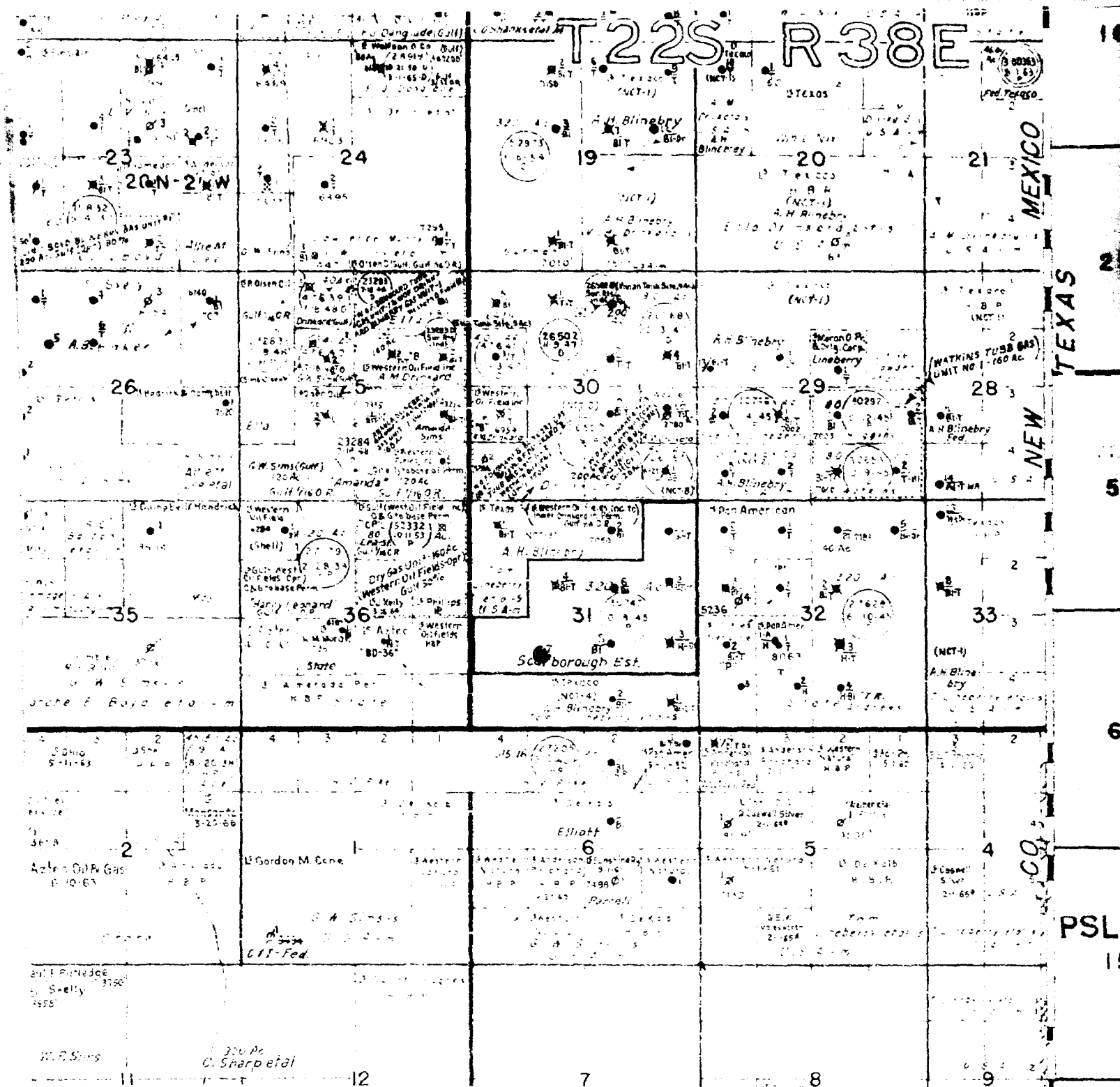


CASE 2760: Application of GULF for  
dual completion of its SCARBOROUGH  
ESTATE WELL NO. 7.

Case No.  
2760

---

Application, Transcript,  
and Exhibits, Etc.



