CASE 5806: ANADARKO PROD. CO. FOR TWO UNORTHODOX WELL LOCATIONS, EDDY COUNTY, Pany NEW MEXICO

CASE NO.

5806

APPlication,
Transcripts,
Small Exhibits,

ETC.

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
November 10, 1976

EXAMINER HEARING

IN THE MATTER OF:

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Application of Anadarko Production)
Company for two unorthodox well loca-)
tions, Eddy County, New Mexico.)

CASE 5806

BEFORE: Richard L. Stamets, Examiner

TRANSCRIPT OF HEARING

APPEARANCES

For the New Mexico Oil Conservation Commission:

Lynn Teschendorf, Esq.
Legal Counsel for the Commission
State Land Office Building
Santa Fe, New Mexico

For the Applicant:

Jason W. Kellahin, Esq. KELLAHIN & FOX
Attorneys at Law
500 Don Gaspar
Santa Fe, New Mexico

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Page

DAN KERNAGHAN

Direct Examination by Mr. Kellahin

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MR. STAMETS: We will call next Case 5806.

MS. TESCHENDORF: Case 5806, application of Anadarko Production Company for two unorthodox well locations, Eddy County, New Mexico.

MR. KELLAHIN: If the Examiner please, Jason Kellahin, Kellahin and Fox, Santa Fe, appearing for the applicant and I have one witness to be sworn.

(THEREUPON, the witness was duly sworn.)

DAN KERNAGHAN

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

DIRECT EXAMINATION

BY MR. KELLAHIN:

- Would you state your name, please?
- My name is Dan Kernaghan.
- By whom are you employed and in what position, Mr. Kernaghan?
- I'm employed by Anadarko Production Company as Division Evaluation Engineer.
 - And where are you located?
- In Houston.
- Have you testified before the Oil Conservation Commission and made your qualifications as an engineer a

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matter of record?

Yes, sir, I have.

MR. KELLAHIN: Are the witness' qualifications acceptable?

> MR. STAMETS: They are.

- (Mr. Kellahin continuing.) Mr. Kernaghan, what is proposed by the applicant in Case Number 5806?
- Anadarko proposes to drill two producing wells in the very southwest corner of Units A of Section 23, 18, 27 and in the southeast corner of Unit M of Section 13, 18, 27. It will be fifty feet off the lease line on the unit boundary.
 - Now, what is this unit?
 - The Artesia State Unit.
 - Is this a waterflood project?
 - Yes, it is.
- And you are presently injecting water in the project?
 - A. Yes, we are.
- Now, referring to what has been marked as your Exhibit Number One, would you identify that exhibit, please?
- Exhibit Number One shows the boundary of the Artesia State Unit outlined in yellow and the surrounding wells and fields and other property in the immediate area.
- Now, referring to what has been marked as Exhibit Number Two would you identify that exhibit?

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Exhibit Number Two again shows the Artesia State Unit and shows the wells into which we are injecting water with blue triangles. It shows the wells which have responded to this water injection with red circles and it also denotes the location of the two producing wells which we are requesting

Now, referring to what has been marked as your Exhibit Number Three, would you identify that exhibit, please?

Exhibit Number Three is a structure map of the area on the top of the Grayburg formation.

Now, referring to Exhibit Number Four, would you identify that exhibit?

Exhibit Number Four is an isopach map of the net porosity in the producing interval of the wells, you know, in the immediate area. It shows that we can expect a net porosity of approximately twelve to fourteen feet in the two locations which we propose to drill.

Do you anticipate that they would be productive from the waterflood formations?

Yes, I do.

permission to drill.

Referring to what has been marked as Exhibit Number Five, would you identify that exhibit, please?

Exhibit Number Five is the tabulated production of the wells circled in red on Exhibit Number Two. the wells which have shown response from our waterflood. This data is also graphically presented in Exhibit Six. Now, you have Exhibits Seven through Eleven, are those all graphs?

Yes, they are.

Six through Eleven?

Six through Eleven are graphs of the wells shown on Exhibit Five.

And that shows their production history under the waterflood project, is that correct?

That is correct.

Now, referring back to your Exhibit Number Two, Mr. Kernaghan, in your opinion and based on the response you have had from this flood, are the proposed wells necessary to protect the migration of oil outside of the unit?

Yes, sir, I feel that they are. We have had response A. outside of our unit area as a direct result of our injection operations and I feel that wells in this location are necessary to prevent oil from being pushed off of the unit onto outside leases.

In your opinion will the approval of this application in any way impair the correlative rights of the offsetting owners?

No, it will not. There are no wells on the offsetting A. leases which would recover this oil and this oil is a direct result of our unit operations.

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	Q So unless these wells are drilled and the oil
	recovered, would it ever be recovered?
	A. No, it would not.
	Q And that would constitute waste, would it not?
	A That is correct. In the event the other operators
	don't drill wells it would never be recovered.
,	Q There are none there now, is that right?
В	A. No, there is none there now.
9	Q And the oil, in your opinion, is migrating?
0	That is correct, as a result of our waterflood
1	operations.
12	Q Were Exhibits One through Eleven prepared by you or
13	under your supervision?
14	A. Yes, they were.
15	MR. KELLAHIN: At this time I would like to offer
16	Exhibits One through Eleven.
17	These exhibits will be admitted.
18	(MURREUPON, Applicant's Exhibits One through
19	Eleven were admitted into evidence.)
20	MR KELLAHIN: That's all we have on direct
2	examination, Mr. Stamets.
2	ANY QUESTIONS OF the witness? He may
2	be excused.

