

CASE 2417: Application of SCANLON
ENGR. CO. for an order fixing the
spacing of wells - McKinley County.

*Please give copy of
to order
women closure*

Case No.

2417

Large Exhibits

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
October 25, 1961

EXAMINER HEARING

CASE 2417

TRANSCRIPT OF HEARING

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO



DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

ALBUQUERQUE, N. M.
PHONE 243-6631

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
October 25, 1961

EXAMINER HEARING

IN THE MATTER OF:)

Application of Scanlon Engineering)
Company for an order fixing the spac-)
ing of wells, McKinley County, New)
Mexico. Applicant, in the above-)
styled cause, seeks an order fixing)
the spacing of wells producing from)
the Mesaverde formation in Sections)
21, 22 and 27, all in Township 20)
North, Range 9 West, McKinley County,)
New Mexico. Applicant recommends the)
establishment of two and one-half acre)
well spacing.)

CASE 2417

BEFORE: Mr. Daniel S. Nutter, Examiner

TRANSCRIPT OF HEARING

MR. NUTTER: The hearing will come to order, please.
We have already called Case 2417 and the witness has been sworn.

MR. COOLEY: William J. Cooley, Verity, Burr and Cooley,
Farmington, New Mexico appearing on behalf of the applicant.

R. J. SCANLON

called as a witness, having been previously sworn, testified as
follows:



DIRECT EXAMINATION

BY MR. COOLEY:

Q Would you state your full name for the Commission, please?

A R. J. Scanlon.

Q What is your connection with the Scanlon Engineering Company?

A I am the owner of the Scanlon Engineering Company.

Q Do you have any leasehold interest in Sections 21, 22 and 27, Township 20 North, Range 9 West?

A I do.

Q Would you please describe those interests?

A In 21 would be the Southeast one-quarter and the South half of the Northeast one-quarter, that is in 21. Now, in 22 would be the South half of the Northwest one-quarter, the Southwest one-quarter, and in Section 27 would be the North half of the Northwest one-quarter.

Q Have you conducted any oil exploration activities in that area?

A We have.

Q What has been your experience?

A We have drilled one well 330 feet from the Southeast corner of that said Section 21, and it will be 330 from the East

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and 330 from the South. We've drilled another well 660 feet from the South line and 330 feet from the East line, and we have spudded a third well 990 feet from the South line and 330 from the East line in that same section.

Q What formations are these wells completed in?

A The surface formation is the Mesaverde, and the production is from the Mesaverde.

Q You mean the Mesaverde formation is cropping out there?

A Right.

Q And you are completed in a lower member of the Mesaverde?

A Right.

Q What have you encountered in the lower member of the Mesaverde?

A We have drilled into a lenticular sand there that appears to be fairly promising, and we think that we can complete some wells in that shallow formation at about 325 feet that will produce anywhere from 10 to 20 barrels of oil per day.

Q What is the approximate cost of drilling all these wells, Mr. Scanlon?

A Without casing, about one hundred fifty to two hundred dollars.

Q What is the approximate cost of a completed well?



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A Between eight hundred and a thousand dollars.

Q Is there any other production from this particular member of the Mesaverde formation in the area?

A No.

Q What difficulties have you encountered with this particular sand that you are drilling to?

A Well, our experience has been in that area, we have drilled other wells in there, and we have had three dry holes. Now, it appears that the sand formation from which we are producing these wells that we've completed is not uniform throughout the area, it's lenticular, and it's a matter of hunt and peck and just drill a hole and find them. The geology is out. I mean there is no geology on the area. We just have to drill a hole and hope we hit.

Q Due to the low cost of drilling such holes, you feel it's economically feasible to do so?

A I sure do.

Q How close have you drilled dry holes to these producing wells that you have?

A Well, we have one dry hole 660 feet away from our good producing well.

Q In what quarter quarter section is that?

A That would still be in the Southeast Southeast of 21.



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Q Would you give the footage location?

A That would be 990 from the East line and 330 from the South line.

