

CASE 2110: Application of CHAMBERS &
KENNEDY for an oil-oil dual of its
MONTEREY STATE WELL NO. 3.

Case No.

2110

Application, Transcript,
Small Exhibits, Etc.

DRAFT

RSM/esr
October 19

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

RSM
10/20
10/20
IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE No. 2110
Order No. R- 1807

10/20
APPLICATION OF CHAMBERS AND KENNEDY
FOR AN OIL-OIL DUAL COMPLETION IN
AN UNDESIGNATED YATES POOL AND IN
THE NORTH SHUGART-QUEEN GRAYBURG
POOL, EDDY COUNTY, NEW MEXICO,
~~UTILIZING PARALLEL STRINGS OF~~
~~SMALL DIAMETER TUBING.~~

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on October 19, 1960, 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 day of October, 1960, 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, Chambers and Kennedy, is the owner and operator of the Monterey State Well No. 3, located ^{in the NE/4} ~~660 feet~~ ^{NW/4} ~~from the North line and 1650 feet from the West line~~ of Section 32, Township 18 South, Range 31 East, NMPM, Eddy County, New Mexico.

(3) That the applicant proposes to dually complete the above-described Monterey State Well No. 3 in such a manner as to permit the production of oil from an undesignated Yates pool and the production of oil from the North Shugart-Queen Grayburg Pool through parallel strings of 2-inch tubing installed within a string of 7-inch casing set at total depth.

(4) That the mechanics of the proposed dual completion are feasible and in accord with good conservation practices.

(5) That approval of the subject application will neither cause waste nor impair correlative rights.

IT IS THEREFORE ORDERED:

That the applicant, Chambers and Kennedy, be and the same is hereby authorized to dually complete its Monterey State Well No. 3, located ~~660 feet from the North line and 1650 feet from the West line~~ ^{in the NE 1/4 NW 1/4} of Section 32, Township 18 South, Range 31 East, NMPM, Eddy County, New Mexico, in such a manner as to permit the production of oil from an undesignated Yates pool and the production of oil from the North Shugart-Queen Grayburg Pool through parallel strings of 2-inch tubing installed within a string of 7-inch casing set at total depth.

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

PROVIDED FURTHER, That the applicant shall take packer-leakage tests upon completion and annually thereafter, or as ^{required} ~~directed~~ by the Secretary-Director of the Commission.

IT IS FURTHER ORDERED:

That jurisdiction of this cause is hereby retained by the Commission for such further order or orders as may seem necessary or convenient for the prevention of waste and/or the protection of correlative rights; upon failure of the applicant to comply with any requirement of this order, the Commission may terminate the authority herein granted and require the applicant or its successors and assigns to limit its activities to regular single-zone production in the interest of conservation.

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

DIAGRAMMATIC SKETCH OF DUAL COMPLETION INSTALLATION

CHAMBERS & KENNEDY

Monterey State Well No. 3
1-N, 32-18-31, Eddy Co., N.

BEFORE EXAMINER MUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 3
CASE NO. 2112

Case tested on rig complete

8 5/8" Csg. @ 801'
50% Circ?
not certain.

Top of cement 1598

2 3/8" EUE Tbg.

*BHP weak - probably will not flow.
gravel 30°
GOR #4 312*

Top @ 2616

Upper Zone
Yates

Bottom @ 2634

no corrosion prob.

Upper Pump @ 2600

To Be Perforated
2616 to 2630

Packer @ 2640

*Proven type
Pm-pass
Jacker (same
as case 2078)*

Lower Pump @ 3610

*BHP weak - will not flow
gravel 30°
GOR 277 to 1 (est)*

Top @ 3611

Lower Zone
2nd Grayburg

Bottom @ 3644

Perfs 3626 to 3636

7" Csg. @ 3676

*200 ft
top cut @ 1598*

NOTE: Well to be pumped with two strings of rods and two units. Tubing, packer, and pump depths are approximate.

