

CASE 3165: Application of SAM
BORN & MAJOR & GIEBEL OILS for
a non-standard proration unit.

CASE NO.

3165

Application,
TRANSCRIPTS,
SMALL Exhibits
ETC.

**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. 3165
Order No. R-2850**

**APPLICATION OF SAM BOREN AND MAJOR & GIEBEL
OILS FOR A NON-STANDARD PRORATION UNIT, LEA
COUNTY, NEW MEXICO.**

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on December 15, 1964, at Santa Fe, New Mexico, before Examiner Daniel S. Matter.

NOW, on this 21st day of December, 1964, 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 applicants, Sam Boren and Major and Giebel Oils, seek approval of a 104.18-acre non-standard oil proration unit in the South Lane-Pennsylvanian Pool comprising all of Lots 1 and 2 of Section 1, Township 11 South, Range 33 East, NMPM, Lea County, New Mexico, to be dedicated to a well to be drilled 150 feet northeast of the center of said Lot 1.

(3) That the proposed non-standard proration unit can be efficiently and economically drained and developed by one well.

(4) That approval of the subject application 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 otherwise prevent waste and protect correlative rights.

-2-

CASE No. 3165

Order No. R-2850

IT IS THEREFORE ORDERED:

(1) That a 104.18-acre non-standard oil proration unit in the South Lane-Pennsylvanian Pool comprising all of Lots 1 and 2 of Section 1, Township 11 South, Range 33 East, NMPM, Lea County, New Mexico, is hereby established and dedicated to a well to be drilled 150 feet northeast of the center of said Lot 1 by Sam Boren and Major & Giebel Oils.

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

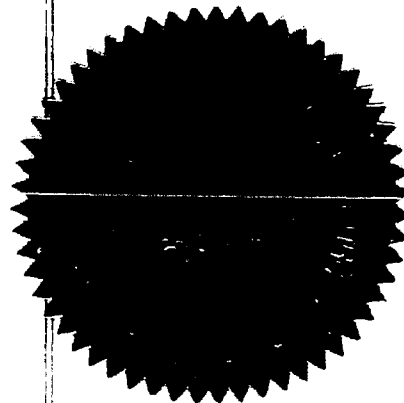
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

Jack M. Campbell
JACK M. CAMPBELL, 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

Re: Case No.
Order No. B-2825-A and B-2850
Applicant:
Continental and Sam Boren & Major
& Siebel Oils

OTHER _____

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Date 12/16/64

CASE 3165

Hearing Date 9 am 12/15/64
ASU @ SF

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

Enter an order establishing a 104.18 acre non-standard oil production unit in the Santa Rane Pennsylvanian Pool for Sam Horn and Regor & Kiebel Oils.

Unit is to comprise all of Lots 1 and 2 of Section 1 T 11 S R 33 E Lea Co and be dedicated to a well presently being at a point 150' NE of the center of Lot 1.

Allowance to be in proportion to std allowance as acreage is to std 80 acre unit.

DOCKET: EXAMINER HEARING - TUESDAY - DECEMBER 15, 1964

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, Alternate Examiner:

- CASE 3154: (Continued from the November 24th examiner hearing)
Application of Atlantic Refining Company for a unit agreement, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Culwin Queen Unit Area comprising 820 acres, more or less, of State and Federal lands in Townships 18 and 19 South, Ranges 30 and 31 East, Eddy County, New Mexico.
- CASE 3155: (Continued from the November 24 examiner hearing)
Application of Atlantic Refining Company for a waterflood project, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in the Shugart Pool in its Culwin Queen Unit Area by the injection of water into the Queen formation through six injection wells in Section 36, Township 18 South, Range 30 East, Section 31, Township 18 South, Range 31 East, Section 1, Township 19 South, Range 30 East, and Section 6, Township 19 South, Range 31 East, Eddy County, New Mexico.
- CASE 3163: Application of Gulf Oil Corporation for a non-standard gas proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 120-acre non-standard gas proration unit comprising the E/2 SE/4 of Section 28, and the NE/4 NE/4 of Section 33, Township 21 South, Range 37 East, Blinbry Gas Pool, Lea County, New Mexico. Said unit to be dedicated to its J. N. Carson Well No. 6 located in Unit P of said Section 28.
- CASE 3164: Application of Gulf Oil Corporation for a waterflood expansion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to expand its W. A. Ramsay (NCT-A) waterflood project, South Eunice Pool, to include one additional water injection well to be located approximately 1320 feet from the South and West lines of Section 34, Township 21 South, Range 36 East, Lea County, New Mexico.
- CASE 3165: Application of Sam Boren & Major & Giebel Oils for a non-standard proration unit, Lea County, New Mexico. Applicants, in the above-styled cause, seek approval of a 104.18 acre non-standard oil proration unit comprising all of lots 1 and 2 of Section 1, Township 11 South, Range 33 East, South Lane Pool, Lea County, New Mexico, to be dedicated to a well to be drilled within 150 feet of the center of said lot 1.
- CASE 3166: Application of Tenneco Oil Company for four non-standard proration units, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the approval of the following four non-standard oil proration units in the South Lane Pool:
- Unit No. 1, 93.61 acres comprising the E/2 SE/4 and Lot 1 of Section 6, dedicated to applicant's State "E" Well No. 1 located in Unit P of Section 6;
- Unit No. 2, 93.24 acres comprising the W/2 SE/4 and Lot 2 of Section 6, dedicated to applicant's State "E" Well No. 2 located in Unit J of Section 6.

December 15th Examiner Hearing

Unit No. 3, 92.87 acres comprising the E/2 SW/4 and Lot 3 of Section 6, dedicated to applicant's State "F" Well No. 1 located in Unit K of Section 6;

Unit No. 4, 81.76 acres comprising Lots 4, 5, and 6 of Section 6, dedicated to a well to be drilled 100 feet North of the center of Lot 5 of Section 6, all in Township 11 South, Range 34 East, Lea County, New Mexico.

CASE 3167: Application of IMC Drilling Mud, a division of International Minerals and Chemical Corporation for an amendment of Rule 107. Applicant, in the above-styled cause, seeks an amendment to Rule 107 of the Commission Rules and Regulations to provide an administrative procedure whereby oil-base casing packing material could be used in lieu of a portion of the portland cement normally used in cementing oil well casing.

CASE 3168: Application of Jake L. Hamon 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, Glorieta and Yeso formations through the open hole interval from 5000 feet to 9000 feet in its Fannye M. Holloway Well No. 1 located in Unit B of Section 13, Township 17 South, Range 38 East, South Knowles Devonian Pool, Lea County, New Mexico.

CASE 3169: Application of Pan American Petroleum Corporation for force-pooling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an order force-pooling all mineral interests in the Basin Dakota Pool underlying the E/2 of Section 14, Township 29 North, Range 11 West, San Juan County, New Mexico.

CASE 3170: Application of Pan American Petroleum Corporation for force-pooling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an order force-pooling all mineral interests in the Basin Dakota Pool underlying the E/2 of Section 8, Township 30 North, Range 13 West, San Juan County, New Mexico.

CASE 3171: Application of Pan American Petroleum Corporation for force-pooling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an order force-pooling all mineral interests in the Basin Dakota Pool underlying the S/2 of Section 23, Township 29 North, Range 11 West, San Juan County, New Mexico.

CASE 3172: Application of Pan American Petroleum Corporation for force-pooling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an order force-pooling all mineral interests in the Basin Dakota Pool underlying the S/2 of Section 21, Township 29 North, Range 10 West, San Juan County, New Mexico.

CASE 3173: Application of Pan American Petroleum Corporation for force-pooling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an order force-pooling all mineral interests in the Basin Dakota Pool underlying the S/2 of Section 31, Township 30 North, Range 12 West, San Juan County, New Mexico.

