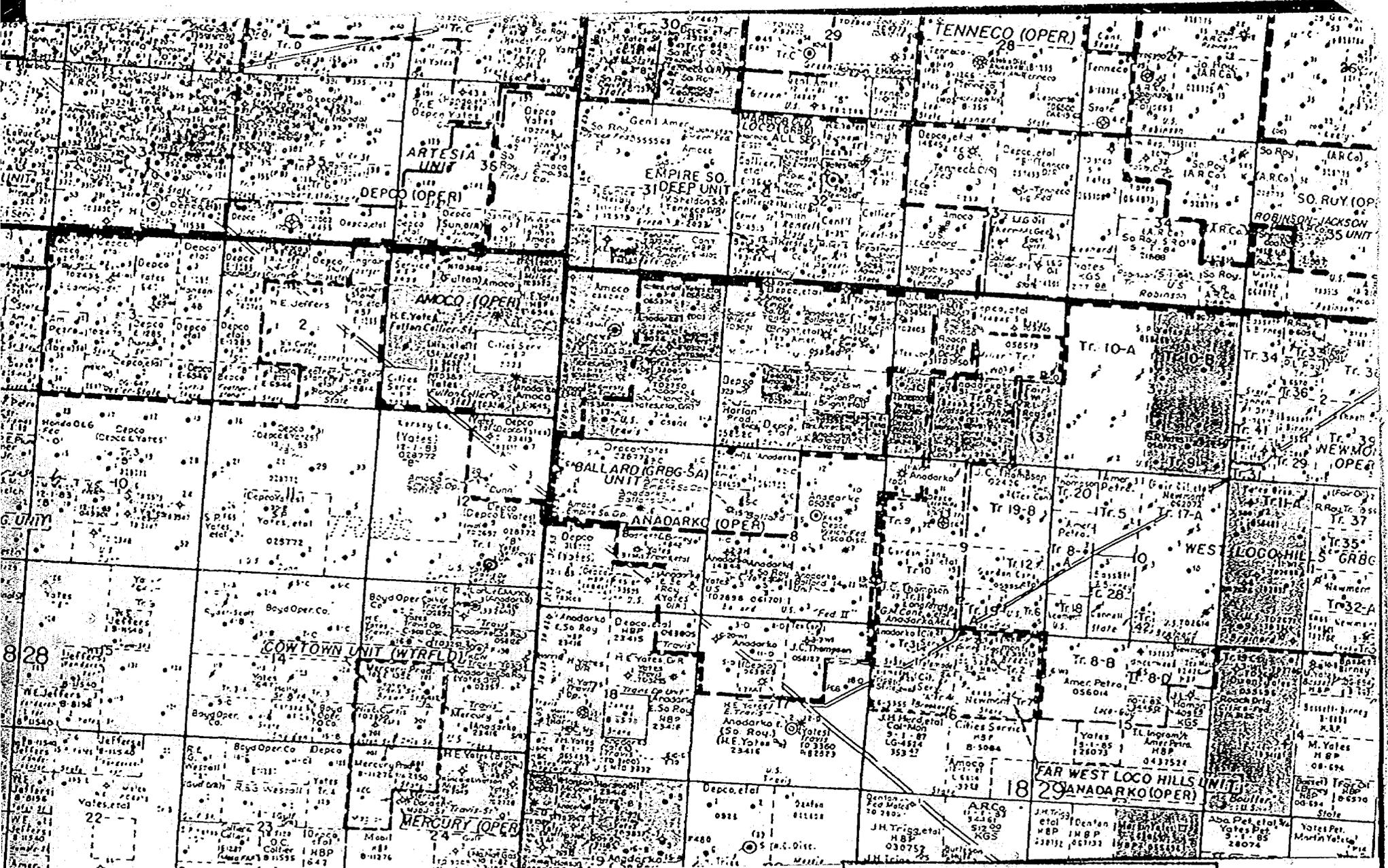
SUBMITTED BY Applicant

HEARING DATE 10/1/80



○ NORTH TRAVIS 12 DEEP #1  
 660' FSL and 1650' FEL  
 Section 12  
 Township 18 South, Range 28 East  
 Eddy County, New Mexico

BEFORE EXAMINER \_\_\_\_\_  
 OIL CONSERVATION DIVISION  
 EXHIBIT NO. \_\_\_\_\_  
 CASE NO. 7007  
 SUBMITTED BY Applicant  
 HEARING DATE 12/1/50



BEFORE EXAMINER \_\_\_\_\_

OIL CONSERVATION DIVISION

EXHIBIT NO. 1

CASE NO. 7007

SUBMITTED BY Applicant

HEARING DATE 10/1/80

Dockets Nos. 31-80 and 32-80 are tentatively set for October 15 and 29, 1980. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - OCTOBER 1, 1980

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

The following cases will be heard before Daniel S. Nutter, Examiner, or Richard L. Stamets, Alternate Examiner:

- CASE 7029: In the matter of the hearing called by the Oil Conservation Division on its own motion to consider amendments to its special rules and procedures for the designation of "tight formation", promulgated by Division Order No. R-6388, to comply with FERC Order No. 99, issued August 15, 1980, promulgating final regulations with respect to Section 107 of the NGPA.
- CASE 7030: In the matter of the hearing called by the Oil Conservation Division on its own motion to consider amendments to its SPECIAL RULES FOR APPLICATIONS FOR WELLHEAD PRICE CEILING CATEGORY DETERMINATIONS as promulgated by Division Order No. R-5878, as amended. The proposed amendments relate to individual well filings for price category determination as "tight formation" gas under Section 107 of the NGPA.
- CASE 7031: Application of Coronado Exploration Corp. for a unit agreement, Guadalupe County, New Mexico. Applicant, in the above-styled cause, seeks approval for the Mesa Leon Unit Area, comprising 15,680 acres, more or less, of State, Federal, and fee lands in Township 6 North, Range 17 East.
- CASE 7007: (Continued from September 3, 1980, Examiner Hearing)  
Application of Harvey E. Yates Company for downhole commingling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Morrow and Atoka production in the wellbore of its North Travis 12 Deep Well No. 1 located in Unit O of Section 12, Township 18 South, Range 28 East.
- CASE 7023: (Continued from September 17, 1980, Examiner Hearing)  
Application of Shell Oil Company for pool creation and temporary special pool rules, Roosevelt County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new Pennsylvanian oil pool for its Askew Well No. 1 located in Unit L of Section 2, Township 5 South, Range 33 East, and the promulgation of special pool rules therefor, including a provision for 80-acre spacing.
- CASE 7019: (Continued from September 17, 1980, Examiner Hearing)  
Application of Amoco Production Company for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Pennsylvanian formation underlying the W/2 of Section 30, Township 23 South, Range 25 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.
- CASE 7032: Application of Dalport Oil Corporation for an exception to Order No. R-3221, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-3221 to permit disposal of produced brine into an unlined surface pit located between Units L and M of Section 9, Township 15 South, Range 30 East.
- CASE 7033: Application of Adams Exploration Inc. for three non-standard proration units, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of three 80-acre non-standard proration units in the Vada-Pennsylvanian Pool, comprising the following acreage: SE/4 NE/4 and NE/4 SE/4 of Section 12, N/2 NE/4 of Section 12, and S/2 SE/4 of Section 2, all in Township 9 South, Range 34 East.
- CASE 6940: (Continued from August 20, 1980, Examiner Hearing)  
Application of Adobe Oil Company for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests down through the Wolfcamp formation underlying the NW/4 SE/4 for oil and the SE/4 for gas, Section 23, Township 20 South, Range 38 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.

CASE 6996: (Continued from September 3, 1980, Examiner Hearing)

Application of John E. Schalk for compulsory pooling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Blanco Mesaverde Pool underlying the NE/4 of Section 8, Township 25 North, Range 3 West, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.

CASE 7034: Application of Merrion & Bayless for downhole commingling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of South Blanco-Pictured Cliffs and Otero-Chacra production in the wellbore of its Atlantic Well No. 1 located in Unit 0 of Section 32, Township 26 North, Range 6 West.

CASE 7035: Application of Merrion & Bayless for downhole commingling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Gallegos-Callup and Basin-Dakota production in the wellbore of its Delhi Taylor Well No. 1 located in Unit M of Section 4, Township 26 North, Range 11 West.

CASE 7036: Application of J. Gregory Merrion for compulsory pooling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Pictured Cliffs formation underlying the SE/4 of Section 34, Township 25 North, Range 6 West, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.

CASE 7037: Application of Mesa Petroleum Co. for downhole commingling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Chacra and Mesaverde production in the wellbore of its State Com AP Well No. 28 located in Unit I of Section 36, Township 29 North, Range 10 West.

CASE 7020: (Continued from September 3, 1980, Examiner Hearing)

Application of Mesa Petroleum Co. for pool creation, special pool rules and an oil discovery allowable, Rio Arriba and San Juan Counties, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new Gallup oil pool for its South Blanco Federal Well No. 1-6 located in Unit A of Section 6, Township 23 North, Range 7 West, and special rules therefor, including a provision for 80-acre spacing units. Applicant further seeks a discovery allowable for the aforesaid well.

CASE 6822: (Continued from September 17, 1980, Examiner Hearing)

In the matter of Case 6822 being reopened pursuant to the provisions of Order No. R-6293 which order created the West Double X-Wolfcamp Gas Pool as a retrograde gas condensate pool and set special production limitations therein. Operator(s) may appear and present evidence to establish the true nature of the reservoir and proper rates of withdrawal therefrom.

CASE 7038: Application of Natura Energy Corporation for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the San Andres formation underlying the NE/4 NE/4 of Section 6, Township 19 South, Range 39 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.

CASE 7039: Application of Red Mountain & Associates for a waterflood project, McKinley County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in the Chaco Wash-Mesaverde Oil Pool by the injection of water into the Chaco Wash Sand formation through eight wells at various orthodox and unorthodox locations in Section 28 of Township 20 North, Range 9 West.

CASE 7040: Application of Belco Petroleum Corporation for reclassification or a new gas pool and a non-standard proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the reclassification of the Wilson Strawn Pool as a gas pool or, in the alternative, the creation of a new gas pool for its State 12 Well No. 1 located in Unit G of Section 12, Township 21 South, Range 34 East; applicant further seeks approval of a standard gas proration unit for said well comprising the E/2 of said Section 12, or in the alternative, a non-standard unit comprising the NE/4, N/2 SE/4 and SE/4 SE/4 of said Section 12.

CASE 6618: (Reopened and Readvertised)

In the matter of Case 6618 being reopened pursuant to the provisions of Order No. R-6103 which order created the Travis-Yates Gas Pool in Eddy County, New Mexico, with temporary special rules and regulations including a provision for 80-acre spacing units. Operators in said pool may appear and show cause why the pool should not be developed on 160-acre spacing units.

CASE 6648: (Reopened and Readvertised)

In the matter of Case 6648 being reopened pursuant to the provisions of Order No. R-6124 which order promulgated temporary special rules and regulations for the North Caprock-Mississippian Pool in Lea County, New Mexico, including a provision for 160-acre spacing and a 4000 to one gas-oil ratio limitation. Operators in said pool may appear and show cause why the pool should not be developed on 40-acre spacing with a 2000 to one GOR.

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION  
STATE LAND OFFICE BLDG.  
SANTA FE, NEW MEXICO  
20 August 1980

EXAMINER HEARING

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IN THE MATTER OF: )  
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 )

Application of Harvey E. Yates Com- )  
pany for downhole commingling, Eddy )  
County, New Mexico. )

CASE  
7007

-----  
BEFORE: Richard L. Stamets

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Oil Conservation  
Division:

Ernest L. Padilla, Esq.  
Legal Counsel to the Division  
State Land Office Bldg.  
Santa Fe, New Mexico 87501

For the Applicant:

SALLY W. BOYD, C.S.R.  
Rt. 1 Box 193-B  
Santa Fe, New Mexico 87501  
Phone (505) 455-7409

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MR. STAMETS: Call next 7007.