Q Is it your opinion, then, that due to the sporadic appearance and disappearance of this sand, that you should have additional freedom to drill to seek out this producing formation?

A I do.

Q To what extent do you feel that the Commission rules should be relaxed to permit you this freedom?

A Well, the Commission rules at present say that we can not drill within 330 feet of any subdivision line, and that the wells have to be spaced 660 feet apart.

Q What modifications would you suggest, then?

A Well, within a 40-acre subdivision, I feel that we should be permitted to drill a well within 330 feet of another well and not closer than 165 feet from any subdivision line.

Q Do you feel that this will afford you the freedom that you feel is required to accomplish the desired end?

A I do.

Q If you are permitted this freedom, do you feel that it will result in the production of additional oil from this area?

A I certainly do.

Q Are there any other pool rules in the State of New



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Mexico similar to those proposed by you?

A The special rules and regulations for the Shiprock-Gallup Oil Pool.

Q Do you feel that any waste would be incident to this relaxation of the rules that you propose?

A Not a bit.

Q Would the correlative rights of any operator or royalty owner be affected thereby?

A Not a bit, in my opinion.

Q Do you own additional leasehold acreage in this area?

A I do.

Q Do you feel that the possible productivity might extend beyond the area that you have referred to in this application?

A I do.

Q Do you think that the rules, if they are established for this area, should be so arranged as to permit the extension of the area covered thereby?

A I do.

Q Would the same circumstances apply if this sand does occur outside the area you have discussed?

A They would.

MR. COOLEY: No further questions.



MR. NUTTER: Any questions?

MR. MORRIS: Yes, sir.

MR. NUTTER: Mr. Morris.

CROSS EXAMINATION

BY MR. MORRIS:

Q Mr. Scanlon, with respect to the point you just raised as to expansion of this area, would you contemplate that your expansion would be in 40-acre blocks or 80-acre blocks, or 160-acre blocks, what would be your normal expectation as to the additional acreage that you might have reason to believe is productive as you stepped out?

A I anticipate that the extension will go to the South into Section 28, and probably we'll move out in 80-acre blocks; in other words, we'll develop an 80 and then see what it looks like and then move South.

Q If the Commission should establish a procedure whereby you could add 80-acre blocks at a time by administrative procedure to the area to be covered by the rules that the Commission would lay down following this case, would that be satisfactory to you?

A It would, surely would.

Q Now, I missed your exact proposal, are you still recommending two and a half acre spacing in this area or are you

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just recommending that the Commission allow flexible well spacing?

A Well, in view of the fact by what we've found by our drilling to date, rather than the Commission recommending two and a half acre spacing, we would like to have a flexible drilling deal whereby we could drill within 300, I mean of a well 330 feet from another well, but not any closer than 165 feet from any subdivision line.

Q You aren't asking for any increased allowable for a 40-acre unit?

A No.

MR. MORRIS: Thank you.

BY MR. NUTTER:

Q Has the Oil Conservation Commission created or designated a pool for this area yet?

A They have not, to my knowledge.

Q However, there has been an actual discovery made?

A Right. We have an allowable allowed on one well right now of 17 barrels a day.

Q What is the name of that well?

A The Santa Fe Railroad No. 3.

MR. COOLEY: Scanlon Engineering Company?

A No, actually Scanlon Engineering is a misnomer on that, I wrote that on my stationery, but it's in the name of Scanlon-



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Shepard.

Q Scanlon-Shepard?

A The Santa Fe Railroad No. 3 Well.

Q Is that S-h-e-p-a-r-d?

A Right.

Q What is the location of that well?

A 330 from the East and 330 from the South.

Q Of Section 21?

A 21, 20 North, 9 West.

Q That well has an allowable of 17 barrels per day?

A Right.

Q What depth is that well completed at?

A 316 feet.

Q What was the date that the first oil was run to tanks on that well?

A I think it was September 4th.

Q Of 1961?

A Right, we produced 500 barrels from that well.