(THEREUPON, the witness was excused.)

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General Court Reporting Service

Calle Mejia, No. 122, Santa Fe, New Mexico 87501

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REPORTER'S CERTIFICATE

I, SIDNEY F. MORRISH, a Certified Shorthand Reporter, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me, and the same is a true and correct record of the said proceedings to the best of my knowledge, skill and ability.

i do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 5806

New Mexico Oil Conservation Commission



OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO P. O. BOX 2088 - SANTA FE 87501

DIRECTOR
JOE D. RAMEY

PHIL R. LUCERO December 6, 1976



EMERY C. ARNOLD

Mr. Jason Kellahin Kellahin & Fox Attorneys at Law Post Office Box 1769 Santa Fe, New Mexico Re: CASE NO. 5806 ORDER NO. R-5328

Applicant:

Anadarko Production Co.

Dear Sir:

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

Yours very truly,

JOE D. RAMEY

Director

JDR/fd

Copy of order also sent to:

Hobbs OCC X
Artesia OCC X
Aztec OCC

Other____

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. 5806 Order No. R-5328

APPLICATION OF ANADARKO PRODUCTION COMPANY FOR TWO UNORTHODOX WELL LOCATIONS, EDDY COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on November 10, 1976, at Santa Fe, New Mexico, before Examiner Richard L. Stamets

NOW, on this 30th day of November, 1976, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Anadarko Production Company, seeks approval of two unorthodox well locations for its Artesia State Unit Tract 9 Well No. 5 to be drilled 1270 feet from the North line and 50 feet from the East line of Section 23 and its Artesia State Unit Tract 2 Well No. 3 to be drilled 50 feet from the South line and 1270 feet from the West line of Section 13, both in Township 18 South, Range 27 East, Artesia Queen-Grayburg-San Andres Pool, Eddy County, New Mexico.
- (3) That wells at said unorthodox locations will better enable applicant to prevent oil from being swept outside its Artesia State Unit Waterflood project.
- (4) That no offset operator objected to the proposed unorthodox location.
- (5) That approval of the subject application will afford the applicant the opportunity to produce its just and equitable share of the oil in the subject pool, will prevent the economic loss caused by the drilling of unnecessary wells, avoid the augmentation of risk arising from the drilling of an excessive

-2-Case No. 5806 Order No. R-5328

number of wells, and will otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

- (1) That two unorthodox well locations for applicant's Artesia State Unit Tract 9 Well No. 5 to be drilled 1270 feet from the North line and 50 feet from the East line of Section 23 and its Artesia State Unit Tract 2 Well No. 3 to be drilled 50 feet from the South line and 1270 feet from the West line of Section 13, both in Township 18 South, Range 27 East, Artesia Queen-Grayburg-San Andres Pool, Eddy County, New Mexico, are hereby approved.
- (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

