

CASE 2825: Application of SINCLAIR
for the dual completion of its

CASE No.

2825

Application,
TRANSCRIPTS,
SMALL Exhibits
ETC.

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

APPLICATION FOR DUAL COMPLETION

Case 2875

Field Name Vacuum Pool Area		County Lea		Date April 30, 1963
Operator Sinclair Oil & Gas Company		Lease State Lea 403		Well No. 4
Location of Well	Unit D	Section 17	Township 18 S	Range 35 E

1. Has the New Mexico Oil Conservation Commission heretofore authorized the dual completion of a well in these same pools or in the same zones within one mile of the subject well? YES _____ NO X

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

3. The following facts are submitted:	Upper Zone	Lower Zone
a. Name of reservoir	Bone Springs	Devonian
b. Top and Bottom of Pay Section (Perforations)	8818-8852	11700-11664
c. Type of production (Oil or Gas)	Oil	Oil
d. Method of Production (Flowing or Artificial Lift)	Flow	Flow

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

Yes a. Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, 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.

Yes 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.

No c. Waivers consenting to such dual completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*

No 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.)

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

Texas Pacific Coal & Oil Company, Box 4067, Midland, Texas

Tidewater Oil Company, Box 1231, Midland, Texas

Humble Oil & Refining Company, Box 1600, Midland, Texas

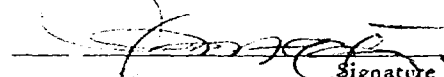
Gulf Oil Corporation, P. O. Box 1938, Roswell, New Mexico

Perry R. Bass, 12th Floor, Ft. Worth National Bank Building, Fort Worth, Texas

Colorado Oil & Gas Company, 401 Bank of Commerce Building, Houston 2, Texas

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

CERTIFICATE: I, the undersigned, state that I am the Division Production Supt. of the Sinclair Oil & Gas 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.


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



SINCLAIR OIL & GAS COMPANY

P. O. Box 1470

MIDLAND, TEXAS

May 1, 1963

RECEIVED
MAY 2 1963

LEGAL DEPARTMENT

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

Attention: Mr. A. L. Porter, Jr.

Gentlemen:

Sinclair Oil & Gas Company hereby makes application for approval, after notice and hearing, to dual complete its State Lea 403 Well No. 4 in the Bone Springs formation for the production of oil and in the Devonian formation also for the production of oil. The well is located 510 feet from the north and west lines of Section 17, Township 18 South, Range 35 East, Lea County, New Mexico.

We transmit, in triplicate, the following:

1. Application for Dual Completion on the Commission form;
2. An area map showing the location of all wells on applicant's lease and all offset wells on offset leases;
3. A diagrammatic sketch of the dual completion.

Attorneys of record for the applicant are Gilbert, White and Gilbert, of Santa Fe, New Mexico, and the undersigned.

As this is the first oil-oil dual completion to be made in the area, a hearing will be necessary.

Please set this matter for hearing at the earliest convenience.