DOCKET: EXAMINER HEARING, WEDNESDAY, OCTOBER 19, 1960

Oil Conservation Commission - 9 a.m., Mabry Hall, State Capitol, Santa Fe, NM

The following cases will be heard before Daniel S. Nutter, Examiner, or Oliver E. Payne, Attorney, as Alternate Examiner:

CASE 2099:

Application of Continental Oil Company for an automatic custody transfer system. Applicant, in the above-styled cause, seeks an order authorizing the installation of an automatic custody transfer system to handle the Eunice Pool production from all wells presently completed or hereafter drilled on the Meyer B-4 Lease consisting of the E/2 and the E/2 W/2 of Section 4, Township 21 South, Range 26 East, Lea County, New Mexico.

CASE 2100:

Application of Continental Oil Company for an automatic custody transfer system. Applicant, in the above-styled cause, seeks an order authorizing the installation of an automatic custody transfer system to handle the Maljamar Paddock Pool production from all wells presently completed or hereafter drilled on the William Mitchell "A" Lease consisting of the N/2 of Sections 19 and 20, Township 17 South, Range 32 East, Lea County, New Mexico.

CASE 2101:

Application of Cities Service Oil Company for an order force-pooling all mineral interests in a standard 80-acre oil production unit. Applicant, in the above-styled cause, seeks an order force-pooling all mineral interests within the vertical limits of the Southwest Gladiola-Devonian Pool in a standard 80-acre unit consisting of the S/2 SW/4 of Section 27, Township 12 South, Range 37 East, Lea County, New Mexico. The non-consenting royalty owners include B. F. Turner and wife, George C. Koch and wife, Hugh O. Sears and wife, Harry J. Kaendl and wife, and Clark and Judge Properties, a partnership.

CASE 2102:

Application of Amerada Petroleum Corporation for permission to commingle the production from several separate pools and for an automatic custody transfer system. Applicant, in the above-styled cause, seeks permission to commingle the Blinebry, Drinkard, and Fusselman production from all wells on its Ida Wimberley lease comprising portions of Sections 24, 25 and 26, Township 25 South, Range 37 East, Lea County, New Mexico. Applicant further seeks permission to install an automatic custody transfer system to handle said commingled production.

- CASE 2103: Application of Gulf Oil Corporation for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Vinson-Ramsay "B" Well No. 6, located in Unit K, Section 36, Township 25 South, Range 37 East, Lea County, New Mexico, in such a manner as to permit the production of oil from the Justis-Blinebry Pool and the production of oil from an undesignated Tubb Pool through parallel strings of 1½-inch tubing.
- CASE 2104: Application of Shell Oil Company for permission to commingle the production from separate pools. Applicant, in the above-styled cause, seeks permission to commingle the Drinkard Pool and Tubb Pool production from all wells located in Section 4, Township 22 South, Range 37 East, Lea County, New Mexico, after separately metering the production from the Tubb Pool only.
- CASE 2105: Application of Shell Oil Company for permission to commingle the production from two separate pools from several separate leases and for an automatic custody transfer system. Applicant, in the above-styled cause, seeks permission to commingle the Eunice and Eumont Pool production from all wells on four leases in Section 1, Township 21 South, Range 35 East, and Section 6, Township 21 South, Range 36 East, Lea County, New Mexico. Applicant further seeks authorization to install an automatic custody transfer system to handle said commingled production.
- CASE 2106: Application of Texaco Inc. for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of the State "BH" Well No. 3, located in Unit E, Section 11, Township 12 South, Range 32 East, Lea County, New Mexico, in such a manner as to permit the production of oil from an undesignated Wolfcamp Pool and the production of oil from an undesignated Pennsylvanian Pool through parallel strings of tubing.
- CASE 2107: Application of Pan American Petroleum Corporation for permission to commingle the production from two separate pools. Applicant, in the above-styled cause, seeks permission to commingle the Denton (Devonian) and Denton (Wolfcamp) Pool production from two wells on the W. H. Fort "A" lease comprising the E/2 of Section 25, Township 14 South, Range 37 East, Lea County, New Mexico, without separately metering the production from each pool.

