

CASE 2543: Application of G.M.

STRAVE

5-11-0.

2548

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fiction, Transcript,  
all Exhibits, Etc.

NEW MEXICO OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

RECEIVED MAY 23 1962

6-1-56

PACKER-SETTING AFFIDAVIT  
(Dual Completions)

STATE OF Texas )  
County of Runnels ) ss

J. W. Ward, being first duly sworn according to law, upon his oath deposes and says:

That he is of lawful age and has full knowledge of the facts herein below set out.

That he is employed by G. W. Strake in the capacity of Engineer and as such is its authorized agent.

That on May 12, 1962, he personally supervised the setting of a Baker Model "N" Packer in G. W. Strake's  
(Make and Type of Packer) (Operator)

LaBow-Federal Well No. 6, located in Unit  
(lease)  
Letter I, Section 25, Township 19S, Range 30E, NMPM,  
Eddy County, New Mexico.

That said packer was set at a subsurface depth of 2085 feet,  
said depth measurement having been furnished by Steel Line Measurement.

That the purpose of setting this packer was to effect a seal in the annular space between the two strings of pipe where the packer was set so as to prevent the commingling, within the well, of fluids produced from a stratum below the packer with fluids produced from a stratum above the packer. That this packer was properly set and that it did, when set, effectively and absolutely seal off the annular space between the two strings of pipe where it was set in such manner as that it prevented any movement of fluids across the packer.

G. W. Strake  
(Company)

(Signature)  
(its Agent)

Subscribed and sworn to before me this the 21st day of May, AD, 1962.

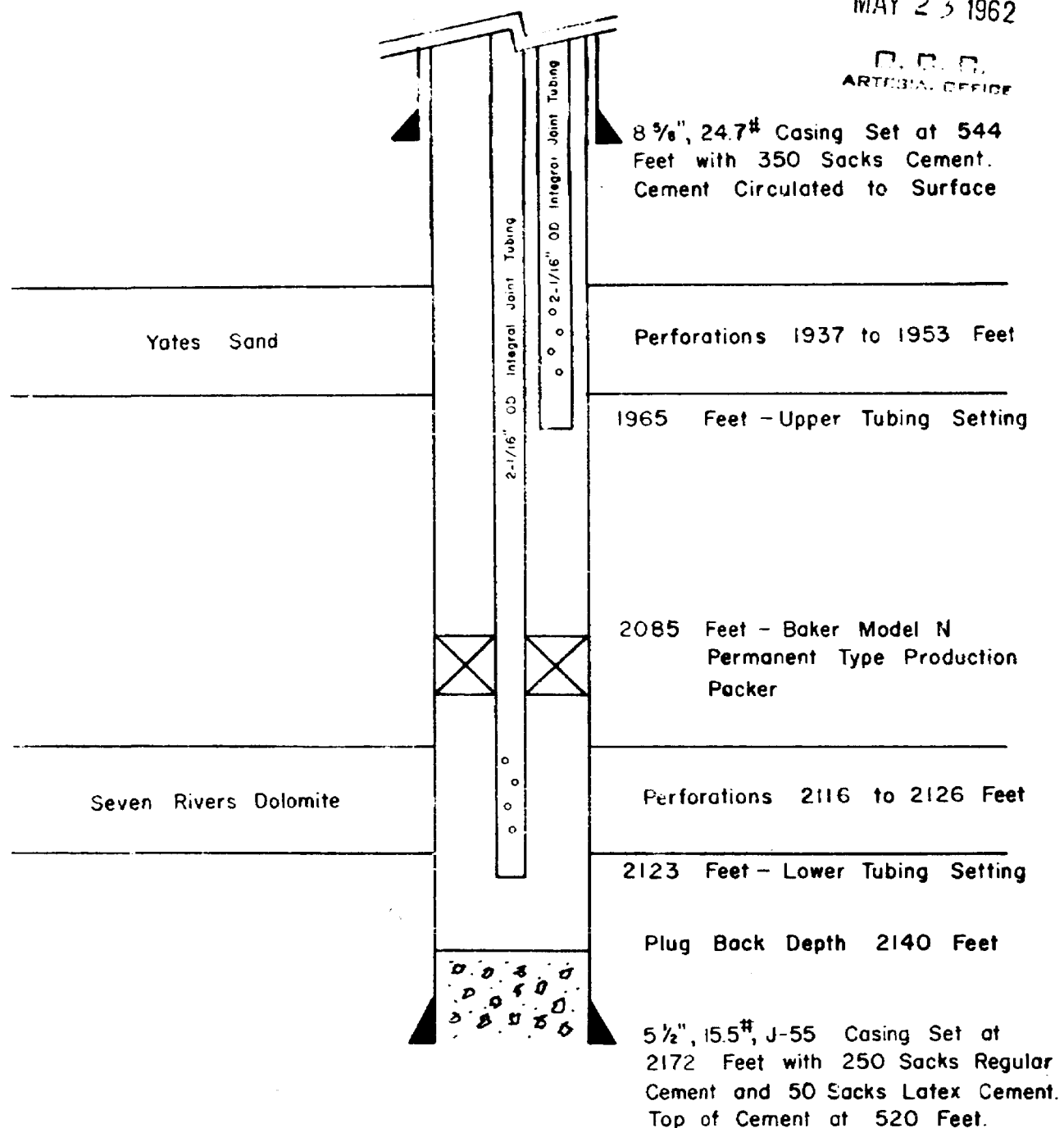
Carley Watkins  
Notary Public in and for the County  
of Runnels

My Commission Expires June 1, 1963.