Very truly yours,

Horace N. Burton

Horace N. Burton
Division Attorney

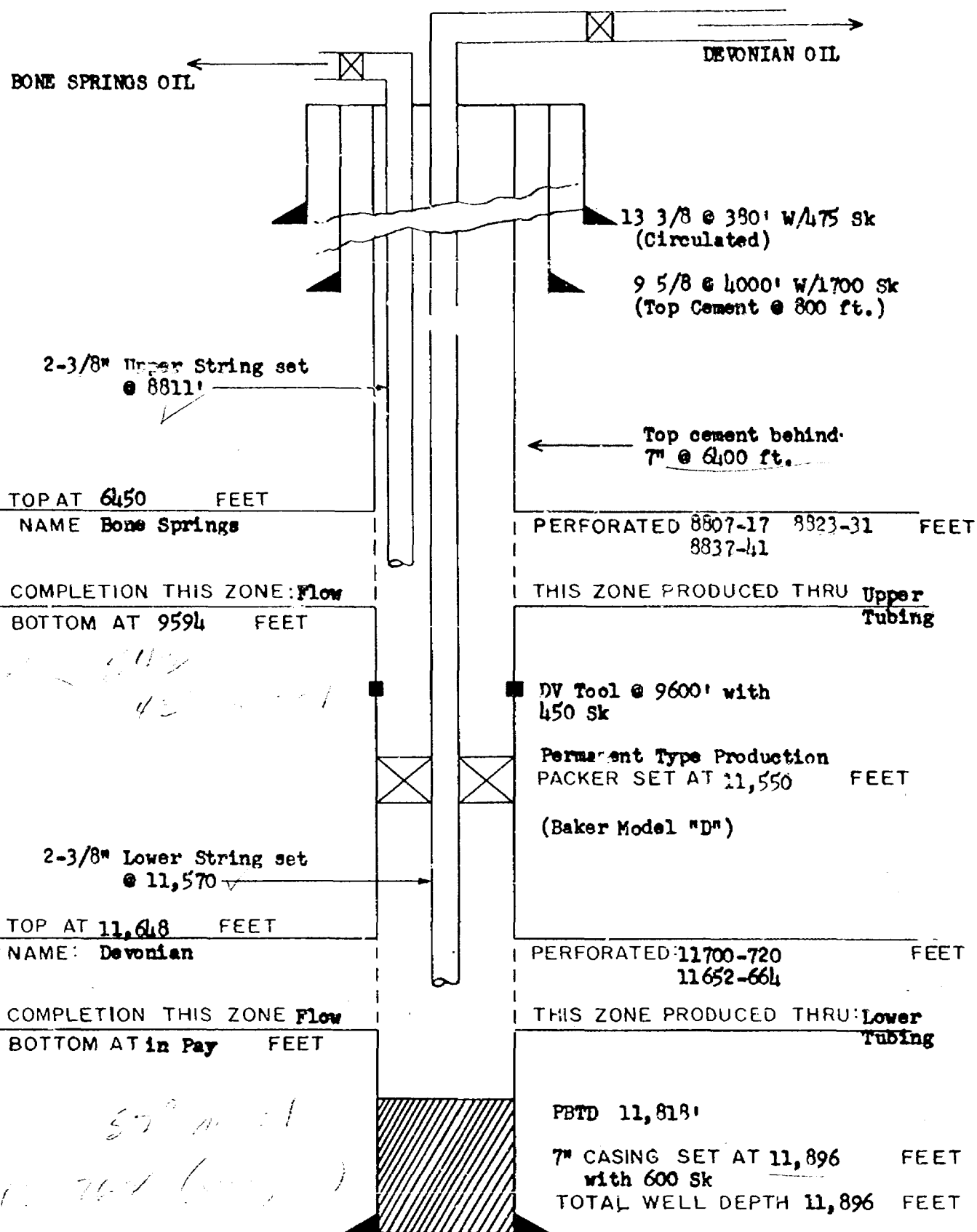
HNB/id
Encls.

cc: Gilbert, White & Gilbert
Bishop Building
Santa Fe, New Mexico
(With copy of enclosures)

DOCKET MAILED

5-10-63
OK

DIAGRAMMATIC SKETCH SHOWING
DUAL COMPLETION INSTALLATION



COMPANY Sinclair Oil & Gas Company

Sinclair Oil & Gas Co.
Lease 2825
Well No. 4

LEASE

FIELD

DATE

State Lea 403 WELL No. 4 (CORRECTED)

Vacuum Pool Area

April 30, 1963

DRAFT

JMD/esr

May ____, 1963

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. 2825

Order No. R- 2498

APPLICATION OF SINCLAIR OIL & GAS
COMPANY FOR A DUAL COMPLETION, LEA
COUNTY, NEW MEXICO.