December 15th Examiner Hearing

- CASE 3174: Application of Pan American Petroleum Corporation for force-pooling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an order force-pooling all mineral interests in the Basin Dakota Pool underlying the N/2 of Section 28, Township 29 North, Range 10 West, San Juan County, New Mexico.
- CASE 3175: Application of Pan American Petroleum Corporation for an amendment of Order No. R-2424, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an amendment to Order No. R-2424, Special Pool Rules for Fowler Blinebry Pool to provide a limiting gas-oil ratio for oil wells in said pool of 6000 cubic feet of gas per barrel of oil.
- CASE 3176: Application of Texaco Inc. for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the triple completion (tubingless) of its C. C. Fristoe "b" (NCT-2) Well No. 9, located in Unit C of Section 35, Township 24 South, Range 37 East, Lea County, New Mexico, to produce oil from the Langlie Mattix, Justis Blinebry and North Justis Tubb-Drinkard Pools through 2-7/8 inch casing cemented in a common wellbore.
- CASE 3177: Application of Sinclair Oil & Gas Company for an amendment of Order No. R-1148, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an amendment of Order No. R-1148, which order authorized a 160-acre non-standard Tubb gas pool proration unit comprising the W/2 SW/4, SE/4 SW/4, and SW/4 SE/4 of Section 26, Township 21 South, Range 37 East, Lea County, New Mexico, to be dedicated to its J. R. Cone Well No. 1 located in Unit M of said Section 26. Applicant seeks the rededication of said unit and the allowable accrued thereto to its J. R. Cone Well No. 2 located in Unit L of said Section 26.
- CASE 3178: Application of Shell Oil Company for a unit agreement, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Comanche (San Andres) A Unit Area comprising 16,895 acres, more or less, of Federal, State and Fee lands in Townships 6 and 7 South, Ranges 25 and 26 East, Chaves County, New Mexico.
- CASE 3179: Application of Shell Oil Company for a unit agreement, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Comanche (San Andres) B Unit Area comprising 20,456 acres, more or less, of Federal, State and Fee lands in Township 7 South, Range 26 East, Chaves County, New Mexico.
- CASE 3180: Application of Shell Oil Company for a unit agreement, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Comanche (San Andres) C Unit Area comprising 15,081 acres, more or less, of Federal, State and Fee lands in Townships 7 and 8 South, Range 25 East, Chaves County, New Mexico.
- CASE 3181: Application of Shell Oil Company for a unit agreement, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Comanche (San Andres) D Unit Area comprising 15,925 acres, more or less, of Federal, State and Fee lands in Township 8 South, Ranges 25 and 26 East, Chaves County, New Mexico.

December 15th Examiner Hearing

- CASE 3182: Application of Shell Oil Company for a unit agreement, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Comanche (San Andres) E Unit Area comprising 12,323 acres, more or less, of Federal, State and Fee lands in Townships 8 and 9 South, Range 25 East, Chaves County, New Mexico.
- CASE 3183: Application of Shell Oil Company for a unit agreement, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Comanche (San Andres) F Unit Area comprising 22,049 acres, more or less, of Federal, State and Fee lands in Townships 8 and 9 South, Ranges 25 and 26 East, Chaves County, New Mexico.
- CASE 2660: (Reopened and continued from the November 12, 1964 examiner hearing) In the matter of Case No. 2660 being reopened pursuant to the provisions of Order No. R-2348-A, which continued the original order establishing 80-acre proration units for the Middle Lane-Pennsylvanian Pool, Lea County, New Mexico, for an additional year. All interested parties may appear and show cause why said pool should not be developed on 40-acre proration units. Midwest Oil Corporation also requests that the Middle Lane-Pennsylvanian Pool Rules, in addition to being made permanent, be amended to provide the definition of the vertical limits of said pool and the deletion of the fixed well location requirements as provided by said Order No. R-2348.
- CASE 3184: Application of Benson-Montin-Greer Drilling Corporation for an amendment of Order No. R-2565, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks an amendment of Order No. R-2565 to permit the shutting-in of wells for interference tests, to permit the accumulation and transfer of back allowables for said shut-in wells, and to permit a transfer well to produce its own allowable plus a transferred allowable up to 100% of 1 top unit allowable for the Puerto Chiquito-Gallup Oil Pool at anytime during the period of one year after the original assignment of said allowable.