Q Do you have any suggestion for a name for a pool from this area, Mr. Scanlon?

A The Red Mountain-Mesaverde Oil Pool.

Q I believe we have a Red Mountain.

MR. COOLEY: A Red Mountain is in existence in Sec-



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tion 20.

A The Red Mountain, Henry Birdeye-Chaco Oil Company has the waterflood deal a mile and a half away. They are producing from the Mesaverde also, but they are at about 450 feet and we are at 316, 325.

MR. MORRIS: There's already a Red Mountain-Mesaverde.

A Any name would be satisfactory.

MR. NUTTER: Does anyone have any further questions of Mr. Scanlon?

BY MR. PORTER:

Q Mr. Scanlon, you aren't requesting that any exception to the rule, which would limit each 40-acre unit here, to a normal unit allowable?

A No.

MR. PORTER: Mr. Morris, I would like to ask you a question in regard to your line of questioning concerning the expansion of the pool, whether it be in 40 or 80-acre blocks. Are you suggesting that there be an exception to the statewide rule which states that the wells within a mile of a pool shall be drilled, spaced and prorated in accordance with the nearest pool?

MR. MORRIS: No, sir, if the Commission establishes a pool in this area, then this pool will be governed by the normal



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rules and regulations of the Commission providing that all lands within a mile will be governed by the pool. I didn't know for sure whether the applicant was requesting the establishment of a pool.

MR. PORTER: I see. That's all, then.

MR. MORRIS: I would like to point out for the record that there is presently a Red Mountain-Mesaverde Pool which was established by Order No. R-13 on March 15, 1950. That pool now encompasses in Township 20 North, Range 9 West, McKinley County, New Mexico, Sections 20, 21, 28 and 29. So that includes some of the acreage included in the application today. It looks like we already have a pool established.

MR. COOLEY: I believe the testimony will reflect that although the names may be the same as proposed by Mr. Scanlon, the actual zone of production is not the same.

MR. NUTTER: It's a different sand?

A They have 41 or 43 gravity oil, and we have 48 and 49. So we know definitely that we're not producing from the same sand.

MR. NUTTER: Is there enough regional dip in the area for the wells to have a difference of 300 feet to 400 some feet if it were the same sand?

A No.

MR. NUTTER: So it has to be another sand body then?



A Right.

MR. COOLEY: What sand member is that that you believe you are producing from?

A No geologist has defined it. However, John Petty in Farmington Chacra.

MR. NUTTER: Are there any further questions of Mr. Scanlon? He may be excused.

(Witness excused.)

MR. NUTTER: Do you have anything further, Mr. Cooley?

MR. COOLEY: No, sir.

MR. NUTTER: Does anyone else have anything further to offer in Case 2417? We will take the case under advisement and call the next Case 2418.

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STATE OF NEW MEXICO)
 : SS
COUNTY OF BERNALILLO)

I, ADA DEARNLEY, Court Reporter, do hereby certify that the foregoing and attached transcript of proceedings before the New Mexico Oil Conservation Commission at Santa Fe, New Mexico, is a true and correct record to the best of my knowledge, skill and ability.


IN WITNESS WHEREOF I have affixed my hand and notarial seal this 31st day of October, 1961.


Notary Public-Court Reporter

My commission expires:

June 19, 1963.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 2417, heard by me on 10/25, 1961.

, Examiner
New Mexico Oil Conservation Commission



2417

SCANLON ENGINEERING CO.

P. O. BOX 601

PH. DA 5-3492

REGISTERED ENGINEERS & LAND SURVEYORS

FARMINGTON, NEW MEXICO

September 27, 1961

Mr. A. L. Porter, Jr.
Secretary & Director
P.O. Box 871
Santa Fe, New Mexico

Dear Sir:

The undersigned has under lease from the Santa Fe Pacific Railroad Company the following described acreage in T20N, R9W, N.M.P.M., McKinley County, New Mexico.