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on
May 22, 1963, 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 June day of May, 1963, 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, Sinclair Oil & Gas Company, seeks
authority to complete its State Lea 403 Well No. 4, located in
Unit D of Section 17, Township 18 South, Range 35 East, NMPM, Lea
County, New Mexico, as a dual completion (conventional) to produce
from
oil ~~the Bone Springs and Devonian formations~~ through parallel
strings of 2 3/8-inch tubing, with separation of zones by a packer
set at approximately 11,550 feet.

(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~~
and protect
cause waste ~~nor impair~~ correlative rights.

*An undrilled Bone Springs Pool and an
undrilled Devonian pool*

IT IS THEREFORE ORDERED:

(1) That the applicant, Sinclair Oil & Gas Company, is hereby authorized to complete its State Lea 403 Well No. 4, located in Unit D of Section 17, Township 18 South, Range 35 East, NMPM, Lea County, New Mexico, as a dual completion (conventional) to produce oil from ~~the Bone Springs and Devonian formations~~ through parallel strings of 2 3/8-inch tubing, with separation of zones by a packer set at approximately 11,550 feet.

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 insofar as said rule is not inconsistent with this order.

PROVIDED FURTHER, That the applicant shall take packer-leakage tests upon completion and annually thereafter during the Gas-Oil Ratio Test Period for the Devonian formation.

(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, Chairman

E. S. WALKER, Member

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

*an undesignated Bone Springs
flow and an undesignated
Devonian pool*

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

APPLICATION FOR DUAL COMPLETION

7-3-58

Field Name Vacuna Pool Area		County Lea		Date April 30, 1963
Operator Sinclair Oil & Gas Company		Lease State Lea 403		Well No. 4
Location of Well	Unit D	Section 17	Township 28 S	Range 35 E

1. Has the New Mexico Oil Conservation Commission heretofore authorized the dual completion of a well in these same pools or in the same zones within one mile of the subject well? YES _____ NO **X**
2. If answer is yes, identify one such instance: Order No. _____; Operator, Lease, and Well No.:

3. The following facts are submitted:	Upper Zone	Lower Zone
a. Name of reservoir	Bone Springs	Devonian
b. Top and Bottom of Pay Section (Perforations)	8818-8852	11700-11664
c. Type of production (Oil or Gas)	Oil	Oil
d. Method of Production (Flowing or Artificial Lift)	Flow	Flow

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

- Yes** a. Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, 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.
- Yes** 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.
- No** c. Waivers consenting to such dual completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*
- No** 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.)

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

Texas Pacific Coal & Oil Company, Box 4067, Midland, Texas

Tidewater Oil Company, Box 1231, Midland, Texas

Humble Oil & Refining Company, Box 1600, Midland, Texas

Gulf Oil Corporation, P. O. Box 1938, Roswell, New Mexico

Ferry R. Bass, 12th Floor, Ft. Worth National Bank Building, Fort Worth, Texas

Colorado Oil & Gas Company, 401 Bank of Commerce Building, Houston 2, Texas

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

CERTIFICATE: I, the undersigned, state that I am the **Division Production Supt.** of the **Sinclair Oil & Gas 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.

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



SINCLAIR OIL & GAS COMPANY

P. O. Box 1470
MIDLAND, TEXAS

May 1, 1963

2575

LEGAL DEPARTMENT

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

Attention: Mr. A. L. Porter, Jr.

Gentlemen:

Sinclair Oil & Gas Company hereby makes application for approval, after notice and hearing, to dual complete its State Lea 403 Well No. 4 in the Bone Springs formation for the production of oil and in the Devonian formation also for the production of oil. The well is located 510 feet from the north and west lines of Section 17, Township 18 South, Range 35 East, Lea County, New Mexico.

We transmit, in triplicate, the following:

1. Application for Dual Completion on the Commission form;
2. An area map showing the location of all wells on applicant's lease and all offset wells on offset leases;
3. A diagrammatic sketch of the dual completion.

Attorneys of record for the applicant are Gilbert, White and Gilbert, of Santa Fe, New Mexico, and the undersigned.

As this is the first oil-oil dual completion to be made in the area, a hearing will be necessary.