RECEIVED

MAY 23 1962

D. B. G.  
ARTESIAL OFFICE



ACTUAL MECHANICAL INSTALLATION  
OIL/OIL CONVENTIONAL DUAL COMPLETION  
G.W. STRAKE-LEBOW FEDERAL NO.6  
EDDY COUNTY, NEW MEXICO

Pressure at beginning of test.....	<u>40</u>	<u>40</u>
Stabilized? (Yes or No).....	<u>YES</u>	<u>YES</u>
Maximum pressure during test.....	<u>40</u>	<u>0</u>
Minimum pressure during test.....	<u>40</u>	<u>0</u>
Pressure at conclusion of test.....	<u>40</u>	<u>0</u>
Pressure change during test (Maximum minus Minimum).....	<u>NONE</u>	<u>NONE</u>
Was pressure change an increase or a decrease?.....	<u>NONE</u>	<u>NONE</u>
Well closed at (hour, date) <u>6:30 PM MAY 16, 1962</u>	Total time on Production	<u>4 HOURS</u>
Oil Production	Gas Production	
During Test: <u>5</u> bbls; Grav. <u>31.4</u>	During Test <u>1.45</u> MCF; GOR <u>290</u>	

Remarks 0.2% WATER WAS MADE ON THIS TEST. SINCE THE PRESSURE IS SO LOW ON BOTH ZONES, THE GRAVITY, GAS AND WATER CUT ARE ADDITIONAL EVIDENCE THERE IS NO LEAKAGE IN THIS WELL.

I hereby certify that the information herein contained is true and complete to the best of my knowledge.

Approved MAY 23 1962 19  
New Mexico Oil Conservation Commission

By W. A. Grissett  
Title OIL AND GAS INSPECTOR

Operator G. W. STRAKE

By John W. West

Title ENGINEER

Date MAY 18, 1962

Pressure at beginning of test.....	<u>40</u>	<u>40</u>
Stabilized? (Yes or No).....	<u>YES</u>	<u>YES</u>
Maximum pressure during test.....	<u>40</u>	<u>0</u>
Minimum pressure during test.....	<u>40</u>	<u>0</u>
Pressure at conclusion of test.....	<u>40</u>	<u>0</u>
Pressure change during test (Maximum minus Minimum).....	<u>NONE</u>	<u>NONE</u>
Was pressure change an increase or a decrease?.....	<u>NONE</u>	<u>NONE</u>

Well closed at (hour, date) <u>6:30 PM MAY 16, 1962</u>	Total time on Production <u>4 HOURS</u>
Oil Production	Gas Production
During Test: <u>5</u> bbls; Grav. <u>31.4</u>	During Test <u>1.45</u> MCF; GOR <u>290</u>

Remarks 0.2% WATER WAS MADE ON THIS TEST. SINCE THE PRESSURE IS SO LOW ON BOTH ZONES, THE GRAVITY, GAS AND WATER CUT ARE ADDITIONAL EVIDENCE THERE IS NO LEAKAGE IN THIS WELL.

I hereby certify that the information herein contained is true and complete to the best of my knowledge.

Approved MAY 23 1962 19  
New Mexico Oil Conservation Commission

By [Signature]  
Title W. M. OIL INSPECTOR

Operator G. W. STRAKE

By [Signature]

Title ENGINEER

Date MAY 18, 1962

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

May 3, 1962

Mr. Howard Bratton  
Harvey, Low & Hinkle  
Box 10  
Roswell, New Mexico

Re: Case No. 2543  
Order No. R-2233  
Applicant:  
G. W. Strake

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

ir/

Carbon copy of order also sent to:

Hobbs OCC x

Artesia OCC x

Aztec OCC \_\_\_\_\_

OTHER \_\_\_\_\_  
\_\_\_\_\_

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

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

CASE NO. 2543  
Order No. R-2233

APPLICATION OF G. W. STRAKE FOR A  
DUAL COMPLETION, EDDY COUNTY,  
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on April 25, 1962, at Santa Fe, New Mexico, before Elvis A. Utz, 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 May, 1962, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Elvis A. Utz, 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, G. W. Strake, seeks permission to complete the LeBow-Federal Well No. 6 located in Unit I of Section 25, Township 19 South, Range 30 East, NMPM, Eddy County, New Mexico, as a dual completion (conventional) in the North Hackberry-Yates and Hackberry-Seven Rivers Pools with the production of oil from both pools to be through parallel strings of 2 1/16-inch tubing.

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

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



-2-

Case No. 2543

Order No. R-2233

IT IS THEREFORE ORDERED:

(1) That the applicant, G. W. Strake, is hereby authorized to complete the LeBow-Federal Well No. 6 located in Unit I of Section 25, Township 19 South, Range 30 East, NMPM, Eddy County, New Mexico, as a dual completion (conventional) in the North Hackberry-Yates and Hackberry-Seven Rivers Pools with the production of oil from both pools to be through parallel strings of 2 1/16-inch tubing.

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

PROVIDED FURTHER, That the applicant shall conduct packer-leakage tests upon completion and annually thereafter during the Annual Gas-Oil Ratio Test Period for the Seven Rivers formation, and at such other times 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.