PLAT

# SCARBOROUGH ESTATE LEASE

Undesignated Ellenburger and  
Blinebry Oil Pools  
Lea County, New Mexico

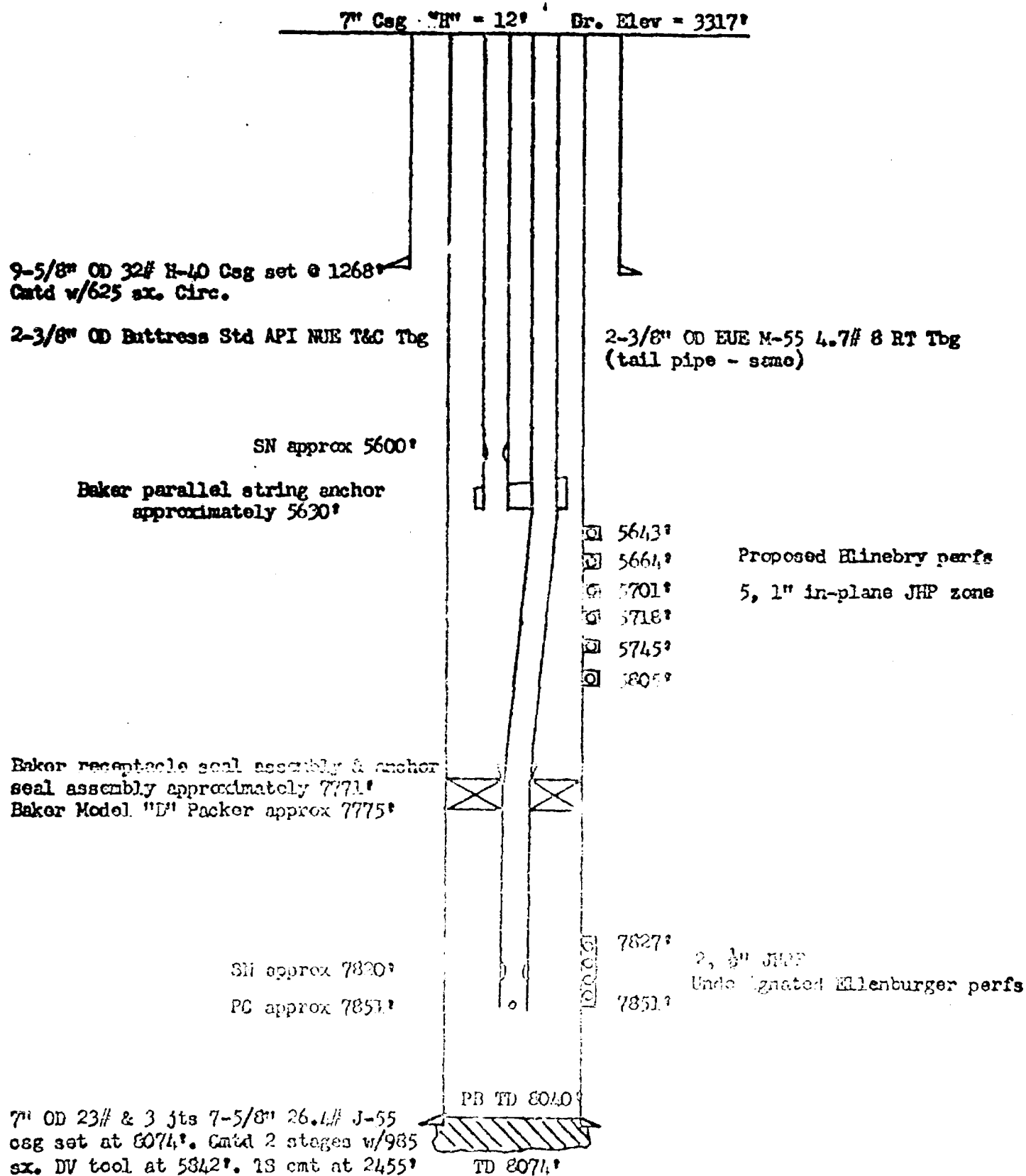
## - LEGEND -

- Pertinent Lease
- ⊙ Pertinent Well

Gulf Oil Corporation

CASE NO. 2760  
EXHIBIT NO. /  
February 21, 1963

SCHEMATIC DIAGRAM  
 PROPOSED DUAL COMPLETION - SCARBOROUGH ESTATE NO. 7  
 Undesignated Ellenburger Oil with Hlinebry Oil  
 1650' FS&WL Section 31-22S-38E, Lea Co., N.M.



