

CASE 2419: Application of LEONARD
OIL CO. to triple complete its
FEDERAL GINSBERTG WELL NO. 11.

-asa//o.

2419

plication, Transcript,
and Exhibits, Etc.

GOVERNOR
EDWIN L. MECHEM
CHAIRMAN

State of New Mexico
Oil Conservation Commission



LAND COMMISSIONER
E. S. JOHNNY WALKER
MEMBER

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

P. O. BOX 871
SANTA FE

November 3, 1961

Mr. John F. Russell
Campbell & Russell
P. O. Drawer 640
Roswell, New Mexico

Re: Case No. 2419
Order No. R-2115
Applicant:
Leonard Oil Company

Dear Sir:

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

Very truly yours,

A handwritten signature in cursive script, reading "A. L. Porter, Jr.", is written over the typed name.

A. L. PORTER, Jr.
Secretary-Director

ir/

Carbon copy of order also sent to:

Hobbs OCC x

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. 2419
Order No. R-2115

APPLICATION OF LEONARD OIL COMPANY
FOR AN OIL-OIL-OIL TRIPLE COMPLETION,
LEA 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 3rd 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, Leonard Oil Company, is the owner and operator of the Ginsberg-Federal Well No. 11, located in the SW/4 NW/4 of Section 31, Township 25 South, Range 38 East, NMPM, Lea County, New Mexico.

(3) That the applicant proposes to complete the said Ginsberg-Federal Well No. 11 as a triple completion (conventional) in such a manner as to permit the production of oil from the Justis Blinebry Pool through a string of 2 1/16-inch tubing and from an undesignated Tubb pool and the Justis Fusselman Pool through parallel strings of 2 3/8-inch tubing, the zones to be separated by retrievable type packers.

(4) That the mechanics of the proposed triple 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. 2419
Order No. R-2115

IT IS THEREFORE ORDERED:

(1) That the applicant, Leonard Oil Company, is hereby authorized to complete its Ginsberg-Federal Well No. 11 as a triple completion (conventional) in such a manner as to permit the production of oil from the Justis Blinshy Pool through a string of 2 1/16-inch tubing and from an undesignated Tubb pool and the Justis Fusselman Pool through parallel strings of 2 3/8-inch tubing, the zones to be separated by retrievable type packers.

PROVIDED HOWEVER, That the applicant shall complete, operate, and produce said well in accordance with Rule 112-A of the Commission Rules and Regulations.

PROVIDED FURTHER HOWEVER, That the applicant shall take packer-leakage tests upon completion and annually thereafter during the Gas-Oil Ratio Test Period for the Fusselman zone, or at such other time as the Secretary-Director of the Commission may prescribe.

(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.

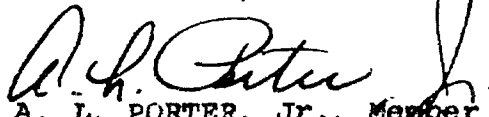
STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION



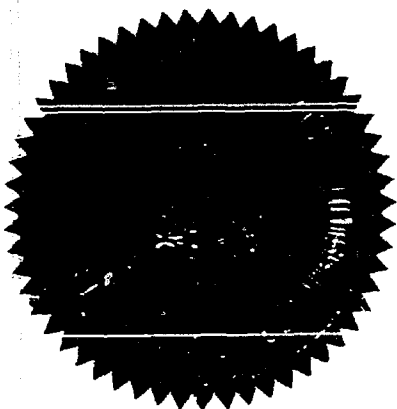
EDWIN L. MECHEM, Chairman



E. S. WALKER, Member



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



esr/

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Date 10/30

CASE 2417

Hearing Date 9 am 10/25

DEN @ SF

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

Enter an order approving Leonard Oil Co's proposal to triple complete its Ginsberg Federal Well No 11, loc in the SW 1/4 NW 1/4 Sec 31 T 25S, R 38 E, in the Justis Bl., undesignated Tulsa and the Justis Fossilman pools.