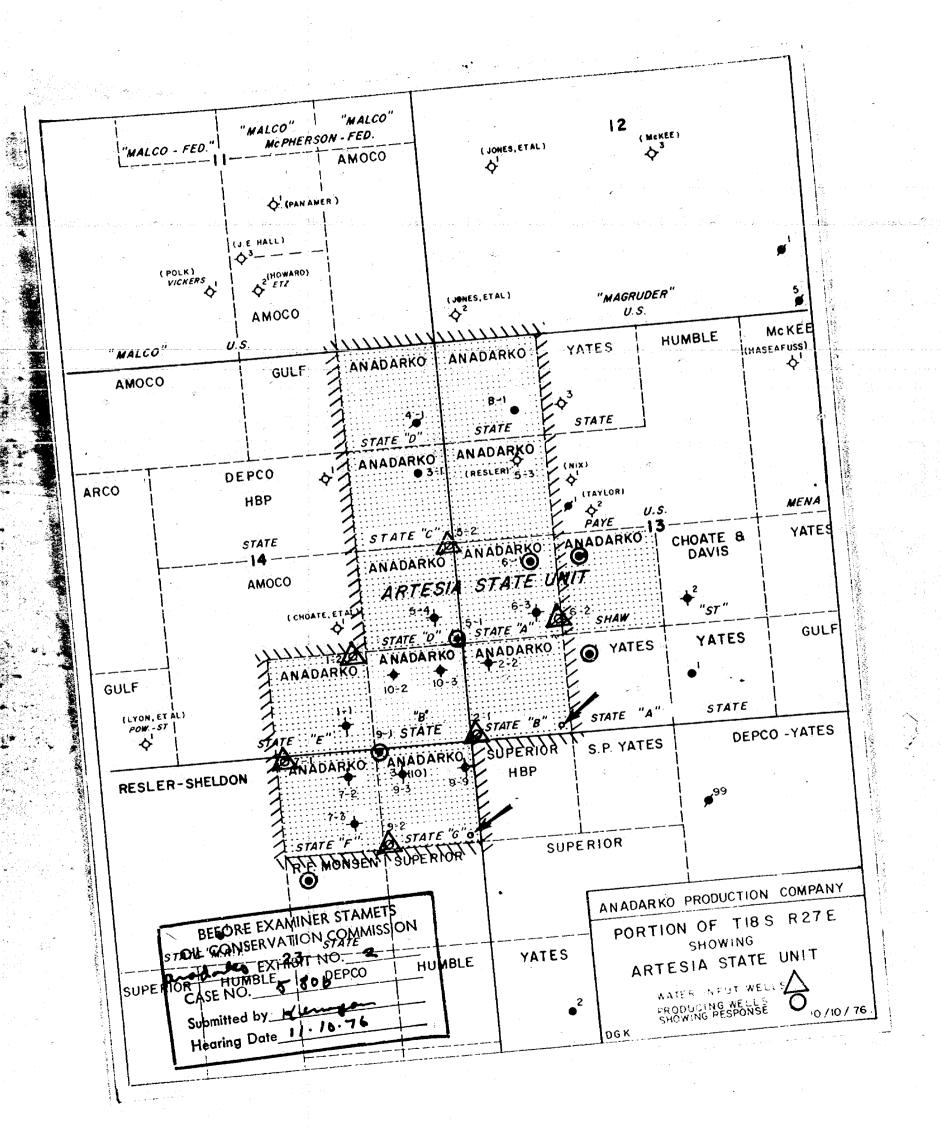
PHIL R. LUCERO, Chairman

MERK C. ARNOLD Member

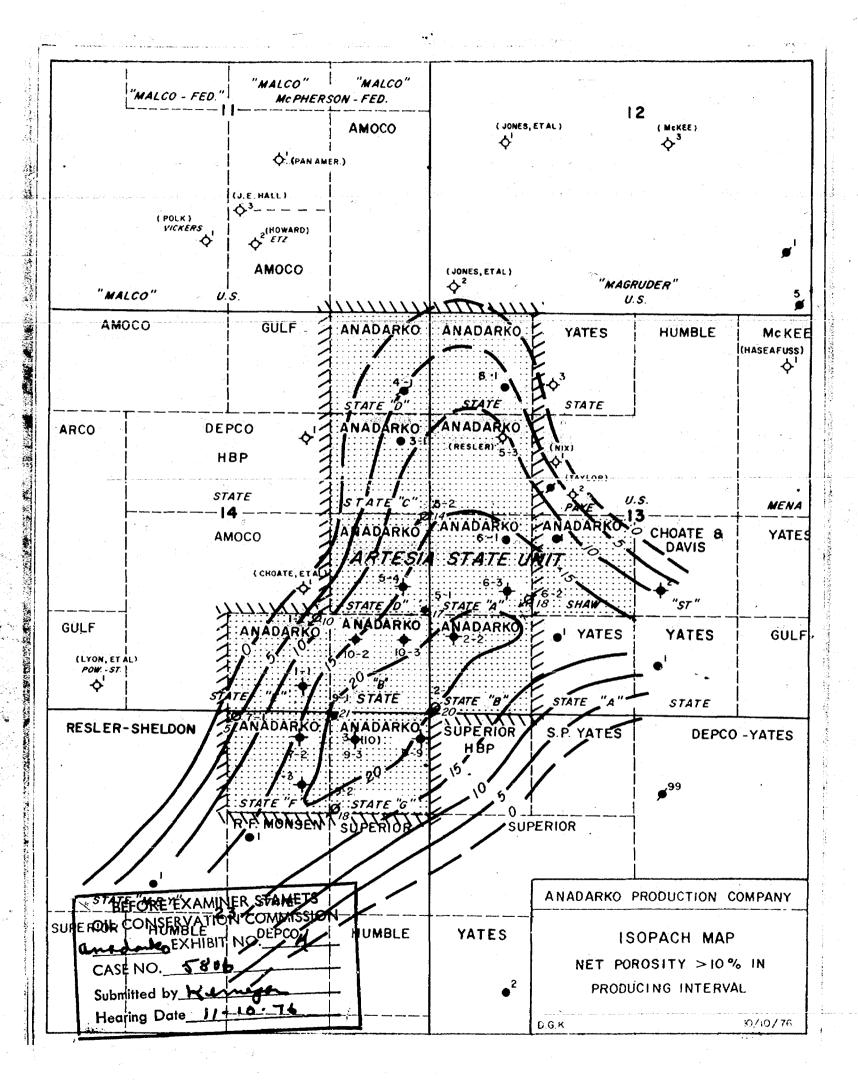
JOE D. RAMEY, Member & Secretary

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OIL CONSERVATION COMMISSION ANADARKO PRODUCTION COMPANY SUPE RIORASEINABLE & BEPCO HUNBLE YATES STRUCTURE MAP Submitted by King TOP OF GRAYBURG Hearing Date 1 10/10/76 D.G K



ARTESIA QUEEN GSA FIELD

Eddy County, New Mexico

BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION

dale EXHIBIT NO.

CASE NO. 5 80 6.

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FIELD: ARTESIA QUEEN GRAYBRUG LEASE/UNIT: N. STATE 1-G OPERATOR: Reuben F. Momsen BEFORE EXAMINER STAMETS
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FIELD: ARTESIA QUEEN GRAYBURG