DRAFT

JMD/esr  
February 22, 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. 2760

Order No. R- 2435

APPLICATION OF GULF OIL CORPORATION  
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 February 21, 1963, 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 \_\_\_\_\_ day of February, 1963, 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, Gulf Oil Corporation, seeks authority to complete its Scarborough Estate Well No. 7, located in Unit K of Section 31, Township 22 South, Range 38 East, NMPM, Lea County, New Mexico, as a dual completion (conventional) to produce oil from the Blinebry Oil Pool and an undesignated Ellenburger oil pool through parallel strings of 2 3/8-inch tubing, <sup>with</sup> separation of the zones to be achieved by a packer set at approximately 2775 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 cause waste nor impair correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Gulf Oil Corporation, is hereby authorized to complete its Scarborough Estate Well No. 7, located in Unit K of Section 31, Township 22 South, Range 38 East, NMPM, Lea County, New Mexico, as a dual completion (conventional) to produce oil from the Blinebry Oil Pool and an undesignated Ellenburger oil pool through parallel strings of 2 3/8-inch tubing, <sup>with</sup> separation of ~~the~~ zones ~~to be achieved~~ by a packer set at approximately 7775 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 Ellenburger 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

**Gulf Oil Corporation**  
MAIN OFFICE OCC  
ROSWELL PRODUCTION DISTRICT

W. B. Hopkin  
DISTRICT MANAGER  
F. O. Mortlock  
DISTRICT EXPLORATION  
MANAGER  
M. I. Taylor  
DISTRICT PRODUCTION  
MANAGER  
H. C. Vivian  
DISTRICT SERVICES MANAGER

1963 JAN 25 PM 1:30

January 24, 1963

P. O. Drawer 1938  
Roswell, New Mexico

Oil Conservation Commission  
State of New Mexico  
Post Office Box 871  
Santa Fe, New Mexico

Re: Application of Gulf Oil Corporation  
for Approval of a Dual Completion in  
the Blinebry and Undesignated Ellen-  
burger Oil Pools, Lea County, New  
Mexico

Gentlemen:

Gulf Oil Corporation herewith submits application for approval of a dual completion for the Scarborough Estate Well No. 7, located 1650 feet from the south line and 1650 feet from the west line of Section 31, Township 22 South, Range 38 East, Lea County, New Mexico. It is proposed to complete this well in the Blinebry Oil and an undesignated Ellenburger Oil Pools and to produce each zone through parallel strings of 2-3/8 inch tubing installed in 7 inch casing.

Attached is completed form Application for Multiple Completion, lease plat, and diagrammatic sketch of the proposed dual completion. It is requested that this matter be set for Examiner Hearing at an early date.

Respectfully submitted,

GULF OIL CORPORATION

*M. I. Taylor*  
M. I. Taylor

Attachments  
JHH:sz

cc: New Mexico Oil Conservation Commission  
Post Office Box 2045  
Hobbs, New Mexico

Offset Operators  
(Listed on Application for Multiple Completion)

DOCKET MAILED

Date 2/8/63  
*QL*

**GULF**

## NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

## APPLICATION FOR MULTIPLE COMPLETION

5-1-61

Page 276

Operator Gulf Oil Corporation		County Lea	Date January, 24, 1963
Address Post Office Drawer 1938 Roswell, New Mexico		Lease Scarborough Estate	Well No. 7
Location of Well	Unit K	Section 31	Township 22 South
		Range 38 East	

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 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	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Blinberry	--	Undes. Ellenburger
b. Top and Bottom of Pay Section (Perforations)	5643' - 5805'	--	7827' - 7851'
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 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.
- 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 multiple 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 117A.)