CASE 2108: Application of Chambers and Kennedy for an unorthodox oil well location. Applicant, in the above-styled cause, seeks approval of an unorthodox location for its Sinclair State Well No. 1 to be located in an undesignated Abo pool at a point 990 feet from the South line and 200 feet from the West line of Section 35, Township 17 South, Range 28 East, Eddy County, New Mexico.

CASE 2109: Application of Jack S. Reaves for the establishment of a 52-acre non-standard oil proration unit. Applicant, in the above-styled cause, seeks an order establishing a 52-acre non-standard Delaware oil proration unit consisting of lots 3 and 4 of Section 36, Township 26 South, Range 28 East, Eddy County, New Mexico.

CASE 2110: Application of Chambers and Kennedy for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Monterey State Well No. 3, located 660 feet from the North line and 1650 feet from the West line of Section 32, Township 18 South, Range 31 East, Eddy County, New Mexico, in such a manner as to permit the production of oil from an undesignated Yates oil pool and the production of oil from the North Shugart-Queen Grayburg Pool through parallel strings of 2-inch tubing.

Chambers & Kennedy

SUITE 607
MIDLAND NATIONAL BANK BUILDING

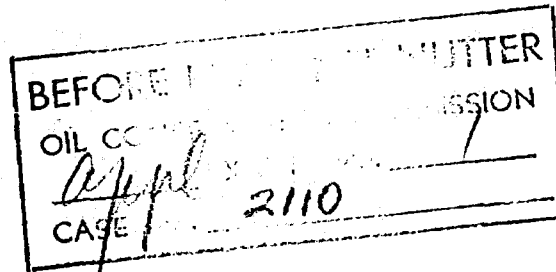
MIDLAND, TEXAS

OCTOBER 17, 1960

G. FRED CHAMBERS
W. D. KENNEDY

TELEPHONE
MU 3-4643

Mr. Daniel S. Nutter
Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico



Re: Chambers & Kennedy
Monterey State #3
1-N, 32-18-31; Eddy
Co., New Mexico

Dear Mr. Nutter:

Chambers and Kennedy propose to dual-complete their Monterey State Well No. 3. This well is presently completed in the 2nd Grayburg inside 7-inch casing with perforations at 3626 to 3636. It is pumping an average of fifty-seven barrels of oil per day, no water, and a Gas Oil Ratio of 277 cubic feet per barrel.

The second zone that we propose to complete is the Yates section from 2616 to 2634. We presently have two wells on this lease pumping from the Yates zone, Wells number 1 and 4 neither of which are making any water.

The two zones in this well will be separated by a Brown Oil Tools Inc. By-Pass packer. This type of packer was presented to the Oil Conservation Commission in the hearing of the Chambers and Kennedy Case No. 2078 to dual-complete their Monterey State Well No. 2, and approval was granted in Order No. R-1784.

Attached and presented as exhibits are:

- 1-diagrammatic sketch of installation
- 1-Radioactive log
- 1-Plat of adjoining property

We have not experienced a Corrosion or any other

production problem from these zones which would indicate we will not be able to effectively drain these reservoirs.

It is our thought that this is the most economical method of producing these two zones in this well.

Yours very truly,

CHAMBERS & KENNEDY

W. J. Alexander
Production Engineer

WJA:ep

GOVERNOR
JOHN BURROUGHS
CHAIRMAN

State of New Mexico
Oil Conservation Commission

LAND COMMISSIONER
MURRAY E. MORGAN
MEMBER



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

P. O. BOX 871
SANTA FE

October 24, 1960

Mr. Thomas McKenna
Attorney at Law
302 East Palace

Re: Case No. 2110
Order No. R-1807
Applicant:

Chambers & Kennedy

Dear Sir:

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

Very truly yours,

A. L. PORTER, Jr.,
Secretary-Director

lr/

Carbon copy of order also sent to:

Hobbs OCC ☒
Artesia OCC ☒
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. 2110
Order No. R-1807