Please set this matter for hearing at the earliest convenience.

Very truly yours,

HNB/id
Encls.

Horace N. Burton
Division Attorney

cc: Gilbert, White & Gilbert
Bishop Building
Santa Fe, New Mexico
(With copy of enclosures)

DOCKET: EXAMINER HEARING - WEDNESDAY - MAY 22, 1963

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:

- CASE 2814: In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit Stanley L. Jones and Sam Watkins and all other interested parties to appear and show cause why La Esperanza State Well No. 1, located in Unit D of Section 10, Township 19 South, Range 29 East, Eddy County, New Mexico, should not be plugged in accordance with a Commission-approved plugging program.
- CASE 2815: In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit Corine Foster dba Corine Foster Oil Company and all other interested parties to appear and show cause why the Corine Foster Oil Company Ohio Farris Well No. 1, located in Unit P of Section 4, Township 19 South, Range 26 East, Eddy County, New Mexico, should not be plugged in accordance with a Commission-approved plugging program.
- CASE 2816: In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit C. Robertson and all other interested parties to appear and show cause why the Honolulu-State "B" Wells Nos. 4 and 5 in Units G and H respectively, of Section 11, Township 11 South, Range 27 East, Chaves County, New Mexico, should not be plugged in accordance with a Commission-approved plugging program.
- CASE 2817: In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit Fred M. Allison and C. T. Robertson and all other interested parties to appear and show cause why the Honolulu State "A" Wells Nos. 1, 2, 3, 4, and 5, located in Units D, C, E, F, and D, respectively, of Section 14; the Honolulu State "E" Wells Nos. 1, 2, and 3, located in Units I, O, and J, respectively, of Section 11; and the Magnolia State Well No. 1, located in Unit P of Section 11, all in Township 11 South, Range 27 East, Chaves County, New Mexico, should not be plugged in accordance with a Commission-approved plugging program.
- CASE 2818: Application of Union Oil Company of California for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the West McDonald Unit Area comprising 2,560 acres of State and Fee lands in Township 14 South, Range 35 East, Lea County, New Mexico.
- CASE 2819: Application of M. F. Abraham for a unit agreement, McKinley County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Star Lake Unit Area comprising 22,358 acres of Federal, State, Indian and Fee lands in Townships 18 and 19 North, Ranges 5 and 6 West, McKinley County, New Mexico.
- CASE 2820: Application of Texas Pacific Coal & Oil Company for a non-standard gas proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 320-acre non-standard gas proration

unit comprising the NE/4 of Section 20 and the NW/4 of Section 21 Township 23 South, Range 36 East, Jalmat Gas Pool, Lea County, New Mexico, to be dedicated to its State "A" A/c-1 Well No. 6, located 2310 feet from the North line and 1650 feet from the West line of said Section 21.

CASE 2821:

Application of D. W. Falls, Inc. for an extension of Order No. R-2213, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks the extension of Order No. R-2213, which order assigned a temporary deliverability for allowable purposes to applicant's Federal Well No. 2-11, located in Unit O of Section 11, Township 28 North, Range 13 West, Basin-Dakota Gas Pool, San Juan County, New Mexico.

CASE 2822:

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 an 80-acre non-standard gas proration unit comprising the SE/4 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, to be dedicated to its J. N. Carson Well No. 6 located in Unit P of said Section 28.

CASE 2823:

Application of Pan American Petroleum Corporation for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the triple completion (conventional) of its Southland Royalty "A" Well No. 4, located in Unit X of Section 4, Township 21 South, Range 37 East, Lea County, New Mexico, to produce oil from the Drinkard and Blinbry formations through parallel strings of tubing and gas from the Tubb Gas Pool through the casing annulus.