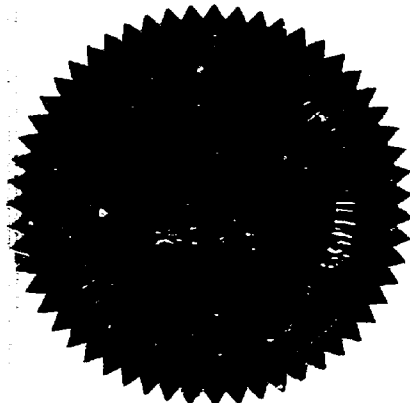
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

  
EDWIN L. MECHEM, Chairman

  
E. S. WALKER, Member

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



ir/

Case 2543

Heard 4-25-62

Rec. 4-26-62

Grant. H. W. Strake request for a dual.  
Oil-Oil completion in the Harkness-  
Yates and Harkness-Sum Rivers  
Oil Pools.

2. A string of  $7\frac{1}{2}$ " tubing will be used to flow  
each zone.

3. Natural Dual (conventional)  
order.

Thos. H. V. H.

DOCKET: EXAMINER HEARING - WEDNESDAY - APRIL 25, 1962

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

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

- CASE 2532: Application of Zapata Petroleum Corporation for two additional injection wells, Maljamar Pool, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to convert its Phillips 8-B Wells No. 3 and 5 located respectively in Units H and B, Section 19, Township 17 South, Range 33 East, Lea County, New Mexico, to water injection wells in its pilot waterflood project in the Maljamar (Grayburg-San Andres) Pool authorized by Order No. R-2157.
- CASE 2533: Application of Amerada Petroleum Corporation for a pressure maintenance project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to institute a pressure maintenance project in that portion of the Saunders Permo-Pennsylvanian Pool underlying the S/2 S/2 of Section 3 and N/2 of Section 10, Township 15 South, Range 33 East, Lea County, New Mexico, with the injection of water into the Pennsylvanian formation initially to be through one well located in the NE/4 NW/4 of said Section 10.
- CASE 2534: Application of Amerada Petroleum Corporation for a quadruple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its State NJ "A" Well No. 3 located in Unit A of Section 2, Township 25 South, Range 37 East, Lea County, New Mexico, as a quadruple completion (combination) in the San Andres, Blinebry, Drinkard and Devonian formations in the North Justis Field with the production of oil from the Devonian and Drinkard formations to be through separate strings of 1 1/2-inch tubing set within parallel strings of 3 1/2-inch casing, and the production of oil from the Blinebry formation through a parallel string of 2 7/8-inch casing; applicant proposes to dispose of salt water into the San Andres formation through a parallel string of 2 3/8-inch casing.
- CASE 2535: Application of Amerada Petroleum Corporation for a quadruple completion and a non-standard gas proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its L. G. Warlick "A" Well No. 1, located in Unit I of Section 19, Township 21 South, Range 37 East, Lea County, New Mexico, as a quadruple completion

(combination) in the Eumont Gas, Blinebry Oil, Penrose-Skelly Oil and Drinkard Oil Pools with the production of oil from the Drinkard and Penrose-Skelly formations to be through parallel strings of 2 7/8-inch casing, the production of oil from the Blinebry formation through a string of 1 1/4-inch tubing set within another parallel string of 2 7/8-inch casing and the production of gas from the Eumont formation through the casing-tubing annulus. Applicant further seeks the establishment of a 160-acre non-standard gas proration unit in the Eumont Gas Pool comprising the S/2 NE/4 and the N/2 SE/4 of said Section 19, said unit to be dedicated to said L. G. Warlick "A" Well No. 1.

CASE 2536:

Application of William A. & Edward R. Hudson for a secondary recovery project, Maljamar Pool, Eddy County, New Mexico. Applicants, in the above-styled cause, seek permission to institute a secondary recovery project in the Maljamar Pool in an area underlying their Puckett "A" and "B" Leases located in Section 24, Township 17 South, Range 31 East, Eddy County, New Mexico, with the injection of water into the Grayburg-San Andres formation initially to be through six wells, said project to be governed by the provisions of Rule 701.

CASE 2537:

Application of J. C. Williamson for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its Westates-Federal Well No. 8 located in Unit E of Section 1, Township 25 South, Range 37 East, Lea County, New Mexico, as a dual completion (conventional) in the North Justis-McKee Pool and an undesignated Montoya pool with the production of oil from both zones to be through parallel strings of tubing.

CASE 2538:

Application of Southwest Production Company for a non-standard oil proration unit, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks the establishment of a 73.89-acre non-standard oil proration unit in the Cha Cha-Gallup Oil Pool comprising the NE/4 SE/4 and that portion of the NW/4 SE/4 lying North of the mid-channel of the San Juan River, of Section 16, Township 29 North, Range 14 West, San Juan County, New Mexico, said unit to be dedicated to the Foutz-State Well No. 1, located 1912 feet from the South line and 2310 feet from the East line of said Section 16.

- CASE 2539: Application of Pan American Petroleum Corporation for an exception to Order No. R-333-E, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-333-E to permit the extension of the terminal date for the 1961 deliverability test period from December 15, 1961, to March 1, 1962, for ten wells located in Townships 27 and 28 North, Ranges 10 and 11 West, San Juan County, New Mexico.
- CASE 2540: Application of Pan American Petroleum Corporation for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its State "CK" Well No. 2, located in the NE/4 SW/4 of Section 19, Township 21 South, Range 37 East, Lea County, New Mexico, as a triple completion in the Drinkard, Blinebry and Paddock Oil Pools with the production of oil from the Blinebry and Drinkard formations and the production of undetermined hydrocarbons from the Paddock formation.
- CASE 2541: Application of J. Glenn Turner for a dual completion, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its Ballard Well No. 11-15 located in Unit D of Section 15, Township 26 North, Range 9 West, San Juan County, New Mexico, as a dual completion (conventional) in the Basin-Dakota Gas Pool and an undesignated Gallup oil pool with the production of gas from the Dakota formation and the production of oil from the Gallup formation to be through parallel strings of 2 1/16-inch tubing.
- CASE 2542: Application of La Plata Gathering System, Inc. for a dual completion, a non-standard gas proration unit, and an unorthodox gas well location, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete a gas well to be located at an unorthodox gas well location 1980 feet from the South line and 734 feet from the East and West lines of Section 19, Township 32 North, Range 5 West, Rio Arriba County, as a dual completion (conventional) in the Blanco-Mesaverde and Basin-Dakota Gas Pools with the production of gas from the Dakota formation to be through a string of 2 1/16-inch tubing and the production of gas from the Mesaverde formation to be through a parallel string of 1 1/2-inch tubing. Applicant further seeks the establishment of a 355.25-acre non-standard gas proration unit in the aforesaid pools comprising all of Sections 18 and 19, in said township to be dedicated to the above-described well.