R. O. MAJOR, GEOLOGIST
A. F. GIEBEL, PETROLEUM ENGINEER

MAJOR AND GIEBEL
PETROLEUM CONSULTANTS
1204 VAUGHN BLDG.
MIDLAND TEXAS

November 30, 1964

MAIN OFFICE 3300

'64 DEC 2 PH 12

MUTUAL 3-3168

Case 3165

Mr. Dan Nutter
Chief Engineer
New Mexico Oil and Gas Conservation Comm.
Post Office Box 871
Santa Fe, New Mexico

Re: Southern Natural Gas Co.
No. 1 well

Dear Mr. Nutter:

This is to confirm our request for a non standard oil proration unit comprising Lots 1 and 2 which totals 104.18 acres in Section 1, T-11-S, R-33-E, Lea County, New Mexico. The location will be drilled within 150 feet of the intersection of the diagonals of Lot 1.

It is our understanding that a hearing will be required and that it has been scheduled for December 15, 1964 in Santa Fe, New Mexico.

We appreciate your cooperation in scheduling this hearing for us.

Very truly yours

R. O. Major
R. O. Major

ROM/mw

cc: Mr. Joe Rainey
New Mexico Oil and Gas Conservation Comm.
Hobbs, New Mexico

Mr. Sam Boren
25 1/2 Highland Park Village
Dallas, Texas

Southern Natural Gas Company
Wilco Building
Midland, Texas

DOCKET MAILED

12-11-64
~~Date~~

Sam Boren & Major & Kiebel
1204 Vaughan Bldg Midland Tex.