CASE 2824:

Application of Texaco Inc. for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the triple completion (combination) of its State "O" Well No. 14, located in Unit J of Section 36, Township 17 South, Range 34 East, Lea County, New Mexico, to produce oil from the North Vacuum-Abo and the Vacuum-Wolfcamp Pools through parallel strings of 2 7/8-inch casing and from the Vacuum-Devonian Pool through 1 1/2-inch tubing installed within 3 1/2-inch casing, all casing strings to be cemented in a common well bore.

CASE 2825:

Application of Sinclair Oil & Gas Company for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the dual completion (conventional) of its State Lea 403 Well No. 4 located in Unit D of Section 17, Township 18 South, Range 35 East, Lea County, New Mexico, to produce oil from the Bone Springs and Devonian formations through parallel strings of tubing.

CASE 2826:

Application of Texaco, Inc. for a triple completion and for certain administrative procedures, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the triple completion (combination) of its State "L" Well No. 6 located in Unit B of Section 1, Township 18 South, Range 34 East, Lea County, New Mexico, to produce oil from the Vacuum Wolfcamp Pool and an undesignated Pennsylvanian pool through

-3-

Docket No. 15-63

parallel strings of 2 7/8 inch casing and from the Vacuum-Devonian Pool through 1½ inch tubing installed within 3½ inch casing, all casing strings to be cemented in a common well bore. Applicant further seeks a procedure whereby 1½ inch tubing for Devonian production in this field may be approved administratively.

CASE 2806:

(Continued from May 15, 1963 Hearing)

Application of Sun Oil Company for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order force pooling all mineral interests in the Oil-Center Blinebry Pool underlying the W/2 SW/4 of Section 3, Township 21 South, Range 36 East, Lea County, New Mexico.

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Date 5/22/63

CASE 2825

Hearing Date 9am 5/22/63
DSN @ SF

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

~~Submit~~ an order approving the dual completion (conventional) of Sinclair Oil & Gas Co's State Lea 403 Well no 4, loc in Unit D, Sec 17, Twp 18S, Rge 35E, to produce oil from an undesignated Bones Spring Pool and an undesignated Devonian pool through parallel strings of tubing (2 $\frac{3}{8}$ in. OD) with separation of the two productive zones achieved by means of a permanent type production packer set at approx. 11,550 feet

Require packer leakage tests upon completion and annually thereafter during the Devonian GOR test period

Van Dusen
5/22/63

GOVERNOR
JACK M. CAMPBELL
CHAIRMAN

State of New Mexico
Oil Conservation Commission



P. O. BOX 871
SANTA FE

LAND COMMISSIONER
E. B. JOHNNY WALKER
MEMBER

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

June 11, 1963

Mr. Charlie White
Gilbert, White & Gilbert
Attorneys at Law
Box 787
Santa Fe, New Mexico

Re: Case No. 2825
Order No. R-2498
Applicant:
Sinclair Oil & Gas Company

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.

A. L. PORTER, JR.
Secretary-Director

ix/

Carbon copy of order also sent to:

Hobbs OCC x

Artesia OCC

Astec 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. 2825
Order No. R-2498

APPLICATION OF SINCLAIR OIL & GAS
COMPANY FOR A DUAL 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 May 22, 1963, 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 11th day of June, 1963, 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, Sinclair Oil & Gas Company, seeks authority to complete its State Lea 403 Well No. 4, located in Unit D of Section 17, Township 18 South, Range 35 East, NMPM, Lea County, New Mexico, as a dual completion (conventional) to produce oil from an undesignated Bone Springs pool and an undesignated Devonian Pool through parallel strings of 2 3/8-inch tubing, with separation of zones by a packer set at approximately 11,550 feet.

(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 prevent waste and protect correlative rights.

-2-

CASE No. 2825
Order No. R-2498

IT IS THEREFORE ORDERED:

(1) That the applicant, Sinclair Oil & Gas Company, is hereby authorized to complete its State Lea 403 Well No. 4, located in Unit D of Section 17, Township 18 South, Range 35 East, NMPM, Lea County, New Mexico, as a dual completion (conventional) to produce oil from an undesignated Bone Springs pool and an undesignated Devonian pool through parallel strings of 2 3/8-inch tubing, with separation of zones by a packer set at approximately 11,550 feet.