- CASE 2543: Application of G. W. Strake for a dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its LeBow-Federal Well No. 6 located in Unit I of Section 25, Township 19 South, Range 30 East, Eddy County, New Mexico, as a dual completion (conventional) in the North Hackberry-Yates and Hackberry-Seven Rivers Pools with the production of oil from both formations to be through parallel strings of 2 1/16-inch tubing.
- CASE 2544: Application of Perry R. Bass for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Plains Unit Agreement embracing 7,198.01 acres, more or less, of federal lands in Township 19 South, Range 32 East, Lea County, New Mexico.
- CASE 2545: Application of The British American Oil Producing Company for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Jalmat Field-Yates Sand Unit Agreement embracing 2,760 acres, more or less, of State and fee lands in Township 22 South, Range 35 East, Lea County, New Mexico.
- CASE 2546: Application of The British American Oil Producing Company for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to institute a waterflood project in the Yates formation in the Jalmat Pool in an area underlying its proposed Jalmat Field-Yates Sand Unit Area, comprising 2,760 acres, more or less, in Township 22 South, Range 35 East, Lea County, New Mexico, with injection of water initially to be through 16 wells located within said unit area, the project to be governed by the provisions of Rule 701.

GEORGE W. STRAKE  
3300 GULF BUILDING  
OFFICE OCC HOUSTON, TEXAS

1962 MAR 20 AM 8:17

West Texas District Office  
POST OFFICE BOX 837  
WINTERS, TEXAS  
March 28, 1962

New Mexico Oil Conservation Commission  
P. O. Box 871  
Santa Fe, New Mexico

Attention: Mr. R. S. Morris

Dear Sir:

It is respectfully requested that a hearing be set at the earliest possible time to consider G. W. Strake's application for permission to complete his LeBow-Federal Well No. 6 located in Unit I of Section 25, Township 19 South, Range 30 East, Eddy County, New Mexico, as a dual completion (conventional) in the North Hackberry, Yates and Hackberry Seven Rivers Pools. The production of oil from the Seven Rivers will be through a string of 2-1/16 inch tubing and the production of oil from the Yates zone will be through a parallel string of 2-1/16 inch tubing.

We enclose for your consideration a plat of the area illustrating all producing wells offsetting the LeBow-Federal Lease as well as a diagram of the anticipated mechanical dual installation for Well No. 6.

