

CASE 3009: Application of CITIES
SERVICE for dual completion of its
OWEN NO. L WELL, Lea County.

CASE No.
3009

Application,
TRANSCRIPTS,
SMALL Exhibits
ETC.

Continental

Continental

Pan-American

LEGEND

- 8 - Blinebry
- BG - Blinebry Gas
- O - Drinkard
- E - Brunson Ellenburger
- EG - Eumont Gas
- P - Paddock
- PS - Penrose Skelly
- TG - Tubb Gas
- WGW - Wantz Granite Wash
- WA - Wantz Abo

BEFORE EXAMINER NUTTER
OBSERVATION COMMISSION
EXHIBIT NO. 3007

1 "A" 3
 TG BO D TG D BO

2 "B" 4
 BG D BO D

Moran

"B" 1
 BO D

2
 BO D

1
 TG BO D

3
 BO D

Elliott

Lockhart

Marathon

Cities Service

Sinclair

1
 D

4
 D

3
 TG D

7 5
 P

2
 D

3
 BG TG

"367"

Tidewater

2
 D BG

6 3 5
 P TG D

Mark Owen

4 2
 P D

Owen

6 1
 P D BO

1
 D

1
 BG TG

State

Humble

16
 P

14 15
 D-BG P

"S" 13
 P D-TG

5
 P D-BG

215-37E

19 20
 P D-TG

11
 P

8
 P

3
 P

Marathon

Gulf

4 3
 TG BG P

5
 D

5

2
 P

1
 P

4

Lynch

CITIES SERVICE OIL COMPANY
DUAL COMPLETION
WELL #1 Sec. 35, T21S, R37E, Lea Co.

Drinkard

Blinebry

13 3/4" set @ 293'
w/250 sks. circ.

9 5/8" set @ 2824'
w/150 sks. circ.

T.I.W. HSD Retrievable
Dust Seal @ 5608'

T.I.W. HSD Retrievable
Single Picker w/njn Body
for balling @ 5989'

5 1/2" set @ 6410' w/350 sks.
Drinkard Open Hole
6410-6535

T.D. 6535'

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 3
3009

1 1/2" EUE Tbg. @ 5608'

Blinebry Perf:

24 hrs.
13680
1.5 BW
EYP 0.25' pul
2865
320
AP 1600
@-2400

5683-85
5687-94
5695-5700
5726-30
5738-46
5768-82
5786-91
5794-5800
5802-10
5812-28
5848-66
5868-80
5892-5900

2 1/16" Tbg. @ approximately
6500'

38.0°

AP 1600 - 2400

JMD/esr

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. 3009

Order No. R-

APPLICATION OF CITIES SERVICE OIL
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 March 11, 1964, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter, ~~Examiner-duly-appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.~~

NOW, on this _____ day of March, 1964, the Commission,
a quorum being present, having considered the ~~appreciation of the~~ testimony
the record, ~~and the evidence submitted~~ and the recommendations of the Examiner,
~~-----~~, 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, Cities Service Oil Company, seeks authority to complete its Owen Well No. 1, located in Unit P of Section 35, Township 21 South, Range 37 East, NMPM, Lea County, New Mexico, as a dual completion (conventional) to produce oil from the Blinebry Oil Pool through a ~~parallel~~ string of 1 1/2-inch tubing and to produce oil from the Drinkard Oil Pool through a parallel string of 2 1/16-inch tubing, with separation of zones by a packer set at approximately 5989 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.

(5) That some of the Blinebry perforations in the subject well are outside the present vertical limits of the Blinebry Oil Pool; that the applicant proposes to ~~file an application with the Commission to extend~~ ^{seek extension of} the vertical limits of the Blinebry Oil Pool.

(6) That the authority granted by this order should terminate 90 days from the date of this order and not thereafter be effective until all perforations outside the vertical limits of the Blinebry Oil Pool, as designated at the expiration of said 90-day period, have been squeezed with cement.