DOCKET MAILED

Dec 12-4-64

non stand

No 1 Southern Natural Gas Co

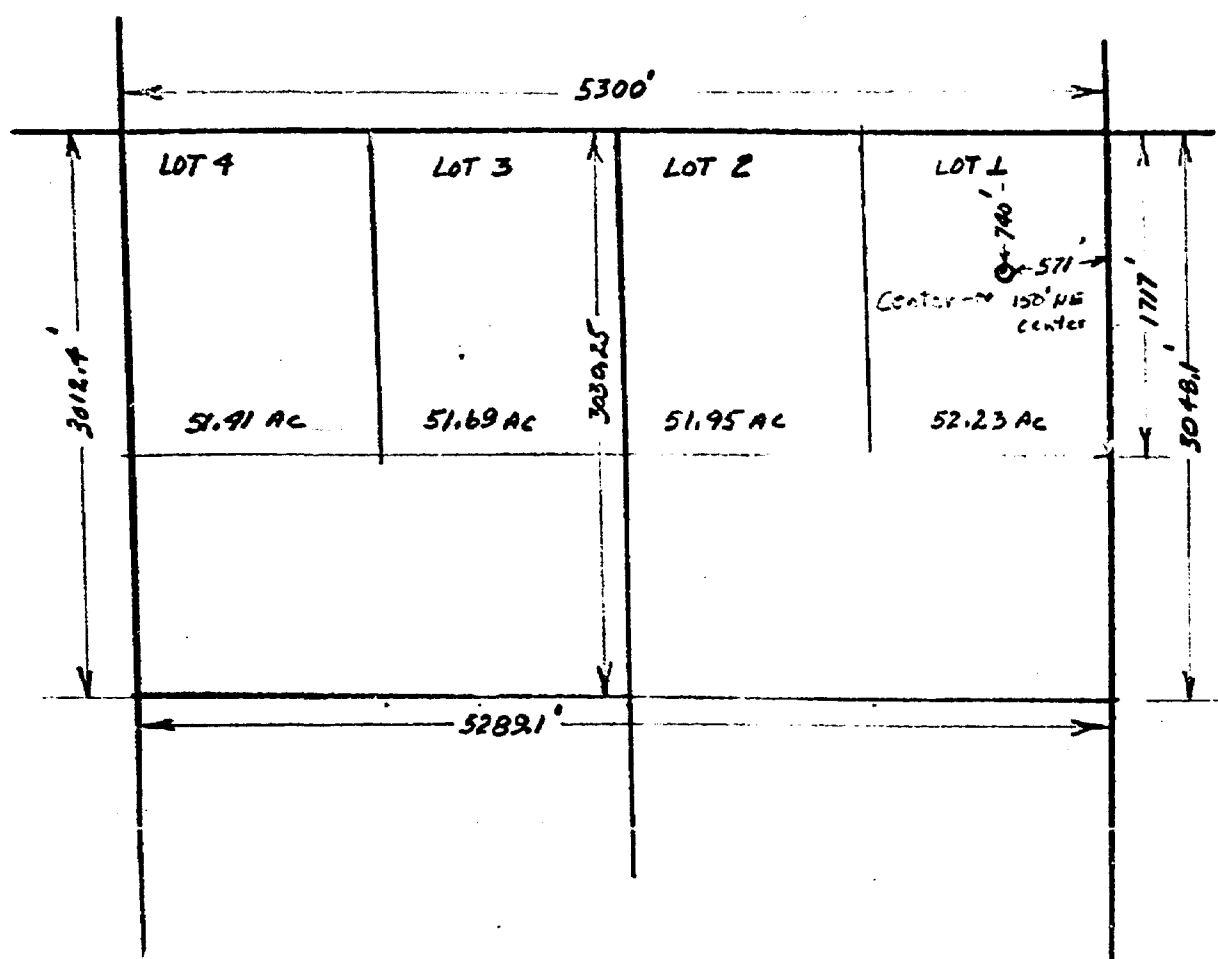
150' of center of Lot 1

Section 1 T 11 S R 33 E

104.18 South Lane Pool Lea

non-standard oil production ~~unit~~

comprising Lots 1 and 2
of Sec 1



N/2 SEC 1 T-11-S R-33-E Lea Co.
1"=1000'

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 3165
CASE NO. 3165

dearnley-meier reporting service, inc.

SPECIALIZING IN: DEPOSITIONS, HEARINGS, STATEMENTS, EXPERT TESTIMONY, DAIRY COPY, CONVENTIONS

1120 SUMMIT BLDG. • P. O. BOX 1092 • PHONE 243-4491 • ALBUQUERQUE, NEW MEXICO



PAGE 1

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
December 15, 1964

EXAMINER HEARING

IN THE MATTER OF:

APPLICATION OF SAM BOREN & MAJOR & GIEBEL
OILS FOR A NON-STANDARD PRORATION UNIT,
LEA COUNTY, NEW MEXICO

Case No. 3165

BEFORE:

DANIEL S. NUTTER

TRANSCRIPT OF HEARING

MR. NUTTER: Call Case Number 3165--application of Sam Boren & Major & Giebel Oils for a non-standard proration unit, Lea County, New Mexico.

MR. KELLAHIN: Jason Kellahin of the firm of Kellahin & Fox, Santa Fe, New Mexico, representing the applicants. We have one witness we would like to have sworn.

R. O. M A J O R, the witness, having been duly sworn, was examined and testified as follows:

DIRECT EXAMINATION

BY MR. KELLAHIN:

Q Would you state your name, please.

A R. O Major.

Q Are you associated in any way with the application in Case Number 3165?

A I am.

Q What is your association?