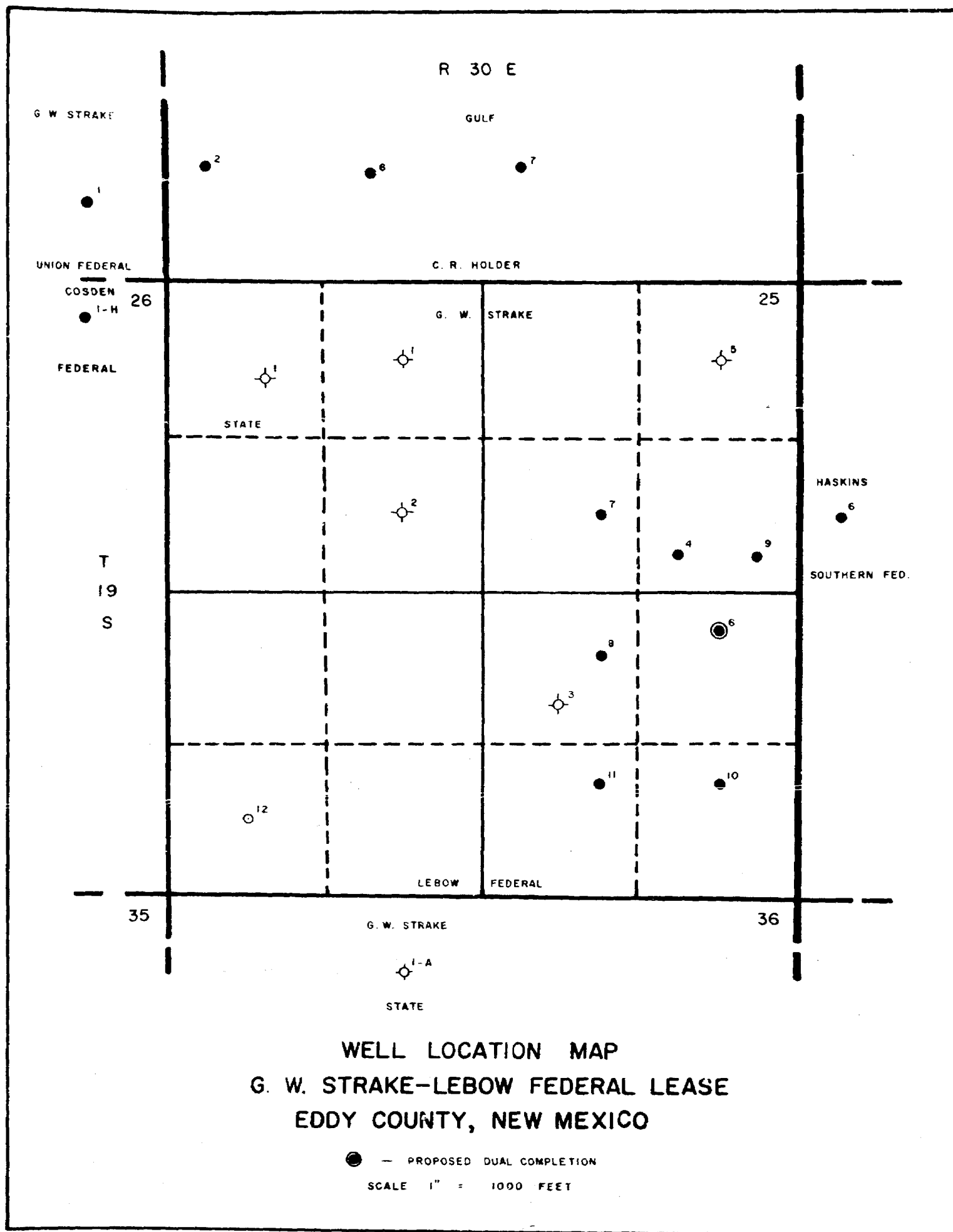
Yours very truly,

G. W. STRAKE

By C. R. Mote  
C. R. Mote

JWW:sm  
Enclosures

*W. J. Strake*  
*4/12/62*  
*2*





DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.  
PHONE 325-1182

ALBUQUERQUE, N. M.  
PHONE 243-8691

BEFORE THE  
OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO  
April 25, 1962

IN THE MATTER OF:

Application of G. W. Strake for a dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its L Bow Federal Well No. 5 located in Unit I of Section 25, Township 19 South, Range 30 East, Eddy County, New Mexico, as a dual completion (conventional) in the North Hackberry-Yateo and Hackberry-Seven Rivers Pools with the production of oil from both formations to be through parallel strings of 2 1/16-inch tubing.

CASE  
2543

BEFORE:

Elvis A. Utz, Examiner.

TRANSCRIPT OF HEARING

MR. UTZ: Case 2543.

MR. MORRIS: Application of G. W. Strake for a dual completion, Eddy County, New Mexico.

MR. BRATTON: Howard Bratton on behalf of the applicant.

We have one witness.

(Witness sworn)

MR. UTZ: Are there other appearances in this case?



(Examination, As Means to  
Exhibit 1 Through 4 marked  
for identification)

MR. UTZ: You may proceed.

MR. BRATTON: If the Examiner please, this case comes on for hearing as a result of a recent case, I believe, before yourself, Case Number 2291, in which Order R-2199 was entered creating a new pool designated as the Hackberry-Seven Rivers Pool. As a result of that, we have a proposed dual completion in the North Hackberry-Yates and the Hackberry-Seven Rivers. I believe the reason the matter comes on for hearing before the Examiner, rather than the administrative hearing, is that this is the first completion to these two formations since the pool was authorized.

MR. UTZ: That's correct.

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

DIRECT EXAMINATION

BY MR. BRATTON:

Q Will you state your name and by whom you are employed and what capacity?

A Jerry W. Ward. I'm a petroleum engineer for G. W. Strake of Houston, Texas.

Q Are you familiar with the area under consideration and the well in question?

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.  
PHONE 325-1182

ALBUQUERQUE, N. M.  
PHONE 243-6691



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FARMINGTON, N. M.  
PHONE 325-1182

ALBUQUERQUE, N. M.  
PHONE 243 6691

A Yes, sir.

Q And the matters contained in the application in this case?

A Yes, sir.

Q Have you previously testified before this Commission as an expert witness?

A I have.

Q Will you refer to your Exhibit Number 1 and explain what that is?

A Exhibit Number 1 is a well location map which shows the location of the well that is proposed for dual completion, the LeBow-Federal No. 6. We have circled the well.

Q That well is in the Northeast of the Southeast of Section 25, 19 South, 30 East.

A That's correct.

Q That location was included in the Hackberry-Seven Rivers Pool by Order Number R-2199?

A That's correct.

Q Does that show the other completions in the area and the formations in which they're completed?

A It does not show the formation that each well is completed in. However, all the wells except two others are Yates producers and wells Number 4 and 7 produce from the Seven Rivers exclusively.



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PHONE 325-1182

ALBUQUERQUE, N. M.  
PHONE 243-6691

Q There's no well dually completed in the two formations?

A No, sir.

Q Refer then to your Exhibit Number 2, H. Ward, explain what that is.

A Exhibit 2 is the acoustic log of the well with the gamma ray and the acoustic curve, on which we have indicated the perforated intervals in red, and typewritten to the right hand side of the red marker we have indicated the name of the formation and the perforations. On the log we have shaded an area at about 2,000 feet which we previously testified was a dense streak between these two reservoirs and that has been shaded to coincide with cross sections which were previously submitted to the Commission.

Q Mr. Ward, the top of the Yates is roughly where above perforations there?

A It's approximately 1920. The geological top.

Q Then the top of the Seven Rivers in this well would be in the area of your shaded area?