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

Texaco Inc., Post Office Box 3109, Midland, Texas

Pan American Petroleum Corporation, Post Office Box 268, Lubbock, Texas

Western Oil Fields, Inc., Post Office Box 1139, Denver, Colorado

Aztec Oil & Gas Company, 920 Mercantile Securities Building, Dallas, Texas

Cities Service Petroleum Company, Post Office Box 97, Hobbs, New Mexico

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X NO \_\_\_\_\_. If answer is yes, give date of such notification January 24, 1963.

CERTIFICATE: I, the undersigned, state that I am the Dist. Production Manager of the Gulf Oil Corporation (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.

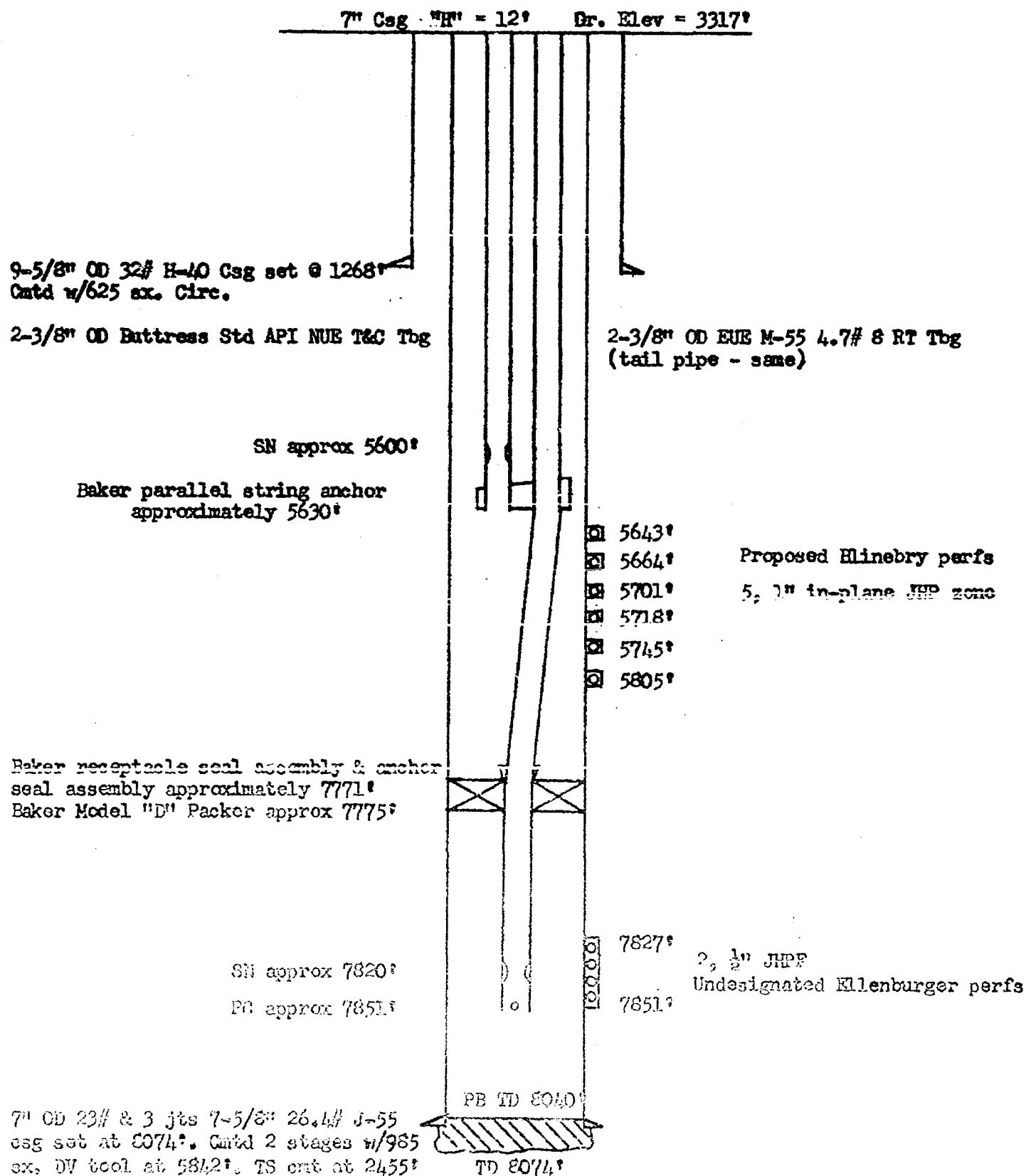
*[Signature]*  
Signature

- \* 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 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.