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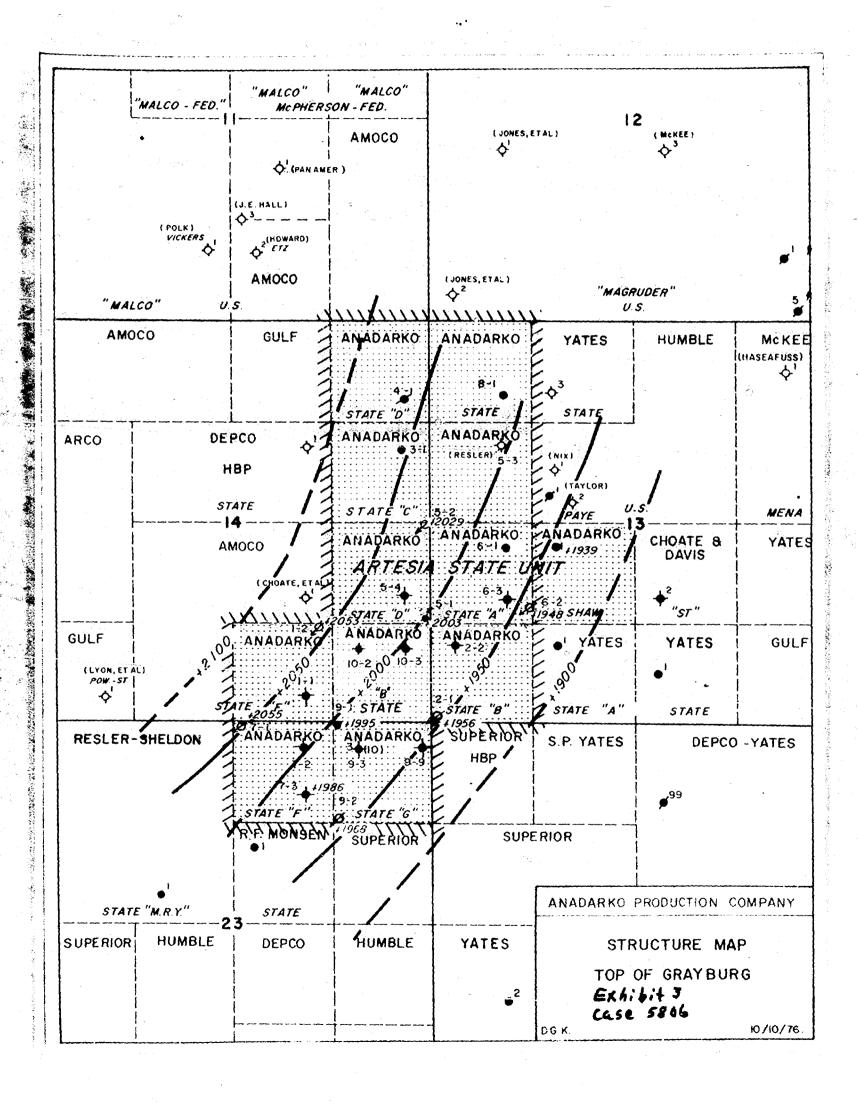
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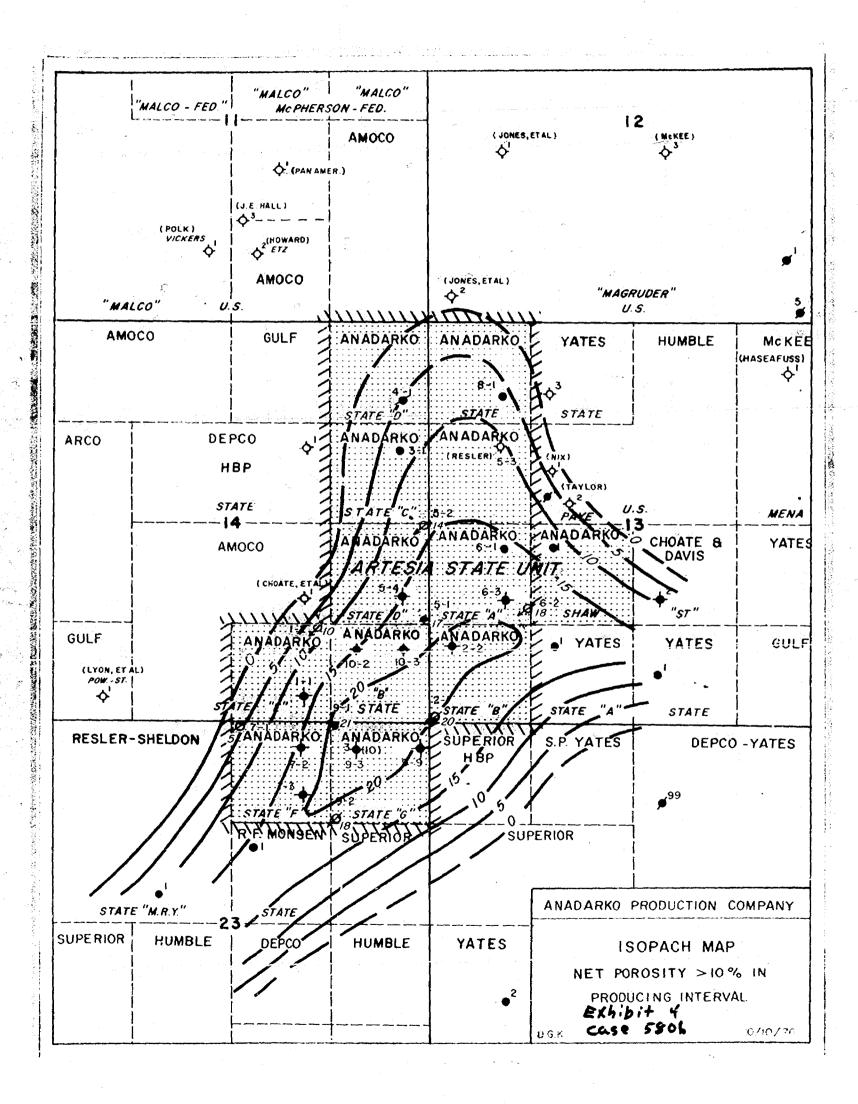
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"MALCO" MALCO" MOPHERSON - FED. AMOCO (JONES, ETAL) ... (PAN AHER) (JONES, ETAL) AMOCO "MAGRUDER" "MALCO" **AMOCO** ANADARKO **GULF** ANADARKO HUMBLE **YATES** (HASEAFUSS) STATE STATE ANADARKO ANADARKO DEPCO ARCO HBP STATE STATE "C" MENA CHOATE & YATE **AMOCO** DAVIS ARTESIA STATE UNIT ANADARKO YATES GULF YATES **GULF** → 10-2 19-3 (LYON, ET AL) STATE RESLER-SHELDON S.P. YATES **DEPCO - YATES** SUPERIOR ANADARKO PRODUCTION COMPANY STATE PORTION OF TIBS R27E SUPERIOR HUMBLE HUMBLE YATES **DEPCO** SHOWING ARTESIA STATE UNIT WATER INPUT WELLS PRODUCING WELLS SHOWING RESPONSE