A Well, the actual Seven Rivers itself, the shaded area we have described previously as being a dense streak of the dense streak which separates the reservoirs, however the Seven Rivers actual top comes in somewhere around 2110.

Q The Commission Order did not designate vertical limits?

A No, sir.



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FARMINGTON, N. M.  
PHONE 35-1182

ALBUQUERQUE, N. M.  
PHONE 243-6691

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but the two completions are in, the proposed completions are in the Seven Rivers and in the Yates.

A Yes, sir.

Q Refer then to your Exhibit Number 3, Mr. Ward.

A Exhibit 3 is a table of well data which shows the location of the well and the casing program for surface casing and oil string. Most of this information will be shown on the Exhibit 4 which we will discuss later. Some of the information which will not be on that Exhibit would be the well tests shown on the second page. The most recent test we have on the Yates sand is indicated, it's a 24 hour test, with a GOR of 219 and bottom hole pressure of 410. The oil gravity is 31.4 degrees API. The Seven Rivers is not presently producing in this well, so we don't have a production test, but we know that it is productive because we swabbed it on an initial completion. However, we have taken data from well Number 4, a Seven Rivers producer, and we assume that this well will have about the same data which we show, a gas-oil ratio of zero, primarily because it is in a volume too small to measure, and an oil gravity of 18.1 degrees API. A bottom hole pressure of 576 pounds.

Q Your well No. 4 is your direct north offset producing in the Seven Rivers?

A Yes, sir.

Q Turn to your Exhibit Number 4, Mr. Ward, the actual installation you propose. Explain what it reflects.



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FARMINGTON, N. M.  
PHONE 325.1182ALBUQUERQUE, N. M.  
PHONE 243.6691

A It is a diagram of our proposed mechanic installation, it shows the surface casing at 8-1/8, set at 2172 feet. It has been written that the cement was circulated to the surface behind the surface pipe. We have indicated the Yates sand perforation from 1937 to 1953 feet, we have shown the proposed location of a permanent type production packer to be at 2,090 feet, we show the Seven Rivers dolomite to be perforated from 2115 to 26 feet, and our long string or oil string surface casing 5-1/2 inch set at 2172 feet; we have also indicated the cement program which was used to set that casing and the temperature survey indicated the top to be 520 feet from the surface which we would like to point out is about 25 feet up inside the surface pipe.

Q So you have got cement to surface, you might say?

A That's correct. We also indicate the size, or the proposed size of the tubing strings to be 2 and 1/16 inch OD integral joint tubing, both strings will be that size.

Q Do you have a retrievable packer in here at the moment?

A It's a retrievable type packer, it's a bridge plug, retrievable bridge plug which was set after the Seven Rivers was swab tested.

Q Do you anticipate any trouble in pumping?

A No, we intend to run inch and a quarter pumps and



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FARMINGTON, N. H.  
PHONE 325-1182

ALBUQUERQUE, N. M.  
PHONE 243-6691

5/8 inch sucker rod. At that depth that would certainly be adequate.

Q Is there anything unusual about this dual completion, Mr. Ward?

A No, sir.

Q Any problems you would anticipate in connection with it?

A No, sir.

Q Do you propose to take the packer leakage test required by the Commission and furnish the information as required?

A Yes, sir.

Q Is there anything else you care to say in connection with this application?

A No, sir.

Q Did you prepare Exhibit 1 through 4?

A I did.

MR. BRATTON: We will offer Exhibits 1 through 4 in evidence.

MR. UTZ: Without objection Exhibits 1 through 4 will be entered into the record of this case.

CROSS EXAMINATION

BY MR. UTZ:

Q Mr. Ward, both of these completions are presently complete in the horizontal limits of these defined pools?

A In what?



Q. Presently completed in the horizontal limits of these defined pools?

A. Yes, sir.

MR. UTZ: Any questions of the witness?

MR. BRATTON: No, sir.

MR. UTZ: The witness may be excused.

(Witness excused)

MR. UTZ: Are there any statements in this case? The case will be taken under advisement.

**DEARNLEY-MEIER REPORTING SERVICE, Inc.**

FARMINGTON, N. M.  
PHONE 325-1192

ALBUQUERQUE, N. M.  
PHONE 243-6691





DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.  
PHONE 325-1182

ALBUQUERQUE, N. M.  
PHONE 243-6691

STATE OF NEW MEXICO )  
COUNTY OF BERNALILLO )

I, ADA DEARNLEY, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached transcript of Hearing was reported by me in Stenotype and that the same was reduced to typewritten transcript under my personal supervision and contains a true and correct record of said proceedings, to the best of my knowledge, skill and ability.

DATED this 25th day of April, 1962, in the City of Albuquerque, County of Bernalillo, State of New Mexico.