APPLICATION OF CHAMBERS AND KENNEDY
FOR AN OIL-OIL DUAL COMPLETION IN
AN UNDESIGNATED YATES POOL AND IN
THE NORTH SHUGART-QUEEN GRAYBURG
POOL, EDDY COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on October 19, 1960, 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 24th day of October, 1960, 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, Chambers and Kennedy, is the owner and operator of the Monterey State Well No. 3, located in the NE/4 NW/4 of Section 32, Township 19 South, Range 31 East, NMPM, Eddy County, New Mexico.
- (3) That the applicant proposes to dually complete the above-described Monterey State Well No. 3 in such a manner as to permit the production of oil from an undesignated Yates pool and the production of oil from the North Shugart-Queen Grayburg Pool through parallel strings of 2-inch tubing installed within a string of 7-inch casing set at total depth.
- (4) That the mechanics of the proposed dual completion are feasible and in accord with good conservation practices.
- (5) That approval of the subject application will neither cause waste nor impair correlative rights.

-2-
CASE No. 2110
Order No. R-1807

IT IS THEREFORE ORDERED:

That the applicant, Chambers and Kennedy, be and the same is hereby authorized to dually complete its Monterey State Well No. 3, located in the NE/4 NW/4 of Section 32, Township 18 South, Range 31 East, NMPM, Eddy County, New Mexico, in such a manner as to permit the production of oil from an undesignated Yates pool and the production of oil from the North Shugart-Queen Grayburg Pool through parallel strings of 2-inch tubing installed within a string of 7-inch casing set at total depth.

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

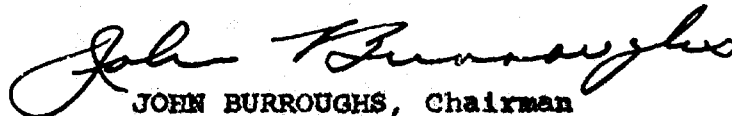
PROVIDED FURTHER, That the applicant shall take packer-leakage tests upon completion and annually thereafter, or as required by the Secretary-Director of the Commission.

IT IS FURTHER ORDERED:


That jurisdiction of this cause is hereby retained by the Commission for such further order or orders as may seem necessary or convenient for the prevention of waste and/or the protection of correlative rights; upon failure of the applicant to comply with any requirement of this order, the Commission may terminate the authority herein granted and require the applicant or its successors and assigns to limit its activities to regular single-zone production in the interest of conservation.

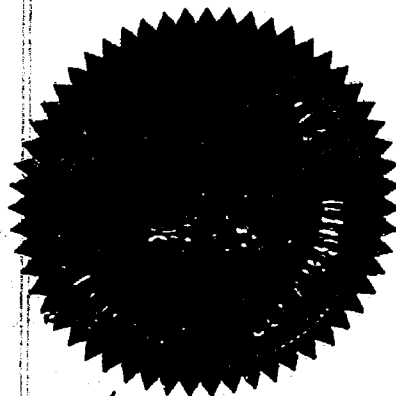
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


JOHN BURROUGHS, Chairman


MURRAY E. MORGAN, Member


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



esr/

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
October 19, 1960

EXAMINER HEARING

IN THE MATTER OF:

Application of Chambers and Kennedy for an oil-
oil dual completion. Applicant, in the above-
styled cause, seeks an order authorizing the dual
completion of its Monterey State Well No. 3,
located 660 feet from the North line and 1650
feet from the West line of Section 32, Township
18 South, Range 31 East, Eddy County, New Mexico,
in such a manner as to permit the production of
oil from an undesignated Yates oil pool and the
production of oil from the North Shugart-Queen
Grayburg Pool through parallel strings of 2-inch
tubing.

Case 2110

BEFORE:

Daniel S. Nutter, Examiner

TRANSCRIPT OF HEARING

MR. MORRIS: Application of Chambers and Kennedy for an
oil-oil dual completion.

MR. MC KENNA: Mr. Examiner, Thomas Mc Kenna, Mc Kenna
and Sommer, Santa Fe, New Mexico, appearing for Chambers and
Kennedy. We have one witness, Mr. Jack Alexander. Mr. Reporter,
would you mark this one for identification which contains a letter
to the Commission, dated October 17th, accompanied by a diagram-
matic sketch.

MR. ALEXANDER: Also a log and plat of the area of the
adjoining wells.