A The firm of Major & Giebel, of which I am a partner, is also a partner in the operation with Mr. Boren of the properties in question.

Q Are you a petroleum engineer?

A A geologist.

Q Have you testified before the Oil Conservation Commission and made your qualifications a matter of record?

A I have.

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

MR. NUTTER: Yes, sir.

Q (MR. KELLAHIN) Are you familiar with the application in Case Number 3165?

A I am.

Q Would you state briefly what is proposed by the applicant in this case.

A The applicant has a lease consisting of a portion of the north half of Section 1 that has been divided into four lots, each slightly in excess of 50 acres.

Q Is that shown on Exhibit 1?

A That is correct. The acreage in each tract is shown there.

Q Which are the two lots involved in this application?

A 1 and 2.

Q And that would make a total of 104.18 acres?

A That is correct.

Q Does the exhibit also show the location of your proposed well?

A It does.

Q What is the status of the well at the present time?

A The well is presently being drilled. Tentative approval, subject to approval of the acreage unit was granted, and

dearnley-meier reporting service, inc.

SPECIALIZING IN: DEPOSITIONS, HEARINGS, STATEMENTS, EXPERT TESTIMONY, DAILY COPY, CONVENTIONS

1120 SIMAS BLDG. • P. O. BOX 1092 • PHONE 243-4491 • ALBUQUERQUE, NEW MEXICO

PAGE 4

the well is being drilled presently.

Q Do you propose to dedicate all of Lots Number 1 and 2 to that well on its completion?

A That's right.

Q What formation is that well projected to?

A The Bough C Pennsylvanian.

Q Is that within a defined oil pool or within one mile of a defined oil pool?

A It is.

Q Is that the South Lane Pool?

A Yes.

Q Do you know what the spacing in the South Lane Pool is?

A Eighty acres.

Q This would be an exception to the rules of the South Lane Pool, is that correct?

A Yes.

Q Referring to what has been marked Exhibit 2, would you discuss the information shown on that exhibit.

A Exhibit 2 is a structural plat drawn on top of the Bough C zone which immediately overlies or is the top of the Emby, of which the porosity occurs that is producing in the South Lane field. The area circled in red embraces Tracts 1 and 2 that we are requesting be assigned for the well. The structure top shows that the subject acreage lies within the confines of the reasonable productive limits of the field. Can I go ahead

with 3 and 4?

MR. KELLAHIN: Go ahead.

A Exhibit 3, which is the structure on top of the porosity or the pay zone in the South Lane field, is essentially the same as Exhibit 2, but tends to define more specifically the produceability of the subject acreage. Exhibit 4 is an isopac of the net thickness map of the producing horizon of both the South Lane and the Emby fields. The acreage being requested is offset to the east by Tenneco and to the northeast by ourselves on the development from the Humble format. Section 33 to the north is a Humble lease and directly south of the subject acreage is the recently completed South & Royalty well.

Q Are the wells shown on the exhibit all completed, in the Bough C zone?

A That is correct.

Q The wells which appear as circled in Section 34 and Section 6 are the proposed wells, is that correct?

A That is correct. They are not completed wells.

Q What is the character of the Bough C zone?

A The Bough C is a carbonate vugular porosity, extremely high porosity and permeability, with permeability of the magnitude of from several to 7800 millidarcies and porosity ranging from 6 to 13 to 15%, so that there seems to be little doubt as to the effectiveness of the draining capacity of these

dearnley-meier reporting service, inc.

SPECIALIZING IN: DEPOSITIONS, HEARINGS, STATEMENTS, EXPERT TESTIMONY, DAILY COPY, CONVENTIONS

1120 SIMAS BLVD. • P. O. BOX 1092 • PHONE 243-4491 • ALBUQUERQUE, NEW MEXICO

PAGE 6

producing wells.

Q In your opinion, would the well location as you propose in this unit, effectively and economically drain and develop the acreage to be dedicated to it?

A We believe it would.