*Ada Dearnley*  
NOTARY PUBLIC

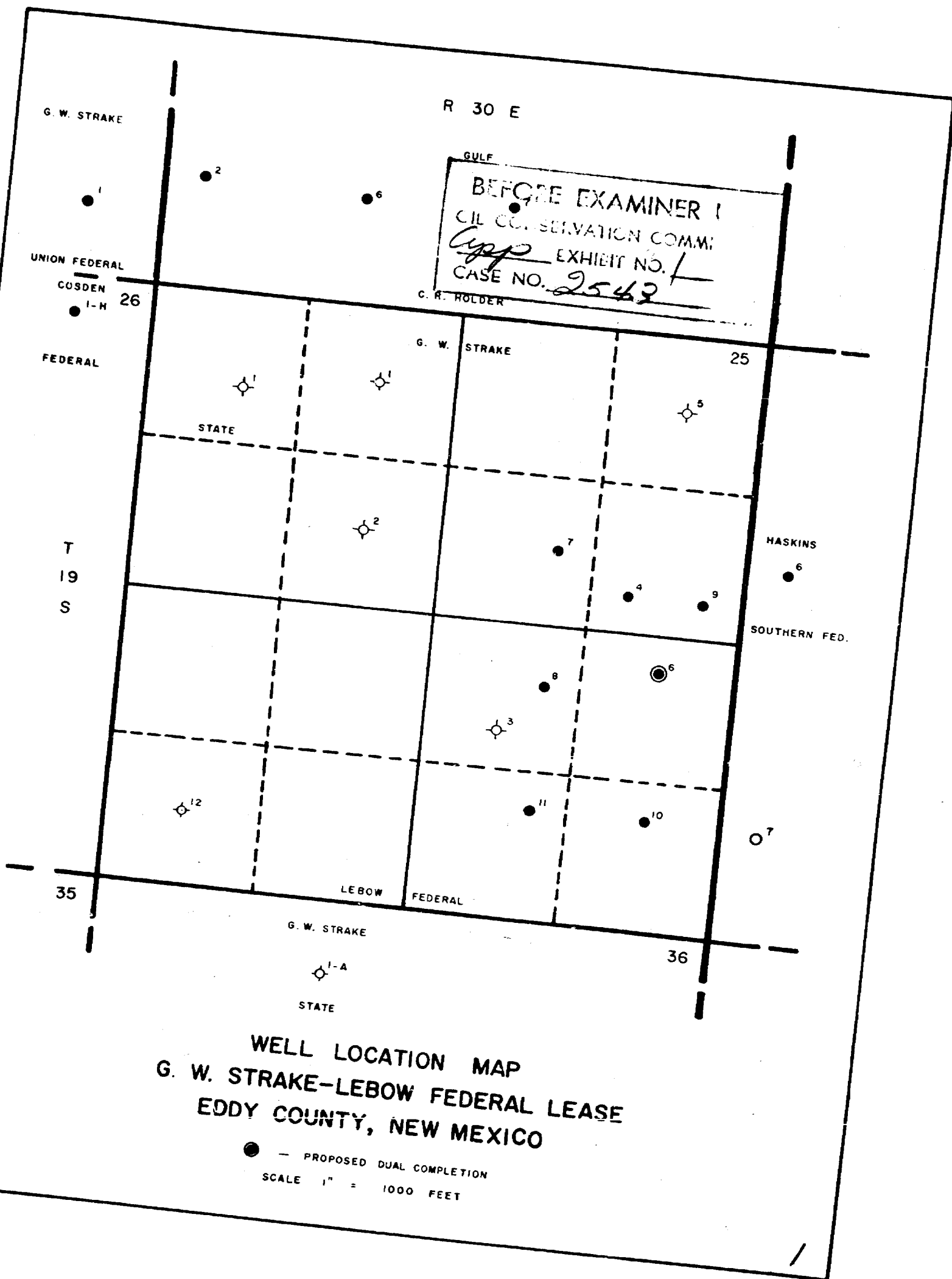
My Commission Expires:

June 19, 1963.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner Hearing of Case No. 2543, heard by me on April 25, 1962.

*Frank A. Jett* Examiner  
New Mexico Oil Conservation Commission





WELL DATA

PROPOSED DUAL COMPLETION

Lease and Well Number: LeBow-Federal Well No. 6

Location of Well: Unit Letter I, Section 25, Township 19 South, Range 30  
East, North Hackberry (Yates) Pool, Eddy County, New Mexico.

Interval Presently Producing: Yates Sand Perforations 1936 to 1952 feet.

Surface Casing Size and Depth: 8-5/8", 24.7# at 544 feet. Cemented with  
350 sacks regular cement with 3% calcium  
chloride. Cement was circulated to the  
surface.

Production Casing Size and Depth: 5-1/2", 15.5#, J-55 set at 2172 feet KDB.  
Cemented with 250 sacks regular and 0.5%  
Halad #9 and 2% calcium chloride. Tailed  
in with 50 sacks latex cement.

Top of Cement Behind Production Casing: 520 feet KDB.

Proposed Dual Producing Intervals:

Lower Zone - Seven Rivers Perforations 2116 to 2126 feet.

Upper Zone - Yates Sand Perforations 1936 to 1952 feet.

Type of Dual Completion: Conventional

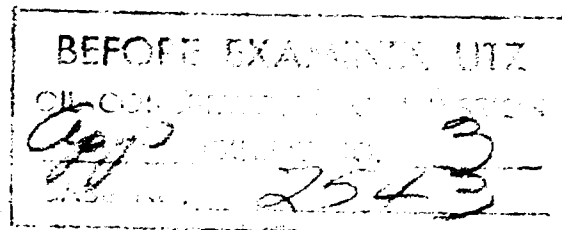
Type of Fluid to be Produced: Lower Zone - Oil  
Upper Zone - Oil

Description of Mechanical Installation:

Packer - Baker Oil Tools Model N Permanent Type  
Production Packer set between upper and lower  
zones at a depth of approximately 2090 feet.

Tubing - (Lower Zone) 2-1/16" OD, 1.751" ID, J-55  
Integral Joint set in tension through Model  
N Packer.  
(Upper Zone) 2-1/16" OD, 1.751" ID, J-55  
Integral Joint suspended at approximately  
1960 feet.

Lifting Equipment - Each zone will be produced with  
a 1-1/4" bore bottom hole insert  
pump.