Xa.





ARTESIA QUEEN GSA FIELD

Eddy County, New Mexico

		ANADARKO PRODU Λrtesia St			R. Momsen	Yates Drlg. Co.
Month/Year	Well #5-1 14-185-27E Oil Wtr	Well #6-1 13-185-27E Oil Wtr	Well #9-1 23-185-27E Oil Wtr	Shaw #1 13-185-27E Oil Wtr	N. State #1-G 23-18S-23E Oil Wtr	M Y #1-N 13-185-27E Oil Wtr
Jan 1974 Feb		6 - 25 -		46 - 42 -	52 - 67 -	
Mar Apr	·_ ·_ ·_ ·_	24 - 20 -		47 - 52 -	87 - 29 -	
May June		18 - 26 -		50 - 35 -	48 - 40 -	
July Aug Sept Oct		30 - 9 - 27 -		49 - 51 - 22 - 33 -	13 - 84 - 39 - 39 -	
Nov Dec Total		3 - 19 - 207 -		52 - 524 -	81 - 55 10 634 10	-
Jan 1975 Feb Mar Apr May June July Aug Sept Oct		51 - 35 - TA - 6 - 31 -		50 - 58 - 61 - 56 - 53 - 45 - 68 - 62 - 64 -	78 - 76 - 55 - 69 10 71 - 65 10 67 10 62 10 68 -	61 20 44 20 55 20 45 20 80 20 52 20 63 20 57 20 68 20 170 20
Nov Dec Total	151 440 203 1080 689 2080	27 - 38 - 188 -	160 440 212 760 711 1780	40 - 123 - 745 -	76 - 63 10 823 60	334 20 643 20 1672 240
Jan 1976 Feb Mar Apr May June July Aug Sept	308 1856 654 2168 1312 2515 1736 3384 2163 3327 2791 2292 2448 2046 1918 1980 1993 1980 15323 21548	384 - 661 130 624 539 582 570 683 600 516 2975 301 3004 64 3100 32 1100 3867 12018	183 1455 281 1566 191 3558 150 3051 272 3100 298 3000 509 2700 963 3100 981 3000 3828 24530	320 - 391 - 779 - 970 - 1592 - 1553 - 1607 - 1439 - 927 - 9578 -	75 - 85 - 153 10 109 - 143 - 132 - 115 15 138 - 41 - 991 25	704 20 770 20 723 20 730 20 798 20 685 20 771 20 489 20 626 20 6296 180

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ACCT. CODE NO.

FIELD: ARTESIA QUEEN GSA OPERATOR: LEASE/UNIT: ARTESIA STATE UT NO. WELLS: # 6-1 CO./PH. FDDY LOCATION: 19.75 19.76 19.77 19.

LEASE NAME

ACCT. CODE NO.

WELL NO.

FIELD: ARTESIA QUEEN GSA RESERVOIR: STATE: NM LEASE/UNIT: ARTESIA STATE UT NO. WELLS: # 9-1 со./рн. <u>EDDY</u>

ACCT. CODE NO. LEASE NAME WELL NO. 9-1

FIELD: ARTESIA QUEEN GSA STATE: NM LEASE/UNIT: ARTESIA STATE UT OPERATOR: Offset Well APC NO. WELLS: CO./PH. EDDY

LEASE NAME

ACCT CODE NO

FIELD: ARTESIA QUEEN GRAYBRUG STATE: NM RESERVOIR: LEASE/UNIT: N. STATE 1-G OPERATOR: Reuben F. Momsen NO. WELLS:

WELL NO.

LEASE NAME

ACCT. CODE NO.

FIELD: ARTESIA QUEEN GRAYBURG ACCT. CODE NO. LEASE NAME CASE 5805: Application of Morris R. Antweil for compulsory pooling and an unorthodox location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Wolfcamp and Morrow formations underlying the N/2 of Section 3, Township 22 South, Range 26 Fast, Eddy County, New Mexico, to be dedicated to a well to be drilled at an unorthodox location in Unit G of said Section 3. 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. Also to be considered will be the designation of applicant as operator of the well and a charge for risk involved in drilling said well.

CASE 5806:

Application of Anadarko Production Company for two unorthodox well locations, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox locations of its Artesia State Unit Well No. 9-5 to be drilled 1270 feet from the North line and 50 feet from the East line of Section 23 and its Artesia State Unit Well No. 2-3 to be drilled 50 feet from the South line and 1270 feet from the West line of Section 13, both in Township 18 South, Range 27 Fast, Artesia Queen-Grayburg-San Andres Pool, Eddy County, New Mexico.