IT IS THEREFORE ORDERED:

(1) That the applicant, Cities Service Oil Company, is hereby authorized to complete its Owen Well No. 1, located in Unit P of Section 35, Township 21 South, Range 37 East, NMPM, Lea County, New Mexico, as a dual completion (conventional) to produce oil from the Blinebry Oil Pool through a string of 1 1/2-inch tubing and to produce oil from the Drinkard Oil Pool through a parallel string of 2 1/16-inch tubing, with separation of zones by a packer set at approximately 5989 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 Drinkard Oil Pool.

IT IS FURTHER ORDERED:

(1) That the authority granted by this order shall terminate 90 days from the date of this order and not thereafter be effective until all perforations outside the vertical limits of the Blinebry Oil Pool, as designated at the expiration of said 90-day period, have been squeezed with cement.

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CASE No. 3009

(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.



22-3009

CITIES SERVICE OIL COMPANY

BOX 97,500 BROADMOOR BLDG.
HOBBS, NEW MEXICO

February 19, 1964

New Mexico Oil Conservation Commission
P.O. Box 2088
Santa Fe, New Mexico

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

Gentlemen:

Cities Service Oil Company respectfully requests a hearing be scheduled at an early date to consider the dual completion of the Cities Service Owen #1, Unit P, Section 35, T21S, R37E, Lea County, New Mexico.

It is proposed to dual complete the Owen #1 in the Drinkard and Blinebry formations, utilizing 2 1/16" tubing to produce the Drinkard and 1 1/2" tubing to produce the Blinebry. Attached is a New Mexico Oil Conservation Commission "Application For Dual Completion" form along with a schematic diagram of the proposed installation and a location plat.

Very truly yours,

CITIES SERVICE OIL COMPANY

E. F. Motter
Division Engineer

EFM:iar

Attach.

DOCKET MAILED

Date 2-28-64
JL

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

APPLICATION FOR DUAL COMPLETION

Field Name Drinkard		County Lea		Date 2-17-64
Operator Cities Service Oil Co.		Lease Owen		Well No. 1
Location of Well P	Unit P	Section 35	Township 21S	Range 37E

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 ☐
2. If answer is yes, identify one such instance: Order No. MC 1343; Operator, Lease, and Well No.:
Moran Elliot #1

3. The following facts are submitted:	Upper Zone	Lower Zone
a. Name of reservoir	Blinebry Oil	Drinkard
b. Top and Bottom of Pay Section (Perforations)	5683-5900	6410-6535
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.