MR. MC KENNA: Contains a log and also a plat of the

DEARNLEY-MEIER REPORTING SERVICE, Inc.
ALBUQUERQUE, NEW MEXICO

PHONE CH 3-6691



DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO

adjoining wells.

MR. NUTTER: We will identify the plat as Applicant's Exhibit No. 2 in Case 2110. The diagrammatic sketch as Applicant's Exhibit 3, and the log as Applicant's Exhibit No. 4.

MR. MC KENNA: Considered as the applicant's informal application.

(Whereupon, witness sworn)

W. J. ALEXANDER

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

DIRECT EXAMINATION

BY MR. MC KENNA:

Q Would you state your full name, please.

A William Jackson Alexander.

Q Mr. Alexander, what is your job or employment with Chambers and Kennedy?

A I am employed as Petroleum Engineer in charge of production.

Q Have you testified heretofore before this Commission?

A I have.

Q Have your qualifications been accepted by this Commission?

A They have.

MR. MC KENNA: Mr. Examiner, may we proceed?

MR. NUTTER: Yes, sir; please proceed.

Q (By Mr. Mc Kenna) Now, Mr. Alexander, referring to



Exhibit No. 2, if I remember correctly, it is the diagrammatic sketch of the proposed dual completion, can you advise the Commission whether or not you have prepared this sketch or whether or not it was prepared at your direction?

A I prepared it personally.

Q Can you explain to the Examiner and Commission the purpose for what you are desiring to secure here today?

A Our proposal is a dual completion in the second Grayburg and Yates zone, which are separated by one thousand feet. The well is presently producing from the second Grayburg, it's been on production some nine months and we now propose to dually complete with the Yates zone. The well has a seven inch casing, we propose to use two strings of two and three-eighths tubing with two pumping facing them, face to face.

Q Can you explain to the Commission your plans for plans, if you have any, for segregating the common sources of supply beyond what you have already stated?

A We have now on this lease, wells producing from three different zones. We have separate batteries for each zone. These wells will likewise be produced in the batteries of like zones.

Q Have you had any tests of the casing to determine if there are any casing leaks at all?

A The casing was initially tested prior to the time we fractured the lower zone and we had no casing leaks or faulty cement at that time.

DEARNEY-MEIER REPORTING SERVICE, Inc.

ALBUQUERQUE, NEW MEXICO

PHONE CH 3-6691



DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO

Q Have you installed the packer yet?

A No, there is no packer in this well.

Q Can you explain to the Commission what type of packer you intend to use?

A We propose a Brown oil tool by-pass. This was presented to the Oil Conservation in Chamber's and Kennedy's Case No. 2078 and requesting permission on the Monterey State No. 2, and was approached in our 1784.

Q Do you believe this packer will do the job?

A At this depth and pressure differential we expect a hook-wall packer to be sufficient to hold any differential that might exist in these pays. These are weak in bottom hole pressure, and therefore, do not present a problem as far as differential pressure.

Q Do you anticipate any corrosion problems?

A We do not.

Q Any gas-oil-water problems?

A No.

Q What is Exhibit No. 1, which is also the letter of October the 17th; can you explain to the Commission what you state in this letter?

A In the letter we set forth the two zones we intend and would propose to dually complete, giving the tops and bottoms of the two zones, gave the average production over the past ten years of the well that is now presently completed in the second Grayburg



DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO

Let me clarify that and say that Well No. 3 is presently completed in the second Grayburg; it has averaged fifty-seven barrels of oil and no water, the gas-oil ratio is 277 cubic feet per barrel for the past ten days. The second zone, of course, we propose to complete in, would be the Yates, sections would occur in 26, 16 and 27, 34. We presently have the two zones producing on this lease from the Yates Section. We had to discuss the packer and the fact it had been accepted by the Commission.

Q Would you explain to the Commission what the Exhibit is, is No. 3, is that the log?

A Is that log No. 3 or 4?

MR. NUTTER: The log is No. 4.

A The radioactive log was taken by the western company and marked as Exhibit 4. The tops and bottoms of the two zones are marked in red and the perforations of rated intervals we propose to make, also, in red.