This is a triple completion (conventional) and operator will produce the Bl thru 2 1/2" Hydril tubing and the Tulsa, and Fossilman thru parallel strings of 2 3/8" in tubing

Provide for segregation and/or perfor-
mance tests upon completion and
annually thereafter during GOR test period
for the Fossilman zone

San Juan
Examiner

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, $\frac{1}{4}$ 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

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 Blinebry 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.

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 Ilondo 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,

JACK M. CAMPBELL
JOHN F. RUSSELL

LAW OFFICES OF
CAMPBELL & RUSSELL
J. P. WHITE BUILDING - P. O. ~~BOX 871~~ DRAWER 640
ROSWELL, NEW MEXICO

TELEPHONES
MAIN 2-4641
MAIN 2-4642

October 2, 1961

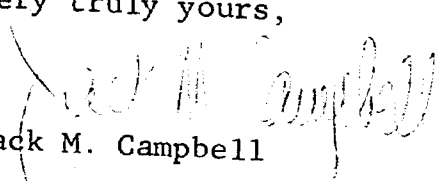
Oil Conservation Commission
Box 871
Santa Fe, New Mexico

Gentlemen:

Enclosed for filing please find application of
Leonard Oil Company for a triple completion.

We would like to request that this matter be set
down for hearing before an examiner at the October 25 hearing.

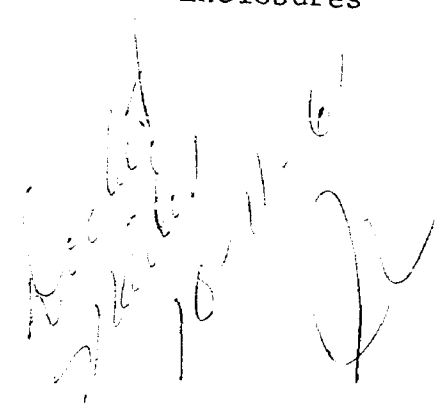
Very truly yours,


Jack M. Campbell

For CAMPBELL & RUSSELL

JMC:np

Enclosures



NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

5-1-61

APPLICATION FOR MULTIPLE COMPLETION

Case 2419

Operator LEONARD OIL COMPANY		County LEA	Date 10-2-1961
Address P.O. BOX 400 ROSWELL, NEW MEXICO		Lease FEDERAL GINSBERG	Well No. 11
Location of Well Unit E	Section 31	Township 25S	Range 38E

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES ☒ NO ☐ REQUEST HEARING

2. If answer is yes, identify one such instance: Order No. _____; Operator, Lease, and Well No.: _____

REQUEST HEARING

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	JUSTIS BLINEBRY	UNDESIG TUBB	JUSTIS FUSSELMAN
b. Top and Bottom of Pay Section (Perforations)	5265 - 5448	5709 - 5843	6938 - 6972
c. Type of production (Oil or Gas)	Oil	Oil	Oil
d. Method of Production (Flowing or Artificial Lift)	FLOWING	FLOWING	FLOWING

4. The following are attached. (Please mark YES or NO)

☒ a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.

☒ b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.

☐ c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.* REQUEST HEARING

☐ d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.) REQUEST HEARING

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES ☐ NO ☒ If answer is yes, give date of such notification _____

CERTIFICATE: I, the undersigned, state that I am the GENERAL MANAGER of the LEONARD OIL COMPANY (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Robert H. Hix
Signature