Continental Oil Company, P. O. Box 460, Hobbs, New Mexico

Pan American Petroleum Corp., P. O. Box 68, Hobbs, New Mexico

Sinclair Oil & Gas Company, 520 E. Broadway, Hobbs, New Mexico

Humble Oil & Refining Co., P. O. Box 2100, Hobbs, New Mexico

Marathon Oil Company, P. O. Box 2107, Hobbs, New Mexico

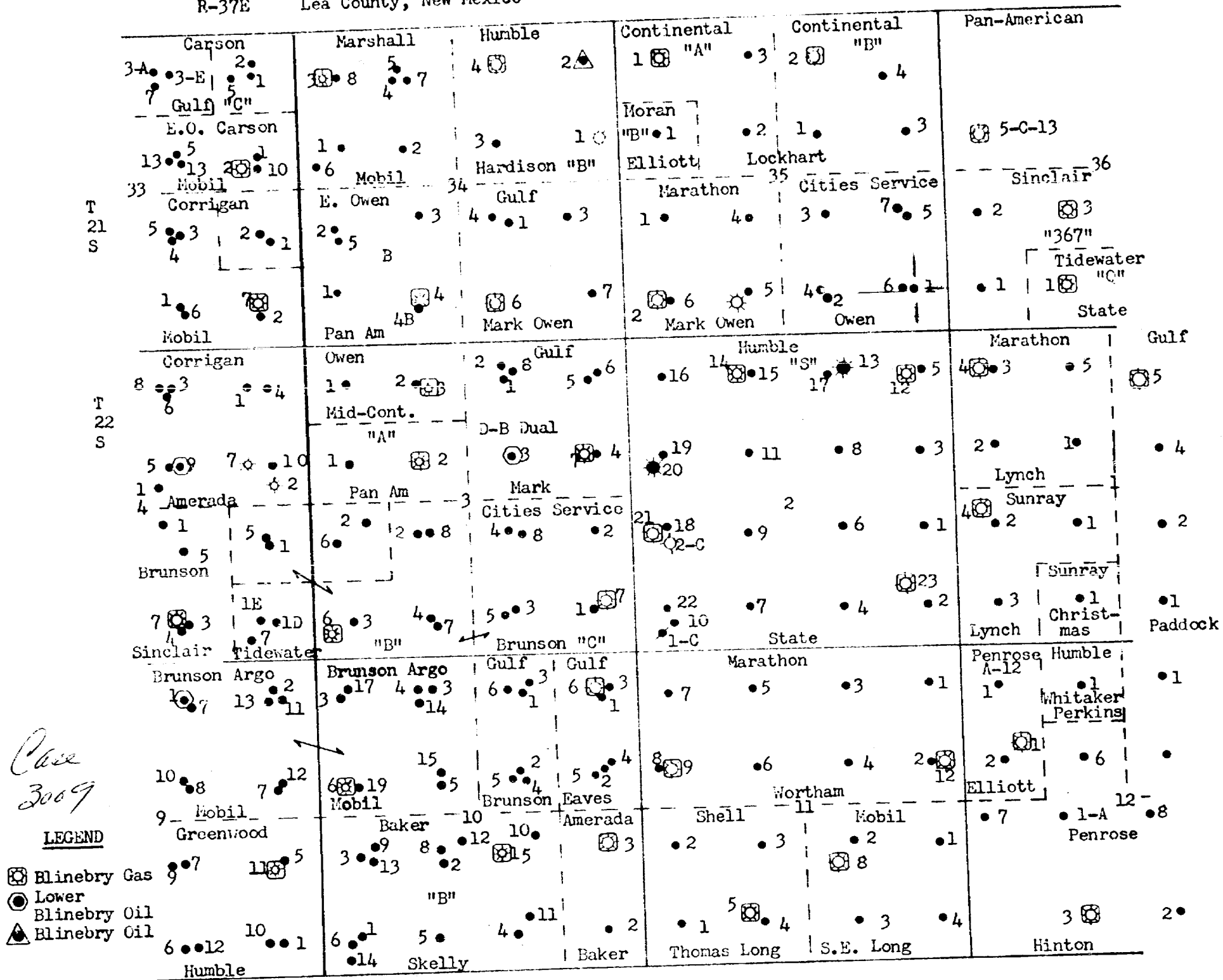
6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES ☐ NO ☒ . If answer is yes, give date of such notification _____.

CERTIFICATE: I, the undersigned, state that I am the Division Engineer of the Cities Service Oil Co. (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