Q And what is Exhibit No. 3?

A That is the diagrammatic sketch.

Q Can you also explain to the Commission what Exhibit No. 2 is?

A Exhibit No. 2 is a plat of the offsetting wells and the property owners in the immediate area and each well is marked in the zone of which it is presently producing from.

Q Now, do you feel this proposed plan will efficiently drain the reservoirs?



A Yes, I do; because we will have equipment of the size that you would ordinarily install if these wells were singularly completed.

Q Have you tested the Yates?

A Well No. 4 has recently been completed and has recovered approximately one thousand barrels of new oil above the oil used in treatment, and is presently producing at the rate of 63 barrels per day.

Q Do you know what the gravity is of the contemplated Yates oil?

A Roughly, thirty degrees gravity; all the oil in this area, whether it be from the Penrose-Yates or Grayburg, is in the neighborhood of thirty degrees.

Q Do you believe that your request is in keeping with the principles of conservation?

A Yes, we do.

Q Do you think that will impair any correlative rights?

A I do not.

MR. MC KENNA: I believe that is all I have.

MR. NUTTER: Any questions of Mr. Alexander?

(No response.)

CROSS-EXAMINATION

BY MR. NUTTER:

Q Mr. Alexander, the five and five-eighths inch pipe, it is set at in this at 801, how much cement was used in that string of



DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO

cement?

A Fifty sacks.

Q Was the cement circulated?

A I am not certain. That was installed by Kincaid and Watson on a turn-key basis; it was a cable to the hole. I am not certain whether it was or was not circulated.

Q The seven inch is at 3676, how many sacks were used there?

A Two hundred sacks.

Q I think the top is indicated at 1598, correct?

A Yes, sir.

Q Now, you state the gravity in both of the zones is expected to be approximately thirty degrees. Do you have any information that would indicate what the gas-oil ratios will be?

A I took this in the past week. We took a gas-oil ratio on the Grayburg Section No. 3 Well, which is 277 to one and that is in this letter.

Q How about the Yates, what do you expect for the gas-oil ratio there?

A The Yates in Well No. 4, has a gas-oil ratio of 312.

Q So you expect both zones will be relatively low gas-oil ratios then?

A Yes.

Q How about bottom hole pressures?

A We have not taken any bottom hole pressures on any of these wells, on that they are rather weak; they will not sustain



DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO

a column of oil.

Q Both pressures are weak?

A Yes.

Q You can't have too much differential across the packer then?

A That is correct.

Q Do you expect both wells will have to be pumped, both zones will be pumped from the initial date of dual completion?

A Yes, we do. Our No. 4 Well, we attempted to get it to flow by swabbing and we swabbed after it was fracked and we put in 660 barrels of oil and it bled back 250, and after running tubing, we swabbed back the remainder of the 660 barrels of load and could not get it to kick out. We do not expect one location away from it to flow.

MR. NUTTER: Any further questions of Mr. Alexander?

(No response.)

MR. NUTTER: You may be excused.

MR. MC KENNA: Mr. Examiner, I move that Exhibits 1 through 4 be admitted.

MR. NUTTER: Chamber's Exhibits 1 through 4 will be admitted. Do you have anything further?

MR. MC KENNA: No.

MR. NUTTER: Does anyone have anything they wish to offer in Case 2110?

(No response.)



MR. NUTTER: We will take the case under advisement.
(Whereupon, the hearing was adjourned.)

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO



I N D E X

WITNESS:

W. J. ALEXANDER
Direct Examination by Mr. Mc Kenna
Cross-Examination by Mr. Nutter

PAGE

2
6

E X H I B I T S

Number

Marked for
Identification

Offered

Received

App 1 thru 4

2

8

8

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO



STATE OF NEW MEXICO)
) ss
 COUNTY OF BERNALILLO)

I, LEWELLYN NELSON, 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 18 day of November, 1960.

Lewellyn Nelson
 Notary Public-Court Reporter

My commission expires:

June 14, 1964.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 2119 heard by me on 12/19, 1960.
[Signature], Examiner
 New Mexico Oil Conservation Commission

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO