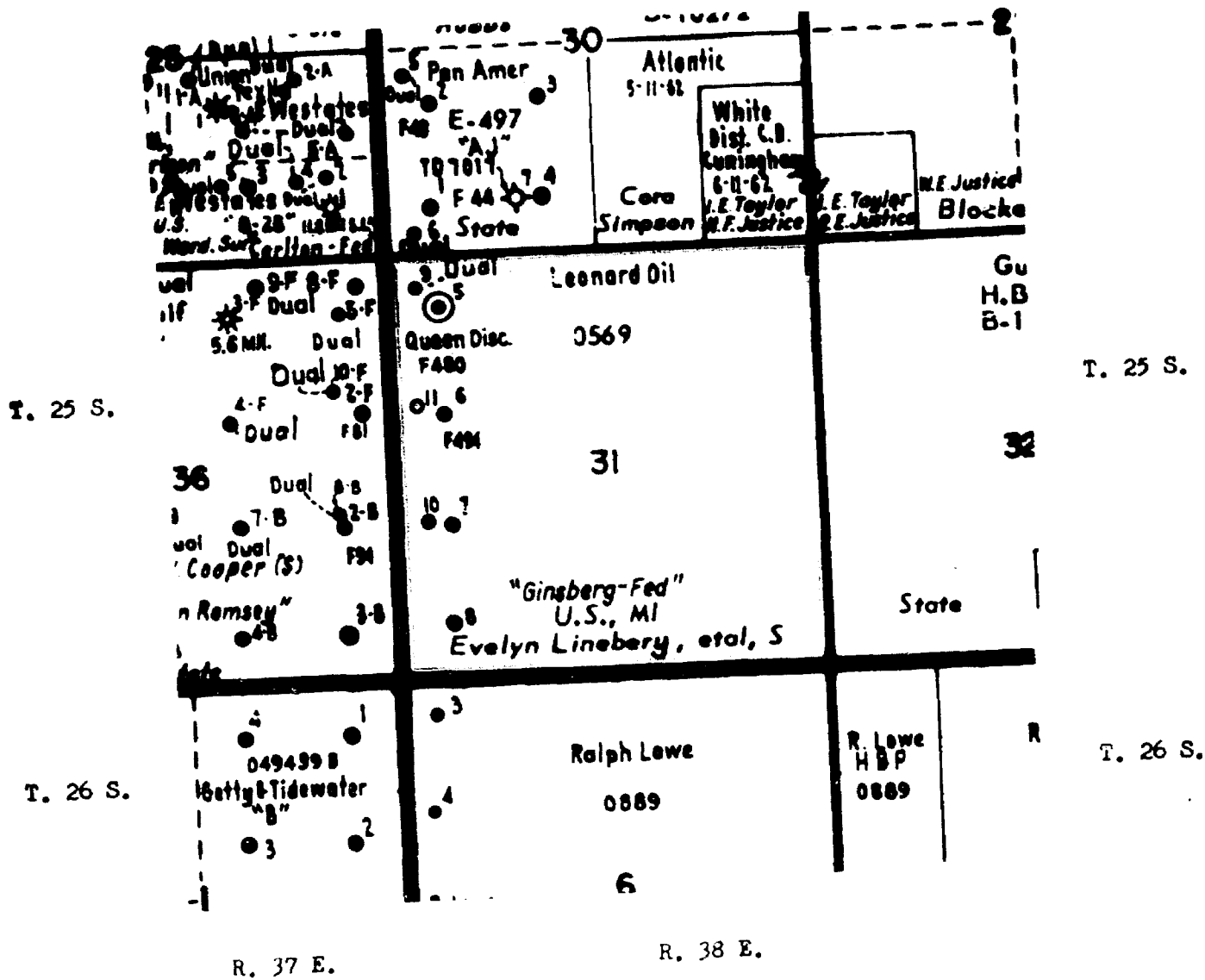
* Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard production unit in either or both of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

24-49

R. 37 E.

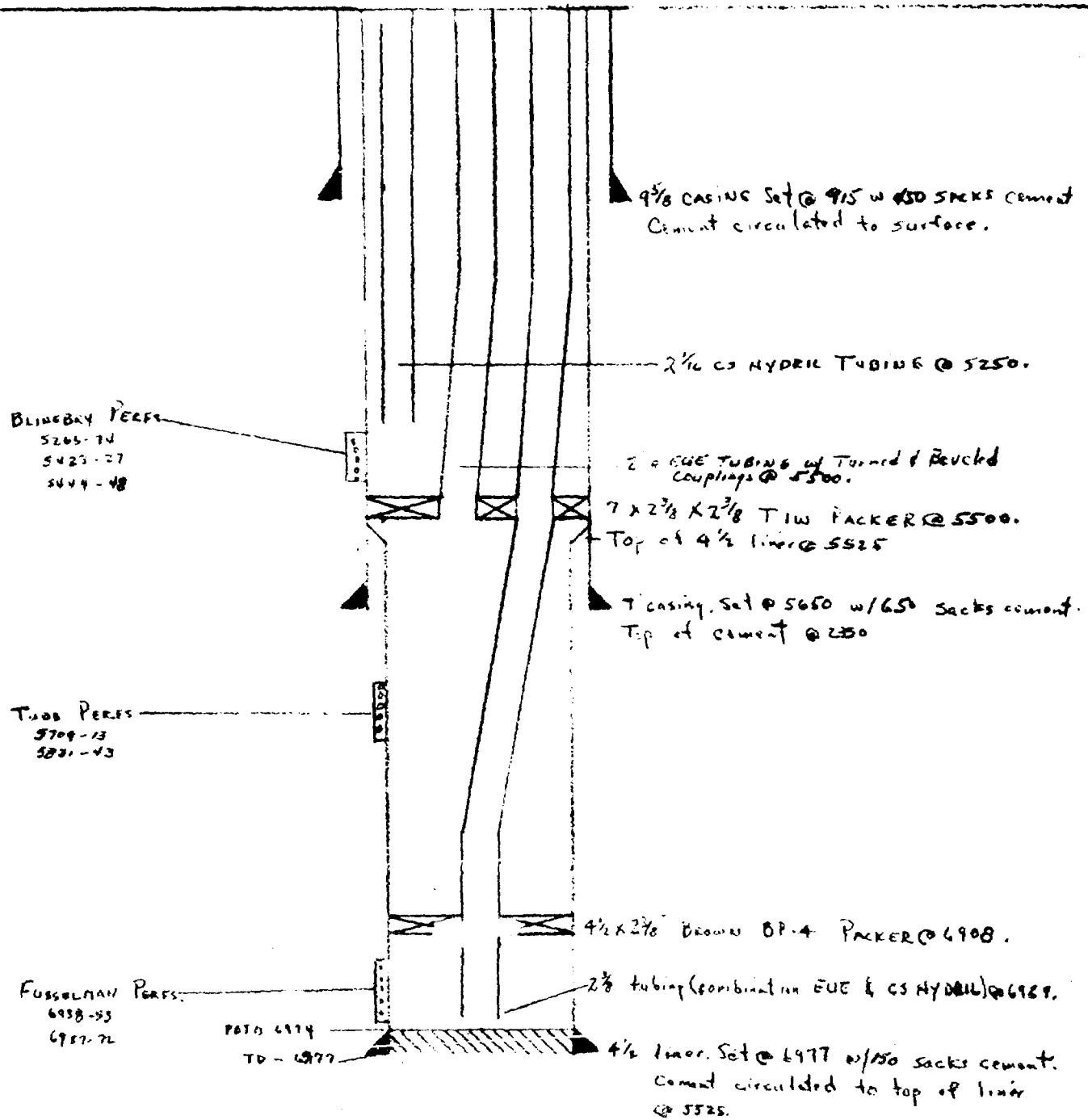
R. 38 E.



DIAGRAMMATIC SKETCH OF MECHANICAL INSTALLATION OF PROPOSED TRIPLE COMPLETION.