S/2 of SE/4 and S/2 NE/4 of Section 21
N/2 of SW/4 of Section 22

In addition to the above acreage, I have requested a lease on the following acreage and Santa Fe Railroad has reacted favorably to my proposal but as of this date I do not have a signed lease agreement.

N/2 of SE/4 of Section 21
S/2 of SW/4 and S/2 of NW/4 of Section 22
N/2 of NW/4 of Section 27

The above acreage is approximately one and one-half miles from the Chaco Oil Company's Red Mountain lease which is being operated by Henry Birdseye of Albuquerque, New Mexico. Mr. Birdseye is water flooding the old Red Mountain field and his production is coming from the Mesa Verde sands at 470 feet below ground level.

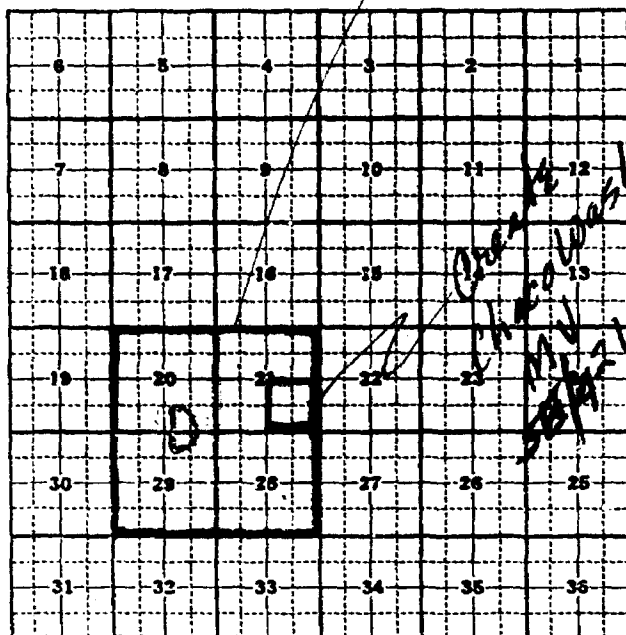
I have drilled several wells on my acreage and it appears that I will be able to complete some small wells in one of the Mesa Verde sands at a depth of 315'-325'. This drilling is being done in an area where, in the 1940's, several wells were drilled and were plugged and abandoned after the small wells went to producing large quantities of water.

In view of the facts presented above, I would like to request a hearing before the Commission to request that the well spacing in this area be established at one well per each $2\frac{1}{2}$ acres. This request is for the shallow wells only. By shallow wells, I mean wells below 1,000 feet in depth. We do not anticipate drilling any wells below 550' and in all probability will not exceed 350' in depth.

Handwritten:
Accepted
10/11/61
[Signature]

Name
Address
Remarks:

Red Mtn
MV to be
contracted
(delete all
of 21+29)



State
T R or County

SCANLON ENGINEERING CO.

P. O. BOX 601

PH. DA 5-3492

REGISTERED ENGINEERS & LAND SURVEYORS

FARMINGTON, NEW MEXICO

I would certainly appreciate it if this hearing could be held at the earliest possible date because we have two rigs in the area and we would like to drill as many of these shallow wells as we can before severe winter weather sets in.

Very truly yours,

R. J. Scanlon

R. J. Scanlon

cc: E. C. Arnold
1000 Rio Brazos Road
Aztec, New Mexico

OIL CONSERVATION COMMISSION
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO

Case File
2417

September 15, 1961

Scanlon & Shepard
Box 601
Farmington, New Mexico

Attn: Mr. R. J. Scanlon

Dear Sir:

We have received Notice of Intention to Drill for your #4 Santa Fe well located in Unit P, Section 21-20N-9W. This is to advise that all operations under the Scanlon & Shepard bond are suspended and a notice of intention to drill will not be approved until such time as you have complied with the rules and regulations regarding past operations under your bond.

Our records indicate that three previous notices had been filed for wells in Section 21. These were the #1, #2, and #3 Santa Fe wells. Miscellaneous notices were filed on the #1 and #2 wells indicating that drilling operations had been performed; however nothing has been filed indicating whether or not the wells were successfully completed or whether it is your intention to plug and abandon them according to Oil Commission rules and regulations. Well Record Form (C-105) has also not been filed on any of the three above-named wells.

As soon as the above matters have been resolved and our files are complete we will consider approval of your notice of intention to drill. In the meantime any drilling operations conducted upon the new location will be in violation of the Oil Conservation Commission rules and regulations and appropriate action will be taken.

Yours very truly

EW:ks

Emery C. Arnold
Supervisor, District #3

cc: Oil Conservation Commission
Santa Fe, New Mexico

**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. 2417
Order No. R-2112**

**APPLICATION OF SCANLON & SHEPARD
FOR THE CREATION OF A NEW OIL POOL
FOR MESAVERDE PRODUCTION IN SECTION
21, TOWNSHIP 20 NORTH, RANGE 9 WEST,
MCKINLEY COUNTY, NEW MEXICO.**

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on October 25, 1961, at Santa Fe, New Mexico, before Daniel S. Nutter, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 1st day of November, 1961, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Nutter, and being fully advised in the premises,

FINDS:

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

(2) That the applicant, Scanlon & Shepard, seeks an order creating a new pool for Mesaverde production comprising the SE/4 of Section 21, Township 20 North, Range 9 West, NMPM, McKinley County, New Mexico, on the basis of a discovery well, the Scanlon and Shepard Santa Fe Railroad Well No. 3, drilled 330 feet from the South line and 330 feet from the East line of said Section 21, completed at a depth of 316 feet on September 4, 1961.

(3) That the applicant proposes that each well drilled in the new pool should be located no nearer than 165 feet to the outer boundary of the quarter-quarter section on which it is located and should be located no nearer than 330 feet to the nearest well capable of producing from the same common source of supply.

(4) That the pool should be named the Chaco Wash-Mesaverde Oil Pool.

(5) That the subject application should be approved.

-2-
CASE No. 2417
Order No. R-2112

IT IS THEREFORE ORDERED:

(1) That a new pool in McKinley County, New Mexico, classified as an oil pool for Mesaverde production is hereby created and designated as the Chaco Wash-Mesaverde Oil Pool, comprising the SE/4 of Section 21, Township 20 North, Range 9 West, NMPM, McKinley County, New Mexico.

(2) That for allowable purposes, the 40-acre proportional factor for pools from 0 to 5000 feet shall apply to said Chaco Wash-Mesaverde Oil Pool, and no 40-acre proration unit shall produce in excess of the 40-acre top unit allowable for wells in the 0 to 5000 feet depth range in Northwest New Mexico.

(3) That each well drilled in the Chaco Wash-Mesaverde Oil Pool shall be located no nearer than 165 feet to the outer boundary of the quarter-quarter section on which it is located and shall be located no nearer than 330 feet to the nearest well capable of producing from the same common source of supply.

(4) 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



E. L. Mechem

EDWIN L. MECHEM, Chairman

E. S. Walker

E. S. WALKER, Member

A. L. Porter, Jr.

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

esr/

State of New Mexico
Oil Conservation Commission



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

November 1, 1961

Re: Case No. 2417
Order No. R-2112
Applicant:
Scanlon & Shepard

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

A. L. Porter, Jr.

Carbon copy of order also sent to:

Hobbs OCC x

Artesia OCC

Aztec OCC x

OTHER

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Date 10/27/61

CASE 2417

Hearing Date 9am 10/25/61
JSN @ SF

My recommendations for an order in the above numbered cases are as follows:

Enter an order creating the Chaco Wash-MV Oil Pool comprising the SE/4 of Sec 21, Twp 20 N, R 9 W, McKinley Co. Discovery well is Scanlon-Shepard Provide Santa Fe Railroad Well # 5, located 330' FSL + 330' FEL Sec 21 T 20 N R 9 W. The well was compl 9-4-61. The depth is 316 feet.

Provide pool rules similar to Shiprock Gallien^{pool} except wells shall be no closer than 330' (rather than 300 as in Shiprock rules) to another well capable of producing from same formation.

Van Meter
SANTA FE

No. 29-61

DOCKET: EXAMINER HEARING - WEDNESDAY - OCTOBER 25, 1961

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

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

Cases 2413 through 2420 will not be heard before 1:00 P.M.

- CASE 2403: In the matter of the hearing called by the Oil Conservation Commission to permit Henry W. Etz, Jr. and all interested parties to appear and show cause why the Rice Andrews Well No. 1, located in Unit C, Section 14, Township 14 South, Range 25 East, Chaves County, New Mexico, should not be replugged in accordance with a Commission-approved plugging program.
- CASE 2404: Application of Continental Oil Company for a 272.38-acre non-standard gas proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the establishment of a 272.38-acre non-standard gas proration unit in the Eumont Gas Pool, comprising Lots 2, 3, 4, 5, 6, 7 and 8 of Section 1, Township 21 South, Range 36 East, Lea County, New Mexico; said unit is to be dedicated to the State F-1 Well No. 6, located 660 feet from the North and West lines of said Section 1.
- CASE 2405: Application of Amerada Petroleum Corporation for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its Ida Wimberly Well No. 11, located in the NW/4 SW/4 of Section 24, Township 25 South, Range 37 East, Lea County, New Mexico, as a dual completion in the Justis-Paddock and Justis-Blinebry Pools, with the production of oil from the Paddock zone to be through a tapered string of tubing of 2 3/8-inch and 2 1/16-inch diameter and the production of oil from the Blinebry zone to be through a tapered string of tubing of 2 3/8-inch and 1-inch diameter.

CASE 2406: Application of Shell Oil Company for an exception to Rule 502-I, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Rule 502-I to increase from 25 percent to 100 percent the daily production tolerance applicable to all of its wells located in the Hobbs, Eunice-Monument, Vacuum-Abo and Vacuum-San Andres Pools, Lea County, New Mexico.

CASE 2407: Application of Shell Oil Company for approval of the Cabezon Unit Agreement, Sandoval County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Cabezon Unit Agreement embracing 22,743 acres, more or less, of State, fee and Federal lands in Townships 16 and 17 North, Ranges 2, 3 and 4 West, Sandoval County, New Mexico.

CASE 2408: Application of Texaco, Inc. for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its V. M. Henderson Well No. 6, located in Unit C, Section 30, Township 21 South, Range 37 East, Lea County, New Mexico, as a triple completion adjacent to the Paddock, Blinebry, and Drinkard Pools, with production of oil from the Paddock and Drinkard zones to be through parallel strings of 2 1/16-inch tubing and the production of gas from the Blinebry Gas Pool to be through the tubing-casing annulus.

CASE 2409: Application of Texaco Inc. for a quintuple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its G. L. Erwin "b" NCT-2 Well No. 2, located in Unit J, Section 35, Township 24 South, Range 37 East, Lea County, New Mexico, as a quintuple completion (tubingless) in undesignated Ellenburger, McKee, Fusselman, Siluro-Devonian and Drinkard pools, with the production of oil from the McKee, Fusselman, Siluro-Devonian and Drinkard zones to be through parallel strings of 2 3/8-inch tubing and the production of oil from the Ellenburger-zone to be through a string of 2 7/8-inch tubing, all strings of tubing to be cemented in a common well bore.

CASE 2410: Application of Hondo Oil & Gas Company for permission to directionally drill and for an unorthodox bottom hole location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks permission to directionally drill a well in Section 26, Township 17 South, Range 28 East, Eddy County,

CASE 2410: (Cont.)

New Mexico, the surface location to be 2310 feet from the North line and 1980 feet from the East line of said Section 26 and the bottom hole location to be in the Empire-Abo Pool at a situs 2540 feet from the North line and 1980 feet from the East line of said Section 26.