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 insofar as said rule is not inconsistent with this order.

PROVIDED FURTHER, That the applicant shall take packer-leakage tests upon completion and annually thereafter during the Gas-Oil Ratio Test Period for the Devonian formation.

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

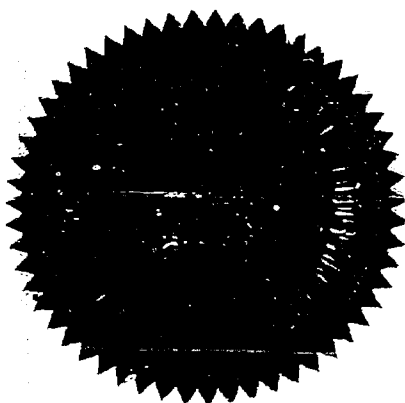
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

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/

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

SANTA FE, N. M.
PHONE 983-3971

ALBUQUERQUE, N. M.
PHONE 243-6691

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
May 22, 1963

EXAMINER HEARING

IN THE MATTER OF:

Application of Sinclair Oil & Gas Company for
a dual completion, Lea County, New Mexico.
Applicant, in the above-styled cause, seeks
approval of the dual completion (conventional)
of its State Lea 403 Well No. 4 located in
Unit D of Section 17, Township 18 South, Range
35 East, Lea County, New Mexico, to produce
oil from the Bone Springs and Devonian forma-
tions through parallel strings of tubing.

CASE 2825

BEFORE: Daniel S. Nutter, Examiner

TRANSCRIPT OF HEARING

MR. NUTTER: We will call Case 2825.

MR. DURRETT: Application of Sinclair Oil & Gas Company
for a dual completion, Lea County, New Mexico.

MR. WHITE: If the Examiner please, Charles White,
Gilbert, White, and Gilbert, Santa Fe, New Mexico, appearing on
behalf of the Applicant. We have one witness to be sworn at this
time.

(Witness sworn.)

R. M. ANDERSON

called as a witness, having been first duly sworn on oath, testi-
fied as follows:



DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

SANTA FE, N. M.
PHONE 983-3971

ALBUQUERQUE, N. M.
PHONE 243-6691

DIRECT EXAMINATION

BY MR. WHITE:

Q Will you state your full name, please, for the record?

A R. M. Anderson.

Q By whom are you employed and in what capacity?

A Sinclair Oil and Gas Company, as a Senior Engineer in the Midland, Texas, Division Office.

Q Have your qualifications as a Petroleum Engineer been previously accepted by the Commission?

A They have.

Q Are you familiar with the subject application?

A I am.

Q Will you briefly state what the Applicant is seeking?

A We are seeking permission to dually complete our State 403 Well No. 4 in an undesignated pool in Lea County, New Mexico. We wish permission to dual this well between the Devonian and Bone Springs formations, and this is the first dual in this area under the rules, and a hearing is required. I have prepared an area map which I would like to introduce as Exhibit 1.

(Whereupon, Applicant's Exhibits Nos. 1, 2, and 3 marked for identification.)

The subject well is circled in red on the area map and is in a northwest corner of Section 17. To the north, the wells in that development are classified as being in the Vacuum Pool and it's a multi-pay area. The Devonian wells are not on this



DEARNLEY-MEIER REPORTING SERVICE, Inc.

ALBUQUERQUE, N. M.
PHONE 243-6691

SANTA FE, N. M.
PHONE 983-3971

FARMINGTON, N. M.
PHONE 325-1182

map, they are on to the north and west of the area of this map. There are no Devonian wells in the Vacuum Pool on my map. The South Vacuum-Devonian Pool wells are shown down in the southeast portion of the map.

Q What's the status of the well at the present time, Mr. Anderson?

A It is dually completed with the Devonian zone producing and the Bone Springs zone shut-in pending approval of this application.

Q What are the crude characteristics?