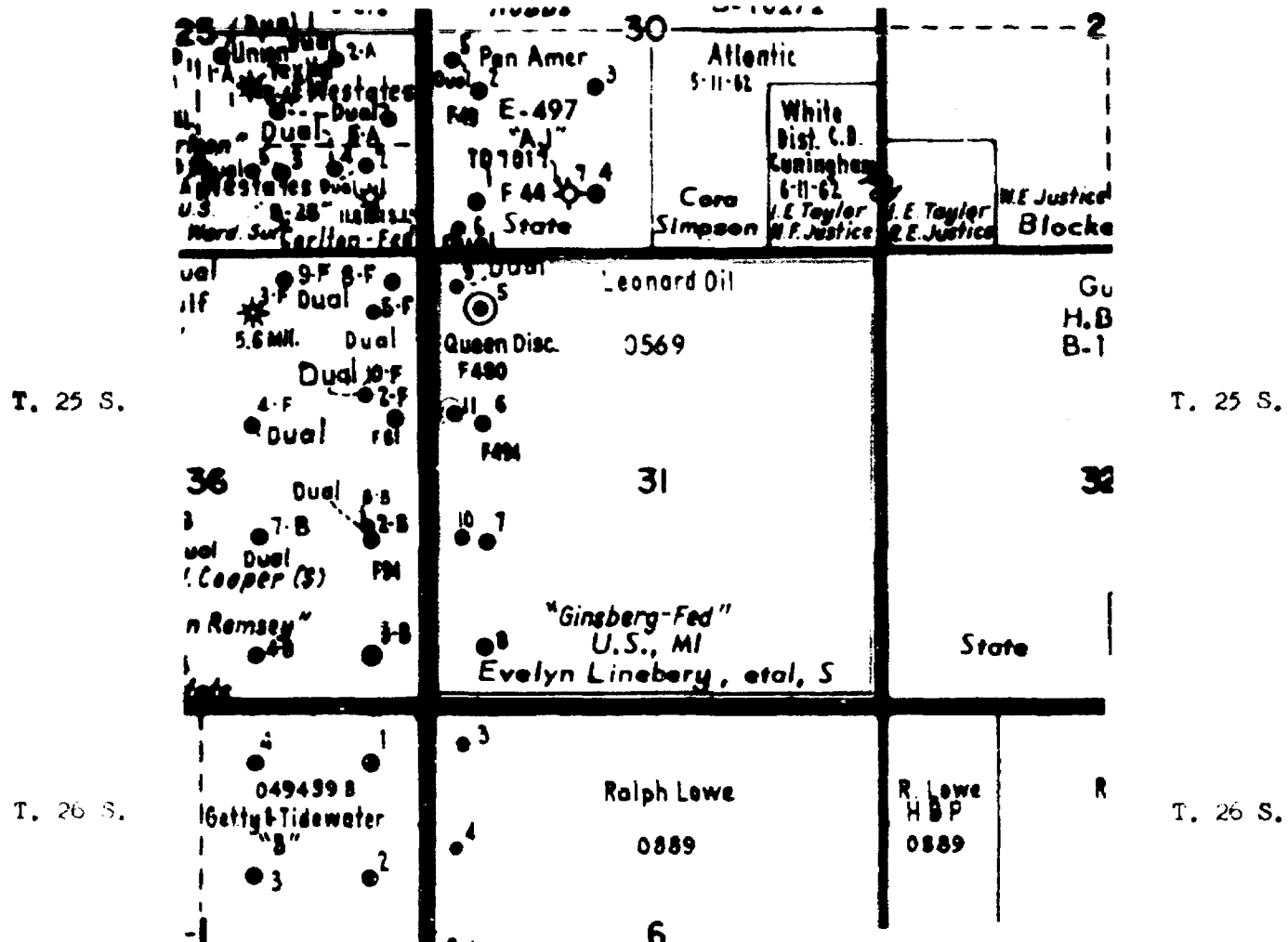
LEONARD OIL COMPANY - GINSBERG FEDERAL #11

FROM THE: JUSTIS BLINEBRY POOL
UNDESIG TUBB POOL
JUSTIS FUSSELLMAN POOL.



R. 37 E.

R. 38 E.



R. 37 E.

R. 38 E.

Part of
Lea County, New Mexico.