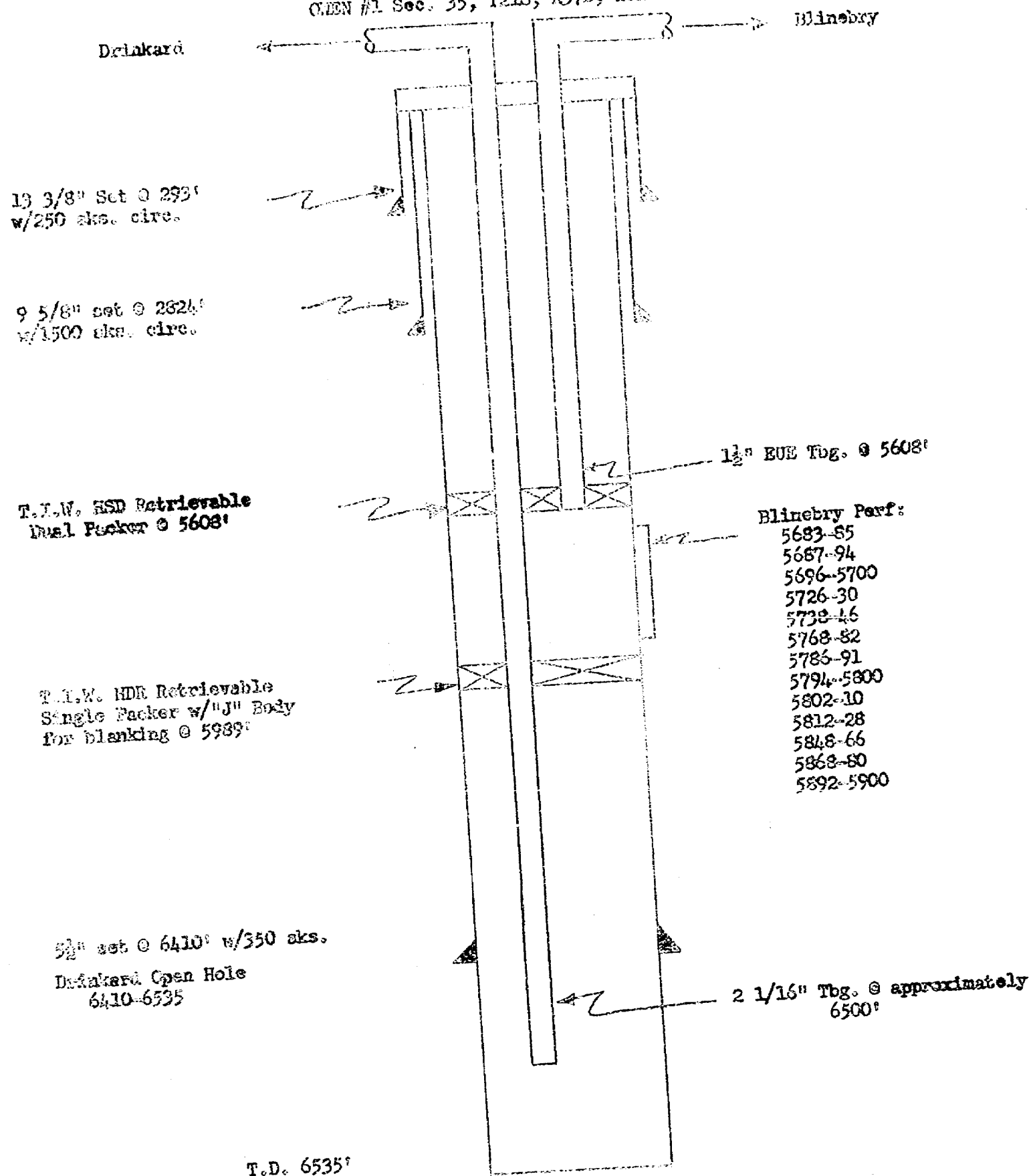
- * Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest 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 proration unit in either or both of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

R-37E Lea County, New Mexico



CITIES SERVICE OIL COMPANY
DUAL COMPLETION
WEN #1 Sec. 35, T21S, R37E, Lea Co.

3009



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MARCH 11, 1964 EXAMINER HEARING