Q Would the well, in your opinion, be able to make an allowable that would be assigned to a 104.18-acre unit?

A It is our experience in the field, from other wells we are operating, that perhaps it would for a very short time--probably not over six months.

Q Would a well location as you propose, and with 104.18 acres dedicated to it, in any way impair correlative rights of offsetting operators?

A We feel that it would not.

Q Would drilling a well, in your opinion, at that location, prevent waste?

A We are of the opinion that it would.

Q In the event that the 104-acre unit is not approved, is there any way you could dedicate the acreage owned in this lease?

A We have two alternatives. That would be to restrict our unit to the 52.23 acres that is tracted, or the alternate would be to split Lot 2, which is going to leave, ultimately, in excess of some 40 acres of the normal development on 180

dearnley-meier reporting service, inc.

SPECIALIZING IN: DEPOSITIONS, HEARINGS, STATEMENTS, EXPERT TESTIMONY, DAILY COPY, CONVENTIONS

1120 SIMMS BLDG. • P. O. BOX 1092 • PHONE 243-4491 • ALBUQUERQUE, NEW MEXICO

PAGE 7

acres, so it is our opinion that this is the best way to utilize the 200 acres we have in this lease.

Q In your opinion would it be economically feasible to drill a well to be dedicated only 52 acres?

A It would not.

Q In your opinion would it pay out?

A The economics would be questionable.

Q If it paid at all, it would be over a long period of time?

A Yes.

Q Is the operating cost of these wells high?

A Extremely high, due to the production of an excessive amount of water. It doesn't appear to be too closely related to the structural position of the well on the pay zone, so we look initially to production of the water, and the flow level is extremely short--perhaps not over a month or two.

Q Based upon the investigation you have made and the information on Exhibits 2, 3 and 4, is all the acreage you propose to dedicate to the well productive of oil?

A It is.

Q Were Exhibits 1 through 4 prepared by you or under your supervision?

A They were.

MR. KELLAHIN: At this time I offer Exhibits 1 through

4 into evidence.

MR. NUTTER: Exhibits 1 through 4 will be admitted into evidence.

MR. KELLAHIN: That's all I have on direct examination.

MR. NUTTER: Are there any questions of Mr. Major? ... How deep is the well drilled at this time?

A Approximately 2,000 feet today, I would imagine.

Q There has been some problem encountered in some wells drilled in this area, with water in some of the upper horizons. Has this well been drilled to a depth at which this trouble would be encountered?

A No, we don't anticipate trouble. The completed Southland well encountered no problem, nor did the Tennaco well to the east.

Q When was the south well drilled?

A The casing was set three or four days ago. It was cored December 8th.

MR. NUTTER: Are there any further questions of Mr. Major? He may be excused. Is there anything further, Mr. Kellahin?

MR. KELLAHIN: No, sir.

MR. NUTTER: If there is nothing further in Case Number 3165 we will take the case under advisement. I will call a

dearnley-meier reporting service, inc.

SPECIALIZING IN: DEPOSITIONS, HEARINGS, STATEMENTS, EXPERT TESTIMONY, DAILY COPY, CONVENTIONS
1120 SIMPLAS BLDG. • P. O. BOX 1072 • PHONE 243-4491 • ALBUQUERQUE, NEW MEXICO



PAGE 9

ten-minute recess.

* * *

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) ss

I, ELIZABETH K. HALE, Court Reporter and Notary Public,
do certify that the foregoing transcript in Case Number 3165
was made by me and that it is a true and accurate record of
proceedings to the best of my knowledge, skill and ability.

Witness my hand and seal this 17th day of December, 1964.

Elizabeth K. Hale
Notary Public and Court Reporter

My commission expires:

May 23, 1968.

I do hereby certify that the foregoing is
a complete record of proceedings in
the Examiner's Case No. 3165
heard by me on 12/15, 1964.

Joetun Examiner
New Mexico Oil Conservation Commission