7" Csg. "H" = 12" Dr. Elev = 3317'



No. 7-63

DOCKET: EXAMINER HEARING - THURSDAY - FEBRUARY 21, 1963

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 2755: Application of General American Oil Company of Texas for a waterflood project, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project by the injection of water into the Queen formation, High Lonesome Pool, Eddy County, New Mexico, through 16 wells in Sections 11, 12, 13 and 14, Township 16 South, Range 29 East.
- CASE 2756: Application of Humble Oil & Refining Company for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of its State "S" Well No. 24, located in Unit J, Section 2, Township 22 South, Range 37 East, Lea County, New Mexico, as a triple completion (tubingless), to produce oil from the Blinebry and Drinkard Pools and from a third zone, either lower Drinkard or Abo, through parallel strings of 2 7/8-inch casing cemented in a common well bore.
- CASE 2757: Application of Cabot Corporation for an unorthodox location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the unorthodox location of its New Mexico State L Well No. 1 at a point 1970 feet from the North line and 330 feet from the West line of Section 23, Township 11 South, Range 33 East, North Bagley-Wolfcamp Pool, Lea County, New Mexico.
- CASE 2758: Application of Odessa Natural Gasoline Company for a unit agreement Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Getty Deep Unit Area comprising 1,680 acres, more or less, of Federal land in Township 20 South, Range 29 East, Eddy County, New Mexico.
- CASE 2759: Application of Continental Oil Company for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the triple completion (conventional) of its Skaggs B-12, Well No. 5, located in Unit C of Section 12, Township 20 South, Range 37 East, Lea County, New Mexico, to produce oil from the Skaggs Gloriet, East Weir Blinebry, and Skaggs-Drinkard Pools through parallel strings of tubing.

- CASE 2760: Application of Gulf Oil Corporation for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of its Scarborough Estate Well No. 7, located in Unit K of Section 31, Township 22 South, Range 38 East, Lea County, New Mexico, as a dual completion (conventional) to produce oil from the Blinebry Oil Pool and from the Ellenburger formation through parallel strings of tubing.
- CASE 2761: Application of Compass Exploration, Inc. for the creation of a Gallup Gas Pool, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks an order deleting certain acreage from the South Blanco-Tocito Pool and redesignating portions of said acreage to comprise a new Gallup gas pool for its North-west Lindrich Well No. 1-3, located in Unit K of Section 3, Township 26 North, Range 7 West, Rio Arriba County, New Mexico.
- CASE 2314: (Reopened)  
In the matter of the hearing called in accordance with Order No. R-2191, to permit Shell Oil Company to appear and show cause why its State Well No. 1-A, located in Unit D, Section 36, Township 24 South, Range 36 East, Jalmat Gas Pool, Lea County, New Mexico should not be reclassified as an oil well in said pool.
- CASE 2480: (Reopened & Continued)  
In the matter of Case 2480 being reopened pursuant to the provisions of Order No. R-2182, which order established temporary 80-acre proration units for the Henshaw-Wolfcamp Pool, Eddy County, New Mexico, for a period of one year. All interested parties may appear and show cause why said pool should not be developed on 40-acre proration units.
- CASE 2762: Application of Pan American Petroleum Corporation for a dual completion, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval of the dual completion of its USG Section 19 Well No. 17, located in Unit I of Section 19, Township 29 North, Range 16 West, San Juan County, New Mexico, to produce oil from the Hogback-Pennsylvanian Pool through tubing and to dispose of produced salt water into the Chinle formation through the intermediate casing annulus.
- CASE 2763: Application of Sunray DX Oil Company for the creation of a Strawn Gas Pool and for Special Temporary Pool Rules, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new Strawn Gas Pool for its New Mexico State "AH" Well No. 1, located in Unit K of Section 30, Township 18 South, Range 23 East, Eddy County, New Mexico, and the establishment of temporary pool rules therefor, including a provision for 640-acre proration units.