MR. PADILLA: Application of Harvey E. Yates Company for downhole commingling, Eddy County, New Mexico.

MR. STAMETS: At the request of the applicant this case will be continued to the September 3rd Examiner Hearing.

(Hearing concluded.)

SALLY W. BOYD, C.S.R.  
Rt. 1 Box 193-B  
Santa Fe, New Mexico 87501  
Phone (505) 455-7409

C E R T I F I C A T E

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that the foregoing Transcript of Hearing before the Oil Conservation Division was reported by me; that the said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability.

Sally W. Boyd C.S.R.

SALLY W. BOYD, C.S.R.  
Rt. 1 Box 199-B  
Santa Fe, New Mexico 87501  
Phone (505) 455-7409

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 7007 heard by me on 8-20 1980.

Richard P. [Signature], Examiner  
Oil Conservation Division

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STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION  
STATE LAND OFFICE BLDG.  
SANTA FE, NEW MEXICO  
20 August 1980  
EXAMINER HEARING

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IN THE MATTER OF: )

Application of Harvey E. Yates Com- )  
pany for downhole commingling, Eddy )  
County, New Mexico. )

CASE  
7007

-----  
BEFORE: Richard L. Stamets

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Oil Conservation  
Division:

Ernest L. Padilla, Esq.  
Legal Counsel to the Division  
State Land Office Bldg.  
Santa Fe, New Mexico 87501

For the Applicant:

SALLY W. BOYD, C.S.R.  
Rt. 1 Box 193-B  
Santa Fe, New Mexico 87501  
Phone (505) 455-7409

1 MR. STAMETS: Call next 7007.

2 MR. PADILLA: Application of Harvey E.  
3 Yates Company for downhole commingling, Eddy County, New  
4 Mexico.

5 MR. STAMETS: At the request of the  
6 applicant this case will be continued to the September 3rd  
7 Examiner Hearing.

8 (Hearing concluded.)  
9

10 **SALLY W. BOYD, C.S.R.**  
11 Rt. 1 Box 193-B  
12 Santa Fe, New Mexico 87501  
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C E R T I F I C A T E

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that the foregoing Transcript of Hearing before the Oil Conservation Division was reported by me; that the said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability.

\_\_\_\_\_

**SALLY W. BOYD, C.S.R.**  
Rt. 1 Box 193-B  
Santa Fe, New Mexico 87501  
Phone (505) 455-7409

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. \_\_\_\_\_, heard by me on \_\_\_\_\_ 19\_\_\_\_\_.  
\_\_\_\_\_, Examiner  
Oil Conservation Division

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STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION  
STATE LAND OFFICE BLDG.  
SANTA FE, NEW MEXICO  
3 September 1980

EXAMINER HEARING

IN THE MATTER OF:

Application of Harvey E. Yates Com-  
pany for downhole commingling, Eddy  
County, New Mexico,

CASE  
7007

BEFORE: Daniel S. Nutter

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Oil Conservation  
Division:

Ernest L. Padilla, Esq.  
Legal Counsel to the Division  
State Land Office Bldg.  
Santa Fe, New Mexico 87501

For the Applicant:

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MR. NUTTER: Call next Case Number 7007.

MR. PADILLA: Application of Harvey E. Yates Company for downhole commingling, Eddy County, New Mexico.

MR. NUTTER: Applicant in this case has requested that this case be continued to October 1st, 1980.

And Case Number 7007 will be continued to the Examiner Hearing scheduled to be held at this same place October 1, 1980.

(Hearing concluded.)

**SALLY W. BOYD, C.S.R.**

Rt. 1 Box 193-B  
Santa Fe, New Mexico 87501  
Phone (505) 455-7409

C E R T I F I C A T E

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that the foregoing Transcript of Hearing before the Oil Conservation Division was reported by me; that the said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability.

Sally W. Boyd C.S.R.

SALLY W. BOYD, C.S.R.  
Rt. 1 Box 193-B  
Santa Fe, New Mexico 87501  
Phone (505) 455-7409

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 7007 heard by me on 9/3 1980.

[Signature], Examiner  
Oil Conservation Division

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STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION  
STATE LAND OFFICE BLDG.  
SANTA FE, NEW MEXICO  
3 September 1980

EXAMINER HEARING

IN THE MATTER OF:

Application of Harvey E. Yates Com-  
pany for downhole commingling, Eddy  
County, New Mexico.

CASE  
7007

BEFORE: Daniel S. Nutter

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Oil Conservation  
Division:

Ernest L. Padilla, Esq.  
Legal Counsel to the Division  
State Land Office Bldg.  
Santa Fe, New Mexico 87501

For the Applicant:

SALLY W. BOYD, C.S.R.

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1 MR. NUTTER: Call next Case Number 7007.

2 MR. PADILLA: Application of Harvey E.

3 Yates Company for downhole commingling, Eddy County, New  
4 Mexico.

5 MR. NUTTER: Applicant in this case has  
6 requested that this case be continued to October 1st, 1980.

7 And Case Number 7007 will be continued  
8 to the Examiner Hearing scheduled to be held at this same  
9 place October 1, 1980.

10 (Hearing concluded.)  
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SALLY W. BOYD, C.S.R.

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Phone (505) 455-7409

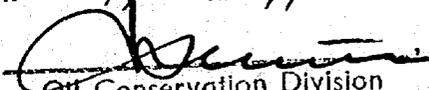
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C E R T I F I C A T E

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that the foregoing Transcript of Hearing before the Oil Conservation Division was reported by me; that the said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability.

SALLY W. BOYD, C.S.R.  
Rt. 1 Box 193-B  
Santa Fe, New Mexico 87501  
Phone (505) 455-7409

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 2007 heard by me on 9/3 1980.