CASE 2411:

Application of Socony Mobil Oil Company, Inc., for an exception to Rule 303 (a), Lea County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Rule 303 (a) to permit the commingling of the production from the Anderson Ranch-Devonian and the Anderson Ranch-Wolfcamp Pools on its New Mexico "S" lease, which includes Lot 2 of Section 2, Township 16 South, Range 32 East, Lea County, New Mexico. Applicant proposes to meter the production from one pool only, and to allocate production to the other pool according to the subtraction method; the API gravity of the Anderson Ranch-Devonian crude is greater than 45°.

CASE 2412:

Application of Val R. Reese & Associates, Inc., for an unorthodox gas well location and a non-standard gas unit, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks permission to locate its Benn Well No. 1-9 at an unorthodox gas well location in an undesignated Gallup pool, 2210 feet from the North line and 330 feet from the East line of Section 9, Township 23 North, Range 7 West, Rio Arriba County, New Mexico, said well to be dedicated to a 152.02-acre non-standard gas unit comprising the NE/4 of said Section 9.

The following cases will not be heard before 1:00 P.M.

CASE 2413:

Application of Aspen Crude Purchasing Company for an unorthodox oil well location, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval of an unorthodox oil well location in the Totah-Gallup Oil Pool for a well to be drilled 1190 feet from the South line and 2210 feet from the East line of Section 11, Township 28 North, Range 13 West, San Juan County, New Mexico.

CASE 2414:

Application of Southwest Production Company for an unorthodox gas well location, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval of an unorthodox

CASE 2414: (Cont.)

gas well location in an undesignated Mesaverde pool for a well located 2360 feet from the South line and 830 feet from the West line of Section 26, Township 30 North, Range 12 West, San Juan County, New Mexico. Said well is to serve as the unit well for a 160-acre gas proration unit comprising the SW/4 of said Section 26.

CASE 2415:

Application of Southwest Production Company for an order pooling all mineral interests in the Basin-Dakota Gas Pool in the E/2 of Section 14, Township 30 North, Range 12 West, San Juan County, New Mexico. Interested parties include the unknown heirs of Abas Hassan, deceased, the unknown heirs of D. M. Longstreet, deceased, and Robert E., Alice L., and Samuel Glenn Goodwin, and/or their unknown heirs.

CASE 2416:

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

CASE 2417:

Application of Scanlon Engineering Company for an order fixing the spacing of wells, McKinley County, New Mexico. Applicant, in the above-styled cause, seeks an order fixing the spacing of wells producing from the Mesaverde formation in Sections 21, 22 and 27, all in Township 20 North, Range 9 West, McKinley County, New Mexico. Applicant recommends the establishment of two and one-half acre well spacing.

CASE 2418:

Application of Humble Oil & Refining Company for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its State BM Well No. 1, located in Unit I, Section 2, Township 25 South, Range 37 East, Lea County, New Mexico, as a dual completion (Tubingless) in undesignated Fusselman and Ellenburger pools, with the production of oil from the Fusselman zone through 2 7/8-inch casing and the production of oil from the Ellenburger zone through 2 3/8-inch casing cemented in a common well bore.

CASE 2419:

Application of Leonard Oil Company for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its Federal Ginsberg Well No. 11, located in Unit E, of Section 31, Township 25 South, Range 38 East, Lea County, New Mexico, as a triple completion (conventional) in the Justis Blinbry Pool, in an undesignated

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CASE 2419: (Cont.)

Tubb Pool and in the Justis Fusselman Pool, with production of oil from the Tubb and Fusselman zones to be through parallel strings of 2 3/8-inch tubing and the production of oil from the Blinbry zone through a string of 2 1/16-inch tubing.

CASE 2420:

Application of Zapata Petroleum Corporation for authority to inject water into the Maljamar Pool, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authorization to inject water into the Maljamar Pool (Grayburg and San Andres formations) through eight wells located in Sections 17, 18 and 19, all in Township 17 South, Range 33 East, Lea County, New Mexico, for the purpose of secondary recovery.