Legend

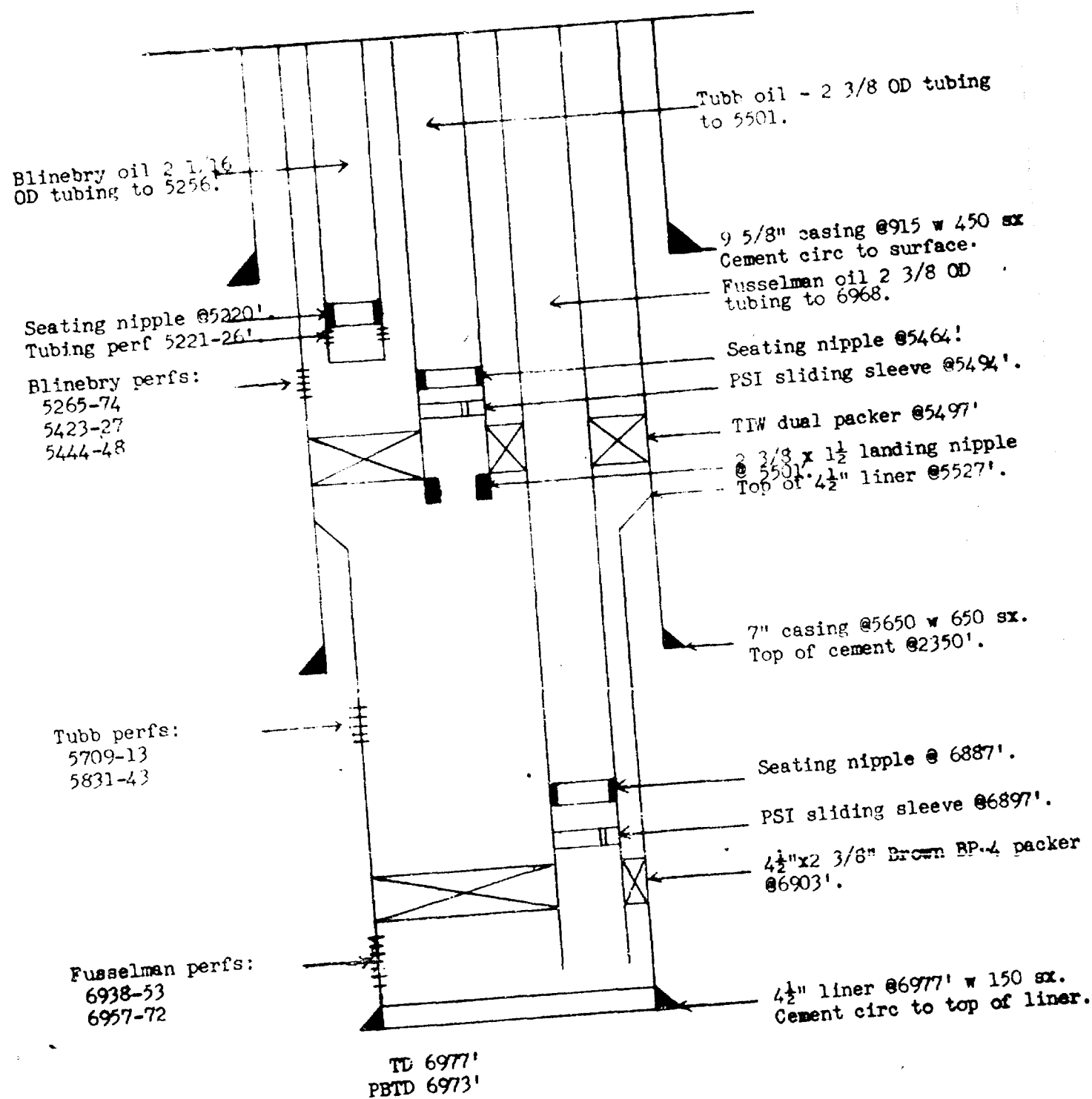
- Pertinent Leonard Lease
- Pertinent Leonard Well.

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

DIAGRAMMATIC SKETCH OF MECHANICAL INSTALLATION OF PROPOSED TRIPLE COMPLETION.

LEONARD OIL COMPANY - GINSBERG FEDERAL #11

FROM THE: JUSTIS BLINEBRY POOL
UNDESIG TUBB POOL
JUSTIS FUSSELMAN POOL



DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6591

ALBUQUERQUE, NEW MEXICO

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

EXAMINER HEARING

IN THE MATTER OF:)

)
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 Blinebry Pool, in an undesig-)
nated Tubb Pool and in the Justis Fussel-)
man 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 Bline-)
bry zone through a string of 2 1/16-inch)
tubing.)