Docket No. 7-63

CASE 2764:

Application of Skelly Oil Company for the creation of a Strawn Gas Pool and for Temporary Special Pool Rules, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new Strawn Gas Pool for its West Jal Unit Well No. 1, located in Unit H, of Section 20, Township 25 South, Range 36 East, Lea County, New Mexico, and the establishment of temporary special pool rules therefor, including a provision for 640-acre proration units.

CASE 2746:

(Continued)

In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit Continental National Insurance Group and all other interested parties to appear and show cause why the Kenneth V. Barbee Well No. 1, located 1980 feet from the South line and 660 feet from the East line of Section 9, Township 11 South, Range 25 East, NMPM, Chaves County, New Mexico, should not be plugged in accordance with a Commission-approved plugging program.

CASE 2747:

(Continued)

Application of El Paso Natural Gas Company for cancellation of a non-standard gas proration unit, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks cancellation of a non-standard gas proration unit comprising the SW/4 of Section 23 and the NW/4 of Section 26, Township 31 North, Range 7 West, Blanco-Mesaverde Gas Pool, San Juan County, New Mexico, said unit having been established and designated Block "N" by Order No. R-1066.

No. 7-63

SUPPLEMENTAL DOCKET: EXAMINER HEARING - THURSDAY - FEBRUARY 21, 1963

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

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

CASE 2765:

Application of Perry R. Bass for an  
unorthodox gas well location, Lea  
County, New Mexico.

Applicant, in the above-styled cause seeks an exception to the  
Special Rules and Regulations for the Lusk-Morrow gas pool to permit  
the drilling of a gas well 1980 feet from the North line and 660  
feet from the West line of Section 28, Township 19 South, Range 32  
East.

Case. 2760

Heard 2-21-63

Rec. 2-21-63

1. Grant Gulf's request to finally complete its Scarborough Estate #17 1650/S + 1650/W lines of sec. 31, 22S-38E. Completion to be in Blinby <sup>Pool</sup> and under Ellentun Oil ~~Pool~~.
2. Packer test on completion on anniversary of GOR for the Ellentun.
3. Manual Reel order otherwise.

John A. W.

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. 2760  
Order No. R-2435

APPLICATION OF GULF OIL CORPORATION  
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 February 21, 1963, 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 27th day of February, 1963, 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, Gulf Oil Corporation, seeks authority to complete its Scarborough Estate Well No. 7, located in Unit K of Section 31, Township 22 South, Range 38 East, NMPM, Lea County, New Mexico, as a dual completion (conventional) to produce oil from the Blinbry Oil Pool and an undesignated Ellenburger oil pool through parallel strings of 2 3/8-inch tubing, with separation of zones by a packer set at approximately 7775 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 cause waste nor impair correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Gulf Oil Corporation, is hereby authorized to complete its Scarborough Estate Well No. 7, located



-2-

CASE No. 2760  
Order No. R-2435

in Unit K of Section 31, Township 22 South, Range 38 East, NMPM, Lea County, New Mexico, as a dual completion (conventional) to produce oil from the Blinbry Oil Pool and an undesignated Ellenburger oil pool through parallel strings of 2 3/8-inch tubing, with separation of zones by a packer set at approximately 7775 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 Ellenburger formation.

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

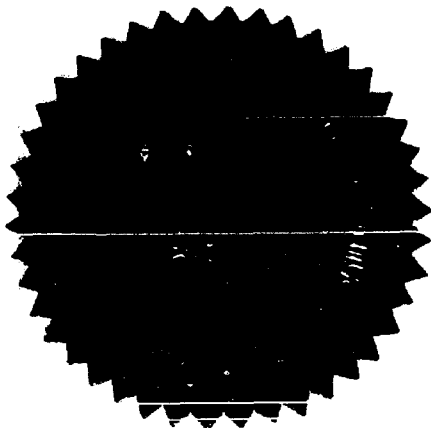
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