 Examiner  
Oil Conservation Division



Dockets Nos. 29-80 and 30-80 are tentatively set for September 17 and October 1, 1980. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - SEPTEMBER 3, 1980

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

The following cases will be heard before Daniel S. Nutter, Examiner, or Richard L. Stamets, Alternate Examiner:

- CASE 7015: Application of Tenneco Oil Company for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Wolfcamp-Pennsylvanian formations underlying the S/2 of Section 36, Township 18 South, Range 29 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.
- CASE 7016: Application of Harvey E. Yates Company for compulsory pooling, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Wolfcamp thru Mississippian formations underlying the E/2 of Section 18, Township 15 South, Range 27 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.
- CASE 7006: (Continued from August 20, 1980, Examiner Hearing)  
Application of Harvey E. Yates Company for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the Northwest Gladiola Unit Area, comprising 1,280 acres, more or less, of State and fee lands in Townships 11 and 12 South, Range 37 East.
- CASE 7007: (Continued from August 20, 1980, Examiner Hearing)  
Application of Harvey E. Yates Company for downhole commingling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Morrow and Atoka production in the wellbore of its North Travis 12 Deep Well No. 1 located in Unit 0 of Section 12, Township 18 South, Range 28 East.
- CASE 7017: Application of Bass Enterprises Production Company for pool creation, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new Bone Spring gas pool for its Big Eddy Unit Well No. 60 located in Unit J of Section 20, Township 21 South, Range 28 East, with classification of wells with a GOR of 20,000 or more as gas wells.
- CASE 7018: Application of Shell Oil Company for an exception to Division Rule No. 202(B), San Juan County, New Mexico. Applicant, in the above-styled cause, seeks a one year extension to the exception to Rule 202(B) previously approved by Order No. R-5655 for certain of its Carson Unit wells in the Bisti Pool. Applicant further requests an administrative procedure for any future extensions.
- CASE 7019: Application of Amoco Production Company for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Pennsylvanian formation underlying the W/2 of Section 30, Township 23 South, Range 25 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.
- CASE 6991: (Continued from August 6, 1980, Examiner Hearing)  
Application of Amoco Production Company for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the San Andres formation in a 100 foot perforated interval between 4400 feet and 4800 feet in its South Hobbs Unit Well No. 103 in Unit B of Section 15, Township 19 South, Range 38 East, Hobbs Grayburg-San Andres Pool.
- CASE 7000: (Continued from August 20, 1980, Examiner Hearing)  
Application of Cavalcade Oil Corporation for an unorthodox oil well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its McClay Well No. 11 2385 feet from the South line and 1834 feet from the West line of Section 33, Township 18 South, Range 30 East, the NE/4 SW/4 of said Section 33 to be dedicated to the well.

CASE 7020: Application of Mesa Petroleum Co. for pool creation, special pool rules and an oil discovery allowable, Rio Arriba and San Juan Counties, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new Gallup oil pool for its South Blanco Federal Well No. 1-6 located in Unit A of Section 6, Township 23 North, Range 7 West, and special rules therefor, including a provision for 80-acre spacing units. Applicant further seeks a discovery allowable for the aforesaid well.

CASE 6822: (Reopened and Readvertised)

In the matter of Case 6822 being reopened pursuant to the provisions of Order No. R-6293 which order created the West Double X-Wolfcamp Gas Pool as a retrograde gas condensate pool and set special production limitations therein. Operator(s) may appear and present evidence to establish the true nature of the reservoir and proper rates of withdrawal therefrom.

CASE 6996: (Continued from August 20, 1980, Examiner Hearing)

Application of John E. Schalk for compulsory pooling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Blanco Mesaverde Pool underlying the NE/4 of Section 8, Township 25 North, Range 3 West, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.

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Docket No. 28-80

DOCKET: COMMISSION HEARING - THURSDAY - SEPTEMBER 4, 1980

OIL CONSERVATION COMMISSION - 9 A.M. - ROOM 205  
STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

CASE 6889: (DE NOVO)

Application of Belco Petroleum Corporation for directional drilling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to directionally drill a well, the surface location of which is 1980 feet from the North line and 920 feet from the West line of Section 36, Township 22 South, Range 30 East, in such a manner as to bottom it at an unorthodox location within 100 feet of a point 1320 feet from the North line and 2640 feet from the West line of said Section 36 in the Morrow formation, the N/2 of said Section 36 to be dedicated to the well.

Upon application of Duval Corporation this case will be heard De Novo pursuant to the provisions of Rule 1220.

Evidence and testimony or arguments in this hearing shall be limited to the issue of whether Duval Corporation has standing to object to the application of Belco Petroleum Corporation.

Dockets Nos. 27-80 and 28-80 are tentatively set for September 3 and 17, 1980. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - AUGUST 29, 1980

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

The following cases will be heard before Richard L. Stamets, Examiner, or Daniel S. Nutter, Alternate Examiner:

- ALLOWABLE: (1) Consideration of the allowable production of gas for September, 1980, from fifteen prorated pools in Lea, Eddy, and Chaves Counties, New Mexico.
- (2) Consideration of the allowable production of gas for September, 1980, from four prorated pools in San Juan, Rio Arriba, and Sandoval Counties, New Mexico.
- CASE 6998: Application of Monsanto Company for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the Back Basin Unit Area, comprising 1,920 acres, more or less, of State and Federal lands in Township 23 South, Range 34 East.
- CASE 6999: Application of Gulf Oil Corporation for an unorthodox location and simultaneous dedication, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the simultaneous dedication of a previously approved 320-acre non-standard proration unit comprising the N/2 of Section 36, Township 21 South, Range 36 East, Eumont Gas Pool, to its Harry Leonard NCT-C Well No. 9 located in Unit B, and its No. 8, at an unorthodox location 1980 feet from the North line and 660 feet from the East line of Section 36.
- CASE 7000: Application of Cavalcade Oil Corporation for an unorthodox oil well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its McClay Well No. 11 2385 feet from the South line and 1834 feet from the West line of Section 33, Township 18 South, Range 30 East, the NE/4 SW/4 of said Section 33 to be dedicated to the well.
- CASE 7001: Application of McClellan Oil Corporation for three unorthodox oil well locations, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for three following unorthodox locations for wells to be drilled in Section 24, Township 14 South, Range 29 East, Double L Queen Associated Pool: 1155 feet from the North line and 2145 feet from the East line; 1155 feet from the North and East lines; and 1650 feet from the North line and 1155 feet from the East line; the respective 40-acre tract would be dedicated to each well.
- CASE 7002: Application of Orville Slaughter for the amendment of Order No. R-5947, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-5947 to provide for the commingling of Oswell-Farrington production from his Sangre de Cristo Well No. 1 with undesignated Fruitland production from Wells Nos. 2 and 2S, all in Section 34, Township 30 North, Range 11 West.
- CASE 7003: Application of El Paso Natural Gas Company for directional drilling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks authority to directionally drill a well, the surface location of which is 590 feet from the South line and 2400 feet from the East line of Section 1, Township 29 North, Range 13 West, in such a manner as to bottom it within 175 feet of a point 990 feet from the South line and 1650 feet from the West line of said Section 1.
- CASE 7004: Application of Anadarko Production Company for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Wolfcamp-Horrow formations underlying the N/2 of Section 12, Township 19 South, Range 25 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well, and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.
- CASE 6938: (Continued from June 25, 1980, Examiner Hearing)
- Application of Anadarko Production Company for an unorthodox gas well location, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Dalport Federal Well No. 1 660 feet from the South and West lines of Section 20, Township 13 South, Range 31 East, Southeast Chaves Queen Gas Area, the W/2 of said Section 20 to be dedicated to the well.
- CASE 6939: (Continued from June 25, 1980, Examiner Hearing)
- Application of Anadarko Production Company for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests at a depth from 2400 feet to 5000 feet below the surface, Turkey Track Field, underlying the NE/4 SE/4 of Section 10, Township 19 South, Range 29 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.

CASE 6940: (Continued from July 23, 1980, Examiner Hearing)

Application of Adobe Oil Company for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests down through the Wolfcamp formation underlying the NW/4 SE/4 for oil and the SE/4 for gas, Section 23, Township 20 South, Range 38 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.

CASE 6961: (Continued from July 23, 1980, Examiner Hearing) (This case will be continued to September 17.)

Application of Conoco Inc. for a dual completion and unorthodox well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion of its Meyer A-29 Well No. 11 to be drilled at an unorthodox location 990 feet from the North line and 660 feet from the East line of Section 29, Township 22 South, Range 36 East, to produce gas from the Langley-Devonian and -Ellenburger Pools thru parallel strings of tubing, the E/2 of said Section 29 to be dedicated to the well.

CASE 7005: Application of Sol West III for an NGPA determination, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks a new onshore reservoir determination in the Morrow formation for his Turkey Track-Morrow Sand Well No. 1 in Unit I of Section 26, Township 18 South, Range 28 East.

CASE 7006: Application of Harvey E. Yates Company for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the Northwest Gladiola Unit Area, comprising 1,280 acres, more or less, of State and fee lands in Townships 11 and 12 South, Range 37 East.

CASE 7007: Application of Harvey E. Yates Company for downhole commingling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Morrow and Atoka production in the wellbore of its North Travis 12 Deep Well No. 1 located in Unit O of Section 12, Township 18 South, Range 28 East.

CASE 7008: Application of Coronado Exploration Corp. for eight compulsory poolings, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the San Andres formation underlying eight 40-acre proration units, being the NE/4 NE/4 of Section 4 and the NW/4 NE/4 of Section 5, both in Township 12 South, Range 28 East, and the NW/4 SE/4 of Section 6, the NE/4 NW/4 of Section 23, the NE/4 SE/4 of Section 18, the SE/4 SE/4 of Section 29, the NE/4 NW/4 of Section 32, and the SE/4 NW/4 of Section 33, all in Township 11 South, Range 28 East, each to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said wells and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the wells, and a charge for risk involved in drilling said wells.

CASE 6994: (Continued from August 6, 1980, Examiner Hearing)

Application of Enserch Exploration, Inc. for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Wolfcamp thru Siluro-Devonian formations underlying the N/2 of Section 14, Township 25 South, Range 34 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.

CASE 6996: (Continued from August 6, 1980, Examiner Hearing)

Application of John E. Schalk for compulsory pooling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Blanco Mesaverde Pool underlying the NE/4 of Section 8, Township 25 North, Range 3 West, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.

CASE 7009: Application of Amoco Production Company for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Abo formation in the interval from 8330 feet to 9000 feet in its State "E" Tract 18 Well No. 22 in Unit C of Section 2, Township 17 South, Range 36 East, Lovington-Abo Pool.

CASE 7010: Application of Amoco Production Company for a dual completion, unorthodox well location, and simultaneous dedication, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion of its Myers "B" Federal Well No. 28 at an unorthodox location 330 feet from the South line and 420 feet from the West line of Section 9, Township 24 South, Range 37 East, to produce gas from the Jalmat Gas Pool and oil from the Langlie Mattix Pool, to be simultaneously dedicated in the gas zone with its No. 13 located in Unit L of Section 9.

CASE 7011: (This case will be continued to the September 17, 1980, hearing.)

Application of Amoco Production Company for downhole commingling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Fruitland and Blanco-Pictured Cliffs production in the wellbores of the following six wells: Elliott "C" No. 1, SE/4 of Section 9, Township 30 North, Range 9 West; Elliott "B" No. 8, NE/4 of Section 10; "A" Nos. 3 and 2, NE/4 and NW/4, Section 11; "D" No. 7, SW/4 of Section 11; and "E" No. 1, NW/4 of Section 14, all in Township 29 North, Range 9 West.

CASE 6981: (Continued from July 23, 1980, Examiner Hearing)

Application of Bass Enterprises Production Company for a special gas-oil ratio limitation, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks a special gas-oil ratio limitation of 8000 to one for the Palmillo-Bone Springs Pool.

CASE 7012: Application of Amoco Production Company for an NGPA determination, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks a new onshore reservoir determination in the Atoka formation for its Pardue Farms Gas Com Well No. 1 in Unit C of Section 26, Township 23 South, Range 28 East.

CASE 7013: In the matter of the hearing called by the Oil Conservation Division on its own motion for an order creating, abolishing, contracting vertical limits, and extending certain pools in Chaves, Lea, and Roosevelt Counties, New Mexico:

(a) CREATE a new pool in Lea County, New Mexico, classified as a gas pool for Yates production and designated as the Byers-Yates Gas Pool. The discovery well is Exxon Corporation Bowers A Federal Well No. 37 located in Unit P of Section 30, Township 18 South, Range 38 East, NMPM. Said pool would comprise:

TOWNSHIP 18 SOUTH, RANGE 38 EAST, NMPM  
Section 30: SE/4

(b) CREATE a new pool in Lea County, New Mexico, classified as a gas pool for Atoka production and designated as the West Jal-Atoka Gas Pool. The discovery well is Getty Oil Company West Jal B Deep Well No. 1 located in Unit H of Section 17, Township 25 South, Range 36 East, NMPM. Said pool would comprise:

TOWNSHIP 25 SOUTH, RANGE 36 EAST, NMPM  
Section 17: E/2

(c) CREATE a new pool in Lea County, New Mexico, classified as a gas pool for Morrow production and designated as the Saunders-Morrow Gas Pool with special vertical limits defined as being from the top of the Morrow formation at 12,150 feet to the top of the Mississippian at 12,445 feet, as found on the log of the discovery well, the Adobe Oil and Gas Corporation Gray 35 Well No. 1 located in Unit N of Section 35, Township 14 South, Range 33 East, NMPM. Said pool would comprise:

TOWNSHIP 14 SOUTH, RANGE 33 EAST, NMPM  
Section 35: All

(d) ABOLISH the North Baum-Upper Pennsylvanian Pool in Lea County, New Mexico, described as:

TOWNSHIP 13 SOUTH, RANGE 32 EAST, NMPM  
Section 13: SE/4  
Section 23: SE/4  
Section 24: S/2 and NE/4  
Section 25: N/2 and SE/4  
Section 26: N/2

TOWNSHIP 13 SOUTH, RANGE 33 EAST, NMPM  
Section 18: S/2  
Section 19: N/2 and SE/4  
Section 20: All

(e) EXTEND the Bama-Upper Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 13 SOUTH, RANGE 32 EAST, NMPM  
Section 12: SE/4  
Section 23: SE/4  
Section 24: S/2 and NE/4  
Section 25: All  
Section 26: N/2

TOWNSHIP 13 SOUTH, RANGE 33 EAST, NMPM  
Section 18: S/2  
Section 19: W/2 and SE/4  
Section 20: All

(f) ABOLISH the Gallina-San Andres Pool in Chaves County, New Mexico, described as:

TOWNSHIP 8 SOUTH, RANGE 32 EAST, NMPM  
Section 6: NW/4

(g) EXTEND the Tomahawk-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 8 SOUTH, RANGE 32 EAST, NMPM  
Section 6: NW/4

(h) ABOLISH the West Tonto-Pennsylvanian Gas Pool in Lea County, New Mexico, described as:

TOWNSHIP 19 SOUTH, RANGE 32 EAST, NMPM  
Section 12: S/2

TOWNSHIP 19 SOUTH, RANGE 33 EAST, NMPM  
Section 7: All  
Section 8: W/2  
Section 18: N/2

(i) EXTEND the Buffalo-Pennsylvanian Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 32 EAST, NMPM  
Section 1: S/2  
Section 12: S/2

TOWNSHIP 19 SOUTH, RANGE 33 EAST, NMPM  
Section 6: SW/4  
Section 7: All  
Section 8: W/2  
Section 18: N/2

(j) CONTRACT the vertical limits of the Saunders-Permo Pennsylvanian Pool with special vertical limits defined as being from the top of the Wolfcamp formation at 9,195 feet to 10,705 feet into Pennsylvanian formation, as found on log of Adobe Oil and Gas Corporation Gray 35 Well No. 1 located in Unit R of Section 35, Township 14 South, Range 33 East, NMPM, and redesignate said Saunders-Permo Pennsylvanian Pool to Saunders Permo-Upper Pennsylvanian Pool.

(k) EXTEND the Airstrip-Upper Bone Springs Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 34 EAST, NMPM  
Section 25: NE/4

(l) EXTEND the South Bell Lake-Morrow Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 24 SOUTH, RANGE 34 EAST, NMPM  
Section 18: S/2

(m) EXTEND the Chaveroo-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 8 SOUTH, RANGE 32 EAST, NMPM  
Section 13: SW/4

(n) EXTEND the Custer-Devonian Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 24 SOUTH, RANGE 36 EAST, NMPM  
Section 36: S/2

TOWNSHIP 25 SOUTH, RANGE 36 EAST, NMPM  
Section 1: E/2

- (o) EXTEND the Custer-Ellenburger Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 24 SOUTH, RANGE 36 EAST, NMPM  
Section 36: S/2

TOWNSHIP 25 SOUTH, RANGE 36 EAST, NMPM  
Section 1: E/2

- (p) EXTEND the Flying "W"-San Andres Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 9 SOUTH, RANGE 33 EAST, NMPM  
Section 19: NE/4

- (q) EXTEND the Hardy-Blinbry Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM  
Section 12: NW/4

- (r) EXTEND the Hardy-Drinkard Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM  
Section 12: NW/4

- (s) EXTEND the Hobbs-Drinkard Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 38 EAST, NMPM  
Section 3: SW/4

- (t) EXTEND the South Kemnitz-Cisco Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 16 SOUTH, RANGE 33 EAST, NMPM  
Section 22: SE/4  
Section 27: NE/4

- (u) EXTEND the North Lusk-Morrow Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 32 EAST, NMPM  
Section 32: N/2  
Section 33: W/2

TOWNSHIP 19 SOUTH, RANGE 32 EAST, NMPM  
Section 4: W/2

- (v) EXTEND the Querecho Plains-Yates Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 32 EAST, NMPM  
Section 35: NW/4

- (w) EXTEND the South Salt Lake-Morrow Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 32 EAST, NMPM  
Section 6: Lots 9, 10, 15, 16, and  
SE/4

- (x) EXTEND the Northwest Todd-San Andres Gas Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 35 EAST, NMPM  
Section 7: NE/4

- (y) EXTEND the Tom-Tom San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 31 EAST, NMPM  
Section 32: SE/4 SW/4

- (z) EXTEND the Warren-Tubb Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 38 EAST, NMPM  
Section 35: NW/4

**HEYCO**

PETROLEUM PRODUCERS



**HARVEY E. YATES COMPANY**

P. O. BOX 1933

SUITE 300, SECURITY NATIONAL BANK BUILDING

505/623-6601

ROSWELL, NEW MEXICO 88201

July 30, 1980

State of New Mexico  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87501

*Case 7007*

Re: Application of  
Harvey E. Yates Company  
for Downhole Commingling  
NORTH TRAVIS 12 DEEP #1 WELL  
Eddy County, New Mexico

Gentlemen:

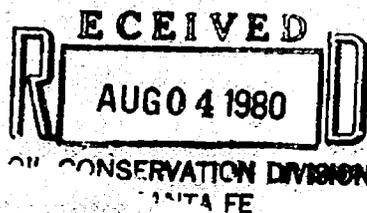
Enclosed for filing is an original and two copies of the above referenced application. This matter has previously been set for examiner hearing on the August 20, 1980 Docket.

Sincerely,

Robert H. Strand  
Attorney

Encls.  
RHS:lh

OCD-1 #21



BEFORE THE OIL CONSERVATION DIVISION  
ENERGY AND MINERALS DEPARTMENT  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE :  
APPLICATION OF :  
HARVEY E. YATES COMPANY :  
FOR DOWNHOLE COMMINGLING :  
EDDY COUNTY, NEW MEXICO :

Case No. 7007

APPLICATION

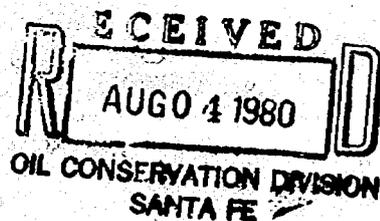
COMES NOW HARVEY E. YATES COMPANY by its Attorney  
and respectfully states:

1. Applicant is the Operator of the NORTH TRAVIS 12  
Deep #1 Well situated 1,650 FEL and 660 FEL, Section 12, Town-  
ship 18 South, Range 28 East, N.M.P.M., Eddy County, New Mexico  
and has the contractual right to produce the Atoka and Morrow  
zones underlying the S/2 of said Section 12.

2. Applicant is of the opinion that it would be  
uneconomical to produce the gas from the Atoka formation, un-  
less it can be commingled in the wellbore with gas produced  
from the Morrow formation and produced as one commingled stream.

3. Applicant is further of the opinion that such  
commingling will not have an adverse effect on the productive  
capability of either formation.

4. The approval of this application will avoid the  
risk and cost associated with dual completing said well in the



Atoka and Morrow formations, and will promote conservation, prevent waste and protect correlative rights.

WHEREFORE, applicant prays:

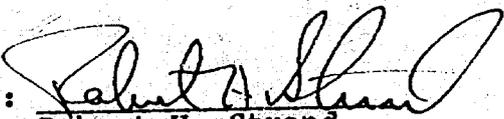
A. That this application be set for hearing before an examiner and that notice of said hearing be given as required by law.

B. That upon hearing, the Division enter its order granting applicant permission to commingle in the wellbore of its North Travis 12 Deep #1 Well gas produced from the Morrow and Atoka formations.

C. For such further relief as the Division deems just and proper.

DATED this 30th day of July, 1980.

HARVEY E. YATES COMPANY

By:   
Robert H. Strand  
Attorney for Applicant  
P. O. Box 1933  
Roswell, New Mexico 88201

RHS/lh

OCD-1 #32

BEFORE THE OIL CONSERVATION DIVISION  
ENERGY AND MINERALS DEPARTMENT  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE :  
APPLICATION OF :  
HARVEY E. YATES COMPANY :  
FOR DOWNHOLE COMMINGLING :  
EDDY COUNTY, NEW MEXICO :

Case No. 7007

APPLICATION

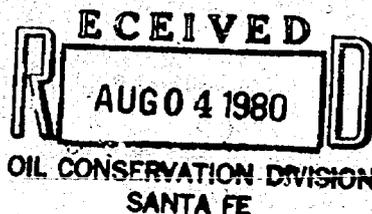
COMES NOW HARVEY E. YATES COMPANY by its Attorney  
and respectfully states:

1. Applicant is the Operator of the NORTH TRAVIS 12  
Deep #1 Well situated 1,650 FEL and 660 FSL, Section 12, Town-  
ship 18 South, Range 28 East, N.M.P.M., Eddy County, New Mexico  
and has the contractual right to produce the Atoka and Morrow  
zones underlying the S/2 of said Section 12.

2. Applicant is of the opinion that it would be  
uneconomical to produce the gas from the Atoka formation, un-  
less it can be commingled in the wellbore with gas produced  
from the Morrow formation and produced as one commingled stream.

3. Applicant is further of the opinion that such  
commingling will not have an adverse effect on the productive  
capability of either formation.

4. The approval of this application will avoid the  
risk and cost associated with dual completing said well in the



Atoka and Morrow formations, and will promote conservation, prevent waste and protect correlative rights.

WHEREFORE, applicant prays:

A. That this application be set for hearing before an examiner and that notice of said hearing be given as required by law.

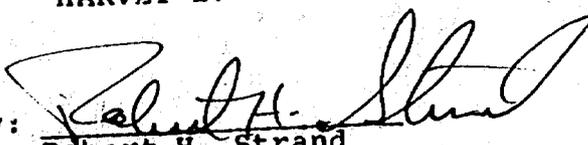
B. That upon hearing, the Division enter its order granting applicant permission to commingle in the wellbore of its North Travis 12 Deep #1 Well gas produced from the Morrow and Atoka formations.