CASE 2419

BEFORE: Mr. Daniel S. Nutter, Examiner

TRANSCRIPT OF HEARING

MR. MORRIS: Application of Leonard Oil Company for
a triple completion, Lea County, New Mexico.

MR. RUSSELL: John V. Russell of Campbell and Russell,
appearing for the applicant. I have one witness, Mr. Fowler
Hix.

(Witness sworn.)



FOWLER HIX

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

DIRECT EXAMINATION

BY MR. RUSSELL:

Q Will you please state your name, residence, employer, and the capacity in which you are employed?

A Fowler Hix, General Manager for Leonard Oil Company in Roswell.

Q Have you previously qualified to give expert testimony before this Commission?

A Yes.

Q You are acquainted with the application in this case, are you not?

A Yes, sir.

Q What does the applicant seek to obtain through this application?

A The applicant seeks to obtain permission to triple complete our Federal Ginsberg No. 11 well from the Justis Blinbry undesignated Tubb and Justis Fusselman Pools, through parallel strings of tubing. The Justis Blinbry being 2 1/16 tubing, and the Tubb and Fusselman being 2 3/8 OD tubing.

Q Now, did you prepare Exhibit 1 which consists of

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

ALBUQUERQUE, N. M.
PHONE 243-6691



two pages?

A Yes.

(Whereupon, Applicant's Exhibit No. 1 was marked for identification.)

Q Referring to the first page, will you explain that portion of your exhibit?

A Page 1 of Exhibit 1 is a plat of a portion of Southeast Lea County showing Section 31, which is Leonard's Federal Ginsberg lease which is outlined in red. The No. 11 well, which is in Unit E, located 1815 feet from the North line and 33 from the West line, is the well which we're asking to triple complete.

Q What section, township, range is that?

A Section 21, Township 25 South, Range 38 East.

Q This exhibit also shows the offset wells?

A Yes, it shows the offset wells, which several of those have been dually completed, none of which have been triply completed.

Q Now, referring to the second page of the exhibit, will you explain that to the Commission?

A Page 2 is a diagrammatic sketch of the mechanical installation of our proposed triple completion. By referring to this diagrammatic sketch precisely, I would like to give you a brief explanation of what we have done toward testing these zones.



DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182ALBUQUERQUE, N. M.
PHONE 243-6651

We'll use the diagrammatic sketch in some instances. First, we set 9 5/8 casing at 915 feet with 450 sacks of cement, and cement was circulated to the surface and then 8 3/4 hole was drilled to 5650, at which point we set 7-inch casing with 650 sacks. The top of the cement from temperature survey was 2350.

Then we drilled a 6 1/4 hole to 6977, at which point we set a 4 1/2-inch liner with 150 sacks and cement was circulated to the top of the liner, and approximately 20 sacks of cement were reversed off the top of the liner.

The top of the 4 1/2-inch liner is at 5527. After the cementing, and we drilled out to 6973, perforated the Fusselman from 6938 to 53, and 6957 to 72; then we set with 2 3/8 tubing the Brown BP4 packer, which is shown at 6903, and acidized these perforations with 500 gallons of mud acid, and it tested 120 barrels of oil in 24 hours, GOR 451 to 1. Gravity, 36.7.

After testing the Fusselman perforations, this Brown BP4 packer is of the type which you can set a tubing plug in the top of the packer through the tubing. We set the tubing plug in the packer, and then unlatched from the packer; prior to unlatching from the packer we bled the pressure off to make sure that the plug was holding, then unlatched from it and removed the tubing from the hole. And, at that time, the BP4 was serving as a bridge plug. Then we perforated the Tubb 5709 to 13, 5831 to 43.



DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182ALBUQUERQUE, N. M.
PHONE 243-6691

We set a 7-inch BP4 packer, which it won't be shown on this diagram because it was just during the testing, but the packer was set at approximately 5500, and treated the perforation with 500 gallons of mud acid, tested 150 barrels of oil in 24 hours, GOR 548 to 1, gravity 36.1.