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



ccr/

**CHAIRMAN**

# Oil Conservation Commission

**MEMBER****SANTA FE**

**SECRETARY - DIRECTOR**

**February 27, 1963**

Mr. Bill Kastler  
Mr. M. I. Taylor  
Gulf Oil Corporation  
Post Office Box 1938  
Roswell, New Mexico

Re: Case No. 2760

**Order No. R-2435**

**Applicant:**

**Gulf Oil Corporation**

**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**

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

ir/

Carbon copy of order also sent to:

Hobbs OCC x

Artesia OCC

**Astec OCC** \_\_\_\_\_

**OTHER** \_\_\_\_\_

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  
February 21, 1963

EXAMINER HEARING

-----  
IN THE MATTER OF: )

Application of Gulf Oil Corporation for )  
a dual completion, Lea County, New Mexi- )  
co. Applicant, in the above-styled )  
cause, seeks approval of its Scarborough )  
Estate Well No. 7, located in Unit K of )  
Section 31, Township 22 South, Range 38 )  
East, Lea County, New Mexico, as a dual )  
completion (conventional) to produce oil )  
from the Blinebry Oil Pool and from the )  
Ellenburger formation through parallel )  
strings of tubing. )

Case 2760

-----  
BEFORE: Elvis A. Utz, Examiner.

TRANSCRIPT OF HEARING

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

MR. UTZ: The hearing will come to order. The next case will be 2760.

MR. DURRETT: Application of Gulf Oil Corporation for a dual completion, Lea County, New Mexico.

MR. KASTLER: I'm Bill Kastler from Roswell, New Mexico appearing on behalf of Gulf Oil Corporation. Our witness is John H. Hoover.



(Witness sworn.)

MR. UTZ: Are there other appearances? You may proceed.

MR. KASTLER: Mr. Utz, are Mr. Hoover's qualifications well known, as a frequent witness?

MR. UTZ: Well, if they are not known now they never will be.

JOHN H. HOOVER

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

DIRECT EXAMINATION

BY MR. KASTLER:

Q Mr. Hoover, will you state what Gulf Oil Corporation is requesting?

A We are requesting an approval for a dual completion for our Scarborough Estate Well No. 7 in the Blinbry oil and an undesignated Ellenburger Oil Pool in Lea County, New Mexico.

Q Has there been any similar dual completion in these two pools?

A No, sir, there hasn't. This is the first. That's the reason for the hearing. In fact, the Ellenburger is a new pool discovery.

Q Where is the nearest Ellenburger production?

A The nearest is in the Bronson Ellenburger located

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PHONE 243-6691



approximately three and a half miles Northwest.

Q Will you please explain what is shown on Exhibit No. 1?

A Yes, sir. That's the lease plat with our Scarborough Estate lease which is outlined in red. The Scarborough Estate Well No. 7 is circled in red and located 1650 feet from the South and from the West lines of Section 31, Township 22 South, Range 38 East.

Q Will you please explain what is shown on Exhibit No. 2?

A Yes, sir. Exhibit No. 2 is a log of the Scarborough Estate No. 7. We have marked on the top of the Glorieta at 5143 feet, the top of the Blinebry at 5505 feet; the base of the Blinebry, 5810. We have shown on this log the proposed Blinebry perforations and they will be in a plane with each plane designated here as 5643 feet, 5664 feet to 5701 feet, 5718 feet, 5745 feet, 5805 feet. We show the top of the Tubb at 6066 feet, the base of the Permian at 7357 feet, the top of the McKee, 7458 feet, the top of the Ellenburger, 7825 feet, the base of the Ellenburger, 7872 feet. The Ellenburger perforations are in the interval 8728 to 8751 feet.

Q Will you please explain now what is shown on Exhibit No. 3?