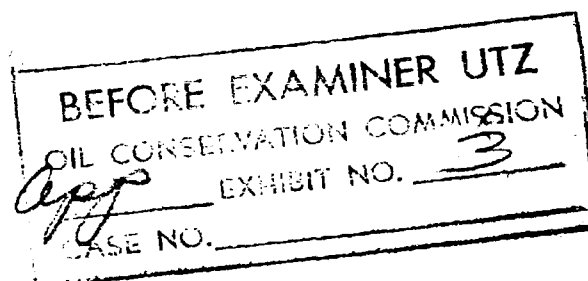


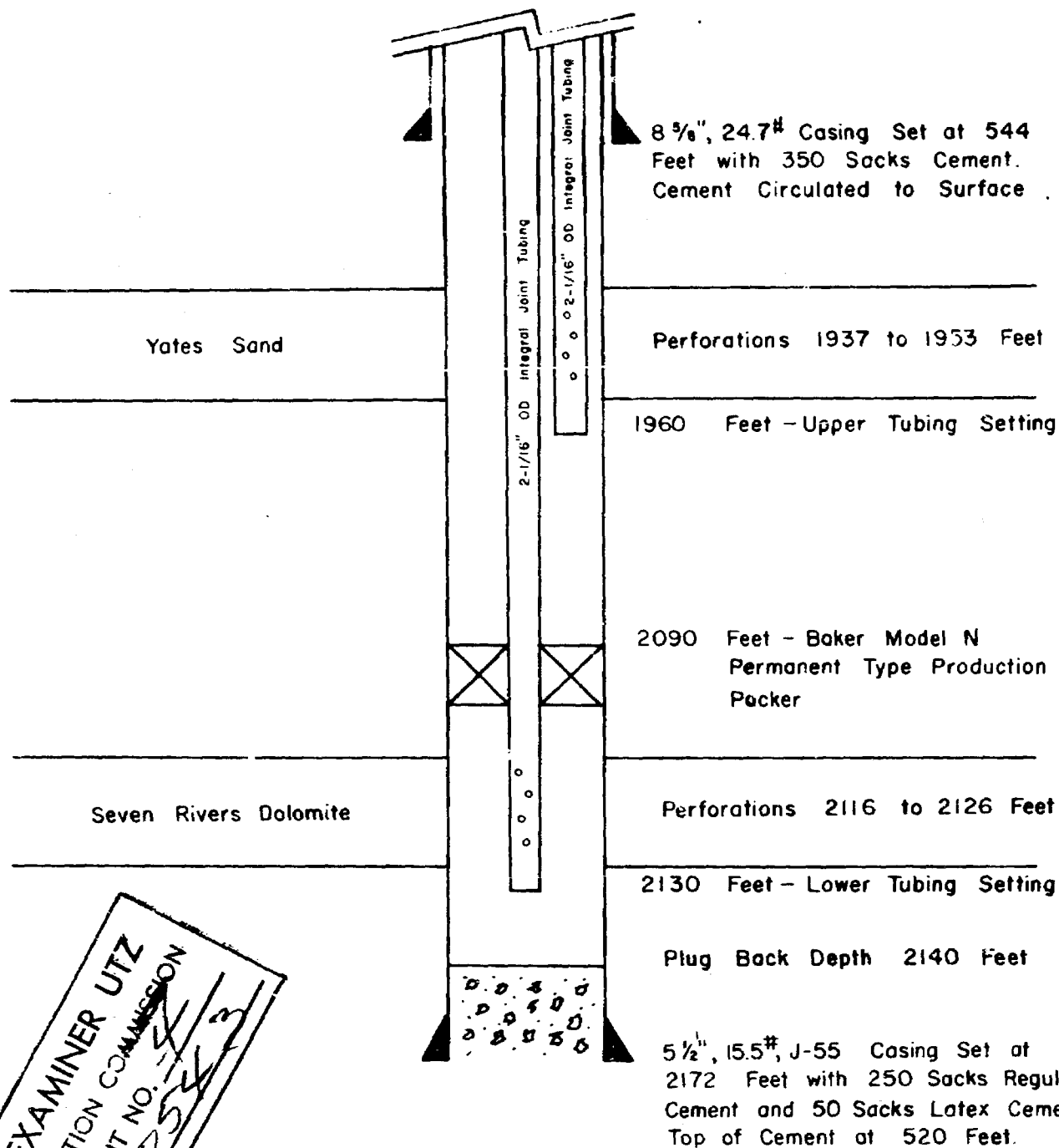
WELL DATA  
PROPOSED DUAL COMPLETION  
(Page Two)

Production and Reservoir Data:

<u>Formation</u>	<u>Producing Method</u>	<u>24 Hour Oil Production, Ebls.</u>	<u>Gas-Oil Ratio Cu.Ft./Ebl.</u>	<u>Oil Gravity °API</u>	<u>Bottom Hole Pressure, Psig</u>
Yates Sand	Pumping	36.51	291	31.4	410
Seven Rivers	Pumping		0	18.1	576

(Note: Production and Reservoir Data shown for Seven Rivers was obtained from Well No. 4 and considered general for the reservoir. The gas oil ratio is indicated as zero because gas volume from the Seven Rivers formation is too small to measure.)





BEFORE EXAMINER UTZ  
OIL CONSERVATION COMMISSION  
CASE NO. 2543

PROPOSED MECHANICAL INSTALLATION  
OIL/OIL CONVENTIONAL DUAL COMPLETION  
G.W. STRAKE-LEBOW FEDERAL NO.6  
EDDY COUNTY, NEW MEXICO