The purpose of setting the 7-inch packer at 5500 rather than setting a 4½-inch packer near the perforations was that with this 4½-inch liner, when we mutually completed, of necessity we are going to have to have our top packer above the liner, so we tested it under the conditions that we would have to produce it after the mutual completion.

After we tested the Tubb, we went through the same procedure in setting the tubing plug in the top of the 7-inch BP4 as we did the lower one, unlatched from the BP4, perforated the Blinebry 5265 to 74, 5423 to 27, and 5444 to 48. Treated the Blinebry with 22,000 gallons of refined oil, 45,000 pounds of sand. After recovering the load oil, tested 178 barrels of oil in 24 hours, GOR 500 to 1. The gravity, 37.4.

After the Blinebry was tested, we killed the Blinebry with 9.8 pounds per gallon kinex mud washed down to the BP4 packer at 5500 the 7-inch, retrieved from the hole, and when we released the BP4 packer at 5500, the mud which we killed the Blinebry with also served to kill the Tubb with after removing the packer.



DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182ALBUQUERQUE, N. M.
PHONE 243-6691

After that, the only thing that was in the hole at that time would be this BP4 packer at 6903, which was serving as a bridge plug. As you will note, it has two joints of tail pipe on it, because the Fusselman tubing is set at 6698; after that we installed the equipment as shown on this diagrammatic sketch, with the BP4 at 6903, the Fusselman tubing is 2 3/8 OD tubing which has turned, it's just EUE tubing with turned and bevelled couplings.

You'll note that there is a PSI sliding sleeve at 6897. The purpose of this sleeve is that in case we wish to retrieve this packer from the hole at a later date, we can shift the sleeve and circulate at that point which is within six foot of the packer, and can probably unlatch from the packer then and circulate any sand or debris that's on top of the packer.

The seating nipple is at 6887, our dual packer, which is run on the long string and set with the second string, is at 5497. It's a TIW dual packer, which has a sheer pin setting device. From there to the surface is 2 3/8ths tubing. The Tubb tubing is 2 3/8 OD, EUE, with turned and bevelled couplings set to 5501, and is latched into the IW packer and is set, the TIW packer is set by the weight of the Tubb tubing.

You will note on the bottom of the Tubb stripping there is a 2 3/8 by 1 1/2-inch landing nipple at 5501. The purpose of this



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FARMINGTON, N. M.
PHONE 325-1182

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nipple, it was installed in case that at a later date we develop a leak which we couldn't determine whether it was a packer leak or tubing leak, we could set a plug in the nipple and test the pressure leak. We have a sliding sleeve at 5494, the purpose which is the same as the bottom one, so that we could open the sleeve and circulate any debris off this dual packer.

The seating nipple at 5464, and 2 3/8 tubing from there to the surface. Then, our Blinbry oil string is 2 1/16 OD, it's CS hydril, to 5556, which is bull plugged. Tubing perforations, 5221 to 26, seating nipple at 5220.

I might also add that in the Fusselman tubing, the tubing between the two packers is 2 3/8 OD CS hydril. We installed the hydril so we would have more clearance within the liner in case sometime we might have to wash over.

Q If this application is approved, will there be any commingling of the oil after it's produced?

A No. We produce into separate tankage at the surface.

MR. RUSSELL: I would like to offer into evidence Exhibit 1.

MR. NUTTER: Leonard's Exhibit No. 1 will be admitted into evidence.

MR. RUSSELL: I have no further questions.

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



He may be excused.

(Witness excused.)

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

MR. RUSSELL: Nothing further unless it would be necessary that I formally request that Case No. 2420 be dismissed at this time.

MR. NUTTER: We will call that in just a minute.

Does anyone have anything they wish to offer in this case?

We'll take this case under advisement and call Case 2420.

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 2nd day of November, 1961.

Ada Dearnley
Notary Public-Court Reporter

My commission expires:

June 19, 1963.

I do hereby certify that the foregoing is a complete and correct transcript of the proceedings in the Examiner's hearing of Case No. 2419 heard by me on 10/25, 1961.

[Signature], Examiner
New Mexico Oil Conservation Commission

DEARNLEY-MEIER REPORTING SERVICE, Inc.

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