CASE 5797: Application of C&k Petroleum, Inc. for a unit agreement, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Dallas Ranch Unit Area comprising 5746 acres, more or less, of State, Federal, and fee lands in Township 9 South, Range 26 East, Chaves County, New Mexico.

CASE 5807: Application of C&K Petroleum, Inc., for compulsory pooling and a non-standard unit, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Wolfcamp and Pennsylvanian formations underlying the N/2 of Section 13, Township 22 South, Range 26 East, South Carlsbad Field, Eddy County, New Mexico, to form a non-standard 336.6-acre unit to be dedicated to a well located 1680 feet from the North line and 1980 feet from the East line of said Section 13. 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. Also to be considered will be the designation of applicant as operator of the well and a charge for risk involved in drilling said well.

CASE 5808: Application of C&K Petroleum, Inc., for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests from the surface down to and including the Pennsylvanian formation underlying the SE/4 SE/4, NE/4 SE/4, NM/4 SE/4, and SW/4 SE/4 of Section 21, Township 16 South, Range 37 East, Lea County, New Mexico, to form four 40-acre oil proration units, the first to be dedicated to a well to be drilled at a point 660 feet from the South and East line of said Section 21 to test the Strawn formation and each of the others to a well subsequently drilled 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. Also to be considered will be the designation of applicant as operator of the wells and a charge for risk involved in drilling said wells.

CASE 5785: (Continued from October 27, 1976 Examiner Hearing)

Application of Doyle Hartman for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Seven Rivers-Queen formation underlying the NE/4 NE/4, NY/4 NE/4, SW/4 NE/4, and SE/4 NE/4 of Section 19, Township 24 South, Range 37 Fast, Langlie-Nattix Pool, Lea County, New Mexico, to form four 40-acre proration units to be dedicated to four oil wells to be drilled at standard locations on said tracts. 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. Also to be considered will be the designation of applicant as operator of the wells and a charge for risk involved in drilling said wells.

Application of Dome Petroleum Corporation for pool creation and assignment of a discovery allowable, McKinley County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new oil pool for Entrada production and the assignment of approximately 58,770 barrels of oil discovery allowable to the discovery well, being the Federal 21 Well No. 1 located in Unit K of Section 21, Township 20 North, Range 5 West, McKinley County, Mex Mexico.

CASE 5776: (Continued from October 27, 1976, Fxaminer Hearing)

Application of Continental Cil Company for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its James Ranch Unit Well No. 8 to be drilled at a point 1980 feet from the North line and 660 feet from the West line of Section 31, Township 22 South, Range 31 East, Los Medanos-Morrow Gas Pool, Eddy County, New Mexico, the N/2 of said Section 31 to be dedicated to the well.

Docket No. 31-76

Dockets Nos. 32-76 and 33-76 are tentatively set for hearing on November 23 and December 15, 1976. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - NOVEMBER 10, 1976

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

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

- ALLOWABLE: (1) Consideration of the allowable production of gas for December, 1976, from seventeen prorated pools in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico.
 - (2) Consideration of the allowable production of gas for December, 1976, from four prorated pools in San Juan, Rio Arriba, and Sandoval Counties, New Mexico.
- CASE-5796: In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit Hixon Development Company, National Surety Corporation, and all other interested parties to appear and show cause why the Central Bisti Unit Wells Nos. 41, 46, 47, 49 and 50 located in Units D, I, K, M, and O, respectively, of Section 16, Township 25 North, Range 12 West, Bisti-Lower Callup Pool, San Juan County, New Mexico, should not be plugged and abandoned in accordance with a Commission-approved plugging program.
- CASE 5798: Application of Exxon Corporation for a unit agreement, Sierra and Dona Ana Counties, New Mexico.

 Applicant, in the above-styled cause, seeks approval for the Prisor Unit Area comprising 24,910 acres, more or less, of State, Federal, and fee lands in Townships 16 and 17 South, Ranges 1 Fast and 1 West, Sierra and Dona Ana Counties, New Mexico.
- CASE 5799: Application of Gulf Oil Corporation for an unorthodox gas well location and a non-standard proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for a 160-acre non-standard proration unit comprising the NE/4 SW/4 and W/2 SE/4 of Section 28 and the NW/4 NE/4 of Section 33, Township 21 South, Range 37 East, Tubb Gas Pool, Lea County, New Mexico, to be dedicated to applicant's J. N. Carson Well No. 9 located at an unorthodox location 1874 feet from the South line and 2086 feet from the West line of said Section 28.
- CASE 5809: Application of Gulf Oil Corporation for downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to commingle Drinkard, Tubb, and Blinebry production in the wellbore of its Manda "B" Well No. 1, located in Unit C of Section 28, Township 22 South, Range 37 East, Lea County, New Mexico.
- Application of Yates Petroleum Corporation for salt water disposal well, Eddy County, New Mexico.

 Applicant, in the above-styled cause, seeks authority to dispose of produced salt vater into the Morrow formation through the perforated interval from 8983 feet to 9129 feet in its Bob Gushwa Well No. 1 located in Unit J of Section 21, Township 18 South, Range 26 East, Atoka-Pennsylvanian Gas Pool, Eddy County, New Mexico.
- CASE 5801: Application of Atlantic Richfield Company for a non-standard proration unit and simultaneous dedication, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for a 275-acre non-standard gas proration unit comprising the W/2 E/2, N/2 NM/4, and SF/4 NW/4 of Section 19, Tornship 21 South, Range 36 Fast, Fumont Gas Pool, Lea County, New Mexico, to be simultaneously dedicated to applicant's State 176 Wells Nos. 3 and 6 located, at unorthodox locations in Units J and C, respectively, of said Section 19.
- Application of El Paso Natural Gas Company for downhole commingling, Rio Arriba County, New Mexico.

 Applicant, in the above-styled cause, seeks authority to commingle South Blanco-Pictured Cliffs and Blanco Mesaverde production in the wellbore of its San Juan 23-7 Unit Well No. 75 located in Unit L of Section 15, Township 28 North, Range 7 West, Rio Arriba County, New Mexico.
- CASE 5803: Application of El PamCo., Inc., for downhole commingling and simultaneous dedication, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks authority to commingle Fruitland and Pictured Cliffs gas production in the wellbore of its Valdez "A" Well No. 1, located in Unit P of Section 24, Township 29 North, Range 11 West, San Juan County, New Mexico. Applicant further seeks approval for the simultaneous dedication of the SE/4 of said Section 24 to said well and its Valdez Well No. 1 located in Unit I of said Section 24.
- CASE 5804: Application of Stevens 0il Company for a dual completion, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its O'Brien "C" Well No. 2 located in Unit D of Section 1, Township 9 South, Range 28 Fast, Chaves County, New Mexico, to produce oil from the San Andres and Devonian formations through parallel strings of tubing.

Care 5806 KELLAHIN AND FOX ATTORNEYS AT LAW BOO DON GASPAR AVENUE POST OFFICE BOX 1789 JASON W. KELLAHIN ROBERT E. FOX W. THOMAS KELLAHIN SANTA FE, NEW MEXICO 87501 TECEPHONE 982-4315 AREA CODE BOS October 18, 1976 Mr. Joe Ramey, Secretary-Director New Mexico Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87501 Dear Mr. Ramey: Please find enclosed the original and two copies of the application of Anadarko Production Company for two unorthodox well locations, Eddy County, New Mexico. We would appreciate this being set for the November 10th hearing. Yours very truly, ason W. Kellahin CC: Mr. Dan Kernaghan Mr. Irley Bonnette JWK:kjf Enclosure

BEFORE THE

OIL CONSERVATION COMMISSION OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF ANADARKO PRODUCTION COMPANY FOR TWO UNORTHODOX WELL LOCATIONS, EDDY COUNTY, NEW MEXICO

APPLICATION

Comes now Aradarko Production Company and applies to the Oil Conservation Commission of New Mexico for approval of unorthodox well locations for two wells in its Artesia State Unit, Eddy County, New Mexico, and support thereof would show the Commission:

- 1. Applicant is the operator of the Artesia State Unit, and proposes to drill two protective wells, as follows:
 - a. The Artesia State Unit No. 9-5 well, to be drilled 1270 feet from the North line and 50 feet from the East line of Section 23, Township 18 South, Range 27 East, N.M.P.M.
 - b. The Artesia State Unit No. 2-3 Unit No. 2-3 Well, to be drilled 50 feet from the South line, and 1270 feet from the West line of Section 13, Township 18 South, Range 27 East, N.M.P.M.
- 2. The proposed wells are necessary to prevent unit oil from being displaced across lease lines, and to insure efficient and economical operation of the secondary recovery project.
- 3. Attached is a plat showing the unit outline, offsetting wells, and the proposed unorthodox well locations.

WHEREFORE applicant prays that this application be set for hearing before the Commission or the Commission's duly appointed examiner, and that after notice and hearing as required by law, the Commission enter its order approving the unorthodox well locations as requested.

Respectfully submitted,
ANADARKO PRODUCTION COMPANY

Rellahin & Fox
P. 0. Box 1769
Santa Fe, New Mexico 87501

Attorneys for Applicant

Case 5806 "MALCO" MALCO" MALCO - FED." McPHERSON - FED. AMOCO (JONES, ETAL) O (PANAMER) AMOCO (JONES, ETAL) "MAGRUDER" U.S. ANADARKO AMOCO ANADARKO GULF HUMBLE MCKEE YATES (HASEAFUSS) ANADARKO ANADARKO DEPCO ARCO HBP OTAYLOR)

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PAYE STATE STATE "C" MENA ANADARKO ANADARKO ANADARKO CHOATE & YATES **AMOCO** DAVIS ARTESIA STATE UNIT ANADARKO ANADARKO **GULF** ANADARKO YATES GULF **♦ ♦** 10-3 (LYON, ET AL) "B" 9~): STATE STATE "A" STATE "A" STATE S.P. YATES RESLER-SHELDON **DEPCO -YATES** 9-2 9-5 Ø STATE GOV RIA MONDEN TSUPERIOR SUPERIOR ANADARKO PRODUCTION COMPANY STATE SUPERIOR HUMBLE HUMBLE **YATES** DEPCO LAND PLAT UNIT OUTLINE YALL 10/10/76

BEFORE THE

OIL CONSERVATION COMMISSION OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF ANADARKO PRODUCTION COMPANY FOR TWO UNORTHODOX WELL LOCATIONS, EDDY COUNTY, NEW MEXICO

APPLICATION

Comes now Anadarko Production Company and applies to the Oil Conservation Commission of New Mexico for approval of unorthodox well locations for two wells in its Artesia State Unit, Eddy County, New Mexico, and support thereof would show the Commission:

- 1. Applicant is the operator of the Artesia State Unit, and proposes to drill two protective wells, as follows:
 - a. The Artesia State Unit No. 9-5 well, to be drilled 1270 feet from the North line and 50 feet from the East line of Section 23, Township 18 South, Range 27 East, N.M.P.M.
 - b. The Artesia State Unit No. 2-3 Unit No. 2-3 Well, to be drilled 50 feet from the South line, and 1270 feet from the West line of Section 13, Township 18 South, Range 27 East, N.M.P.M.
- 2. The proposed wells are necessary to prevent unit oil from being displaced across lease lines, and to insure efficient and economical operation of the secondary recovery project.
- 3. Attached is a plat showing the unit outline, offsetting wells, and the proposed unorthodox well locations.

WHEREFORE applicant prays that this application be set for hearing before the Commission or the Commission's duly appointed examiner, and that after notice and hearing as required by law, the Commission enter its order approving the unorthodox well locations as requested.

Respectfully submitted,
ANADARKO PRODUCTION COMPANY

ke lahin & Fox
P. O. Box 1769
Santa Fe, New Mexico 87501

Attorneys for Applicant

Case 5706 "MALCO" MALCO - FED. MCPHERSON - FED. AMOCO (JONES, ETAL) O (PANEMER) AMOCO (JONES, ETAL) "MAGRUDER" "MALCO" AMOCO GULF ANADARKO ANADARKO: HUMBLE YATES (HASEAFUSS) STATE "D" ANADARKO ANADARKO DEPCO ARCO нвр STATE MENA ANADARKO ANADARKO ANADARKO. CHOATE 8 YATES AMOCO ARTESIA STATE UNIT ANADARKO ANADARKO GULF A YATES YATES GULF 10-2 10-3 "B" STATE "A" STATE SP YATES ANADARKO ANADARKO DEPCO -YATES RESLER-SHELDON SUPERIOR -ANADARKO PRIDUCTION COMPANY HUMBLE HUMBLE YATES SUPERIOR DEPCO - LAND PLAT JACT OUTLINE SALL **o**²

BEFORE THE

OIL CONSERVATION COMMISSION OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF ANADARKO PRODUCTION COMPANY FOR TWO UNORTHODOX WELL LOCATIONS, EDDY COUNTY, NEW MEXICO

APPLICATION

Comes now Anadarko Production Company and applies to the Oil Conservation Commission of New Mexico for approval of unorthodox well locations for two wells in its Artesia State Unit, Eddy County, New Mexico, and support thereof would show the Commission:

- 1. Applicant is the operator of the Artesia State Unit, and proposes to drill two protective wells, as follows:
 - a. The Artesia State Unit No. 9-5 well, to be drilled 1270 feet from the North line and 50 feet from the East line of Section 23, Township 18 South, Range 27 East, N.M.P.M.
 - b. The Artesia State Unit No. 2-3 Unit No. 2-3 Well, to be drilled 50 feet from the South line, and 1270 feet from the West line of Section 13, Township 18 South, Range 27 East, N.M.P.M.
- 2. The proposed wells are necessary to prevent unit oil from being displaced across lease lines, and to insure efficient and economical operation of the secondary recovery project.
- 3. Attached is a plat showing the unit outline, offsetting wells, and the proposed unorthodox well locations.

WHEREFORE applicant prays that this application be set for hearing before the Commission or the Commission's duly appointed examiner, and that after notice and hearing as required by law, the Commission enter its order approving the unorthodox well locations as requested.

Respectfully submitted, ANADARKO PRODUCTION COMPANY

P. O. Box 1769 Santa Fe, New Mexico 87501

Attorneys for Applicant

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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:

SI

CASE NO. 5806

Order No. R- 5328

APPLICATION OF ANADARKO PRODUCTION COMPANY FOR TWO UNORTHODOX WELL LOCATIONS, EDDY COUNTY, NEW MEXICO.

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ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on November 10 , 19 76 , at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this <u>day of November</u>, 1976, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- approval of two unorthodox well locations for its Artesia State Unit Well No. 5 to be drilled 1270 feet from the North line and 50 feet from the East line of Section 23 and its Artesia State Unit Well No. 5 to be drilled 50 feet from the South line and 1270 feet from the West line of Section 13, both in Township 18 South, Range 27 East, Artesia Queen-Grayburg-San Andres Pool, Eddy County, New Mexico.

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-2-Case No. 5806 Order No. R-

(3) That the ____ of said Section 23 and the ____ of aid Section 13 are to be dedicated to the above described wells.

- enable applicant to produce the oil underlying the proration unit.
- (*) That no offset operator objected to the proposed unorthodox location.
- (5) That approval of the subject application will afford the applicant the opportunity to produce its just and equitable share of the oil in the subject pool, will prevent the economic loss caused by the drilling of unnecessary wells, avoid the augmentation of risk arising from the drilling of an excessive number of wells, and will otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

Artesia State Unit Well No. 5 to be drilled 1270 feet from the North line and 50 feet from the East line of Section 23 and its Artesia State Unit Well No. 3 to be drilled 50 feet from the South line and 1270 feet from the West line of Section 13, both in Township 18 South, Range 27 East, Artesia Queen-Grayburg-San Andres Pool, Eddy County, New Mexico, are hereby approved.

2) That the _____ of said Section 23 and _____ of said Section 13 shall be dedicated to the above-described wells.

(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.