A The Devonian gravity is 52 gravity; the Bone Springs gravity is 42. The gas-oil ratio of the Devonian is 262 to 1; the Bone Springs was 542 to 1. There is a sour odor about the Devonian gas. It has a small amount of hydrogen sulfite in it but can be readily detected with the -- the odor is very readily detectible. Both crudes are classified as sweet crudes by the pipeline. I believe that's all the data I have.

Q Do you anticipate any paraffin or corrosion problems?

A No, sir, we do not anticipate any.

Q Would you explain to the Examiner the down-hole equipment and in so doing, refer to what has been marked as Exhibit 2?

A Exhibit 2 is a revised or corrected diagrammatic sketch of the well. The sketch that was submitted with the application was submitted before the Bone Springs was perforated, so it was necessary to change the Bone Springs perforations and the exact



DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

SANTA FE, N. M.
PHONE 983-3971

ALBUQUERQUE, N. M.
PHONE 243-6691

setting of the permanent type packer that is in the well.

The well is equipped with seven-inch casing set at 11,896, with top of the cement at 6400 feet behind the seven-inch. There are parallel strings of tubing in the well, one of which has a seal assembly and is set through the Model "D" Packer and produces the Devonian zone. The upper string is just hanging in the annulus and is set at 8811 feet.

Q The perforation points are shown on the exhibit?

A Yes, perforations are shown on the exhibit, and the top and bottom of the formations that the wells are completed in are also shown.

Q Is it possible to artificially lift this crude, if necessary, under this installation?

A Yes, it is. Both strings are conventional two-inch I.D. tubing.

Q Is there any further testimony that you have to offer at this time?

A I have one other exhibit that I would like to present. We did not have available a log on the well when we filed our application, and I have one that I have marked showing the tops and bottoms of the formations and the perforations.

Q Can you give us any economics as to what savings there might be by this dual completion?

A No, sir, I do not have the economic data readily available.



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Q Were these exhibits prepared by you or under your direction?

A Yes, they were.

MR. WHITE: At this time we offer the exhibits.

MR. NUTTER: Sinclair's Exhibits 1 through 3 will be admitted in evidence.

(Whereupon, Applicant's Exhibits Nos. 1, 2, and 3 received in evidence.)

MR. WHITE: That concludes our direct.

CROSS EXAMINATION

BY MR. NUTTER:

Q You didn't mention anything about the bottom hole pressures; do you have any information on that?

A No, sir, the pressures have not been measured on the zones. There's no reason to believe that they're abnormal. We have some drillstem test pressures but we have not run bottom hole pressure instruments.

Q Are both zones capable of flowing?

A Yes, sir.

Q I note that the well was drilled considerably deeper than the perforated interval. Did the well drill into water in the Devonian, do you know?

A Yes, the well did test water and I have indicated the drillstem, the bottom drillstem tests on the bottom of the standard scale on the log.



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Q Is this water-free production at the present time?

A Yes. Both zones are water-free production. The Devonian is water-free. There was a small amount of load water produced with the potential test on the Bone Springs, but it was positively identified as load water. We tested no water on drillstem test in the Bone Springs. We do not expect to produce any water from Bone Springs from this well, initially, at least.

Q Are both zones capable of making top allowable for their depths?

A Yes.

MR. NUTTER: Are there any other questions of Mr. Anderson? He may be excused.

(Witness excused.)

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

MR. WHITE: No, sir.

MR. NUTTER: Does anyone have anything they wish to offer in Case 2825? We'll take the case under advisement.

* * *



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STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) ss

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 before the New Mexico Oil Conservation Commission was reported by me, and that the same is a true and correct record of the said proceedings to the best of my knowledge, skill, and ability.

WITNESS my Hand and Seal this 2nd day of June, 1963.

Ada Dearnley
NOTARY PUBLIC

My Commission Expires:
June 12, 1963.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 2825 heard by me on 5/22, 1963.
[Signature], Examiner
New Mexico Oil Conservation Commission