C. For such further relief as the Division deems just and proper.

DATED this 30th day of July, 1980.

HARVEY E. YATES COMPANY

By:

  
Robert H. Strand  
Attorney for Applicant  
P. O. Box 1933  
Roswell, New Mexico 88201

RHS/lh

OCD-1 #32

BEFORE THE OIL CONSERVATION DIVISION  
ENERGY AND MINERALS DEPARTMENT  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE  
APPLICATION OF  
HARVEY E. YATES COMPANY  
FOR DOWNHOLE COMMINGLING  
EDDY COUNTY, NEW MEXICO

Case No. 7007

APPLICATION

COMES NOW HARVEY E. YATES COMPANY by its Attorney

and respectfully states:

1. Applicant is the Operator of the NORTH TRAVIS 12 Deep #1 Well situated 1,650 FEL and 660 FSL, Section 12, Township 18 South, Range 28 East, N.M.P.M., Eddy County, New Mexico and has the contractual right to produce the Atoka and Morrow zones underlying the S/2 of said Section 12.

2. Applicant is of the opinion that it would be uneconomical to produce the gas from the Atoka formation, unless it can be commingled in the wellbore with gas produced from the Morrow formation and produced as one commingled stream.

3. Applicant is further of the opinion that such commingling will not have an adverse effect on the productive capability of either formation.

4. The approval of this application will avoid the risk and cost associated with dual completing said well in the

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OIL CONSERVATION DIVISION  
SANTA FE

Atoka and Morrow formations, and will promote conservation, prevent waste and protect correlative rights.

WHEREFORE, applicant prays:

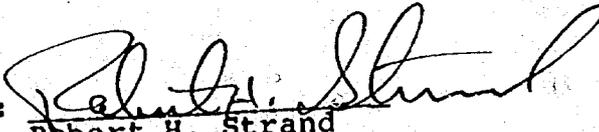
A. That this application be set for hearing before an examiner and that notice of said hearing be given as required by law.

B. That upon hearing, the Division enter its order granting applicant permission to commingle in the wellbore of its North Travis 12 Deep #1 Well gas produced from the Morrow and Atoka formations.

C. For such further relief as the Division deems just and proper.

DATED this 30th day of July, 1980.

HARVEY E. YATES COMPANY

By:   
Robert H. Strand  
Attorney for Applicant  
P. O. Box 1933  
Roswell, New Mexico 88201

RHS/lh

CCD-1 #32

Called in by Bob Strand  
7/30/80

Harvey E. Yates Company  
Blowhole Commingling  
Morrow and Atoka

North Travis 12 Deep No. 1  
Unit 0 Sec. 12-T185-R28E

Eddy County

dr/

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

*Con'd*

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
DIVISION FOR THE PURPOSE OF  
CONSIDERING:

CASE NO. 7007

Order No. R-6486

*2/P*  
*RLL*

APPLICATION OF HARVEY E. YATES COMPANY  
FOR DOWNHOLE COMMINGLING, EDDY  
COUNTY, NEW MEXICO.

*JAR*

*Don*

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on <sup>*Oct 1*</sup> ~~September 3~~,  
1980, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter

NOW, on this      day of <sup>*Oct*</sup> ~~September~~, 1980, the  
Division Director, having considered the testimony, the record,  
and the recommendations of the Examiner, and being fully  
advised in the premises,

FINDS:

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

(2) That the applicant, Harvey E. Yates Company, is  
the owner and operator of the North Travis 12 Deep Well No. 1,  
located in Unit 0 of Section 12, Township 18 South,  
Range 28 East, NMPM, Eddy County, New Mexico.

(3) That the applicant seeks authority to commingle  
Morrow and Atoka production  
within the wellbore of the above-described well.

(4) That from the Morrow zone, the subject well is capable of low marginal production only.

(5) That from the Atoka zone, the subject well is <sup>expected to be</sup> capable of low marginal production only.

(6) That the proposed commingling may result in the recovery of additional hydrocarbons from each of the subject pools, thereby preventing waste, and will not violate correlative rights.

(7) That the reservoir characteristics of each of the subject zones are such that underground waste would not be caused by the proposed commingling provided that the well is not shut-in for an extended period.

(8) That to afford the Division the opportunity to assess the potential for waste and to expeditiously order appropriate remedial action, the operator should notify the Artesia district office of the Division any time the subject well is shut-in for 7 consecutive days.

~~(9) That in order to allocate the commingled production to each of the commingled zones in the subject well, \_\_\_\_\_ percent of the commingled \_\_\_\_\_ production should be allocated to the Morrow zone, and \_\_\_\_\_ percent of the commingled \_\_\_\_\_ production to the Atoka zone.~~

(ALTERNATE)

(9) That in order to allocate the commingled production to each of the commingled zones in the wells, applicant should consult with the supervisor of the Artesia district office of the Division and determine an allocation formula for each of the production zones.

(10) That the Division Director should be authorized to rescind this commingling authority in the event substantial production and pressures are encountered in the Atoka formation.

IT IS THEREFORE ORDERED:

(1) That the applicant, Harvey E. Yates Company, is hereby authorized to commingle Morrow and Atoka production within the wellbore of the North Travis 12 Deep Well/ No. 1, located in Unit 0 of Section 12, Township 18 South, Range 28 East, NMPM, Eddy County, New Mexico.

(2) That the applicant shall consult with the Supervisor of the Artesia district office of the Division and determine an allocation formula for the allocation of production to each zone in each of the subject wells.

~~(ALTERNATE)~~

~~(2) That \_\_\_\_\_ percent of the commingled production shall be allocated to the Morrow zone and \_\_\_\_\_ percent of the commingled production shall be allocated to the Atoka zone.~~

(3) That the operator of the subject well shall immediately notify the Division's Artesia district office any time the well has been shut-in for 7 consecutive days and shall concurrently present, to the Division, a plan for remedial action.

(4)  
(5) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

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

*(4) That the Division Director is authorized to rescind his commingling authority in the event substantial production and pressures are encountered in the Atoka formation.*