A Yes, sir, that is a schematic diagram of the proposed dual completion. The well was drilled to a total depth of

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PHONE 2-43 6661



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PHONE 983-1971ALBUQUERQUE, N. M.  
PHONE 243-6591

8074 feet, it was plugged back to 8040 feet. We have 9-5/8" casing set at 1268 feet. It was cemented with 625 sacks and the cement was circulated to the surface. The 7" casing was set at 8074 feet, it was cemented with two stages, in two stages with 985 sacks. Had a D.V. tool at 5842 foot, the temperature survey indicated the top of the cement at 2455 feet. We propose to have two strings of 2-3/8" tubing installed in this 7" casing. We'll have a Baker Model D packer set at approximately 7575 feet. We'll have a Baker parallel string anchor at approximately 5630 feet. We've also shown the proposed Blinebry perforations and the Ellenburger perforations.

Q Mr. Hoover, do you have recent production tests for the Ellenburger and for the Blinebry production?

A Yes, sir. This is a production test in the Ellenburger on our Scarborough Estate No. 7.

Q That's the well?

A This well, yes, sir, dated February 15, 1963. It flowed 162 barrels of oil, no water, 2-3/8" tubing; 12/64 choke in twenty-four hours, the tubing pressure 600 pounds; casing pressure 200 pounds. No measurement was made on the gas volume on this particular test. However, on the previous test it was a ratio of approximately 930. The corrected gravity for the Ellenburger oil is 44.4 degrees. The Blinebry has not been



perforated, therefore, no production tests on this particular well.

However, our Scarborough Estate No. 6, which is a Northeast offset to the No. 7, on a gas-oil ratio test taken in January of this year, it flowed 57 barrels of oil, 6 barrels of water through 2-3/8" tubing; 26/64" choke. Gas volume, 356 MCF; gas-oil ratio of 6,246.

The corrected gravity for the Blinebry production from the Scarborough Estate lease is 43.1 degrees API. The Ellenburger and Blinebry oil are classified as intermediate sweet crude.

Q What bottom hole pressure information is available for these formations?

A The bottom hole pressure was taken in the Ellenburger on January 30, 1963, and the bottom hole pressure at a minus 4,511 feet, which is 7839 feet depth, was 3,033 pounds. We had a bottom gradient of .316 pounds per square inch per foot. The Blinebry, again, has not been perforated. Therefore, I have obtained a bottom hole pressure from our Scarborough Estate Well No. 2, which is located in Unit H of the Section 31. This test was back in April of last year. After 48-hour shut-in indicated a bottom hole pressure of 1944 pounds at a minus 2400 feet. That would be 5757 feet in this well.

The tubing gradient was .319 pounds per foot. Using these

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PHONE 983-3971

ALBUQUERQUE, N. M.  
PHONE 243 6671

bottom hole pressures and the tubing gradient in calculating the pressures at the packer setting, I calculated it would be 2588 pounds on top of the packer, that's the Model D packer, and 2831 pounds underneath the packer, or a differential of 243 pounds.

Q What are the economics of a dual completion as compared to two single zone wells?

A A single zone Blinebry well is estimated to cost \$70,000. A single zone Ellenburger well, we estimate would cost \$110,000; therefore, for the two wells would be \$180,000. Our estimated cost to dual in the Ellenburger and the Blinebry is approximately \$107,000. Therefore, representing a saving of \$73,000.

Q Is this application in the interest of the prevention of waste and the protection of correlative rights?

A Yes, it is.

Q Were Exhibits 1, 2 and 3 prepared at your direction and under your supervision?

A Yes, sir.

MR. KASTLER: This concludes my direct examination, Mr. Utz, and I now move that Exhibits 1, 2 and 3 be admitted into evidence.

MR. UTZ: Without objection, Exhibits 1, 2 and 3 will





be admitted into the record.

(Whereupon, Applicant's Exhibits Nos. 1, 2 & 3 were admitted into the record.)

MR. UTZ: Are there any questions of the witness? The witness may be excused.

(Witness excused.)

MR. UTZ: Statements in this case? The case will be taken under advisement.

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 28th day of February, 1963.

*Ada Dearnley*  
Notary Public-Court Reporter

My commission expires:

June 19, 1963.

I do hereby certify that the foregoing is a complete record of the proceedings in the Matter of Hearing of Case No. 2760, heard by me on *Feb 28*, 1963.

*Thos. A. [Signature]*, Examiner  
New Mexico Oil Conservation Commission

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