- CASE 3004: Application of Ambassador Oil Corporation for a unit agreement Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Pearsall Queen Sand Unit comprising 960 acres of State and Federal land in Townships 17 and 18 South, Range 32 East, Lea County, New Mexico.
- CASE 3005: Application of Ambassador Oil Corporation for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in the Pearsall (Queen) Pool, Lea County New Mexico, by the injection of water into the Queen formation through 5 wells, located in Sections 4 and 5 Township 18 South, Range 32 East.
- CASE 3006: Application of Continental Oil Company for a waterflood project, Lea County, New Mexico. Applicant in the above-styled cause, seeks authority to institute a waterflood project in the Pearsall (Queen) Pool, Lea County, New Mexico, by the injection of water into the Queen formation through one well located in Unit M of Section 33, Township 17 South, Range 32 East.
- CASE 3007: Application of Consolidated Oil & Gas, Inc. for a triple completion, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval of the triple completion (conventional) of its Hoyt Well No. 2-5, located in Unit L of Section 5, Township 26 North, Range 4 West, Rio Arriba County, New Mexico, to produce gas from the Basin-Dakota and Blanco Mesaverde Gas Pools and oil from an undesignated Gallup oil pool through parallel strings of 2 1/16 inch, 1 1/2 inch, and one inch tubing, respectively.
- CASE 3008: Application of Phillips Petroleum Company for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the triple completion (conventional) of its Santa Fe Well No. 87, located in Unit L of Section 31, Township 17 South, Range 35 East, Lea County, New Mexico, to produce oil from the North Vacuum-Abo, Vacuum-Wolfcamp and Vacuum-Glorieta Pools through parallel strings of 2 3/8-inch OD tubing.
- CASE 3009: Application of Cities Service Oil Company for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the dual completion (conventional) of its Owen No. 1 Well located in Unit P of Section 35, Township 21 South, Range 37 East, Lea County, New Mexico, to produce oil from the Blinebry and Drinkard Oil Pools through parallel strings of 1 1/2-inch and 2 1/16-inch tubing, respectively.
- CASE 3010: Application of R. C. Davoust for the expansion of a waterflood project, Eddy County, New Mexico. Applicant, in the above-styled cause, as successor to Stanton Oil Company, Ltd., seeks to expand the Turkey Track Pool Waterflood Project authorized by Order No. R-1524. Said expansion would be effected by the drilling of 11 water injection wells to the Queen formation at certain unorthodox locations no nearer than 5 feet distance from any 40-acre lot line in Section 34, Township 18 South, Range 29 East, and Section 3, Township 19 South, Range 29 East, Eddy County, New Mexico.

DOCKET: EXAMINER HEARING - WEDNESDAY - MARCH 11, 1964

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, Alternate Examiner:

CASE 2988 (Continued from the February 5, 1964 Examiner Hearing)

In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit George E. Willett and all other interested parties to appear and show cause why the SDD Hare Well No. 7, located 600 feet from the South line and 1360 feet from the East line of Section 14, Township 29 North, Range 11 West, San Juan County, New Mexico, should not be plugged in accordance with a Commission-approved plugging program.

CASE 2998 (Continued from the February 19, 1964 Examiner Hearing)

Application of Tenneco Oil Company for a gas well-water injection well, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks authority to dually complete its Central Totah Unit Well No. 24 located in Unit O of Section 11, Township 28 North, Range 13 West, San Juan County, New Mexico, to produce gas from the Basin-Dakota Gas Pool through 1 1/2 inch tubing and to inject water into the Gallup formation, Totah-Gallup Oil Pool, through 2 1/16 inch tubing with separation of the zones by a packer set at 5766 feet.

CASE 3001: In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit O. A. Peters and all interested parties to appear and show cause why the Peters State Well No. 1, located 860 feet from the South line and 660 feet from the East line of Section 2, Township 1 North, Range 20 East, De Baca County, New Mexico, should not be plugged in accordance with a Commission-approved plugging program.

CASE 3002: Application of Pan American Petroleum Corporation for the creation of a new gas pool and for special pool rules, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new Lower Paddock Gas Pool for its SMU Well No. 16, located in Unit O of Section 15, Township 24 South, Range 37 East, and the establishment of special pool rules therefor, including a provision for 320-acre spacing, Lea County, New Mexico.

CASE 2737 (Reopened): In the matter of Case No. 2737 being reopened pursuant to the provisions of Order No. R-2429-A, which order established temporary 640-acre spacing units for the White City-Pennsylvanian Gas 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 160-acre spacing units.

CASE 3003: Application of Cabot Corporation for the creation of a new oil pool and for special pool rules, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new Bough "C" Oil Pool for its Signal State Well No. 1, located in Unit A of Section 29, Township 8 South, Range 33 East, Chaves County, New Mexico, and for the establishment of temporary pool rules therefor, including a provision for 80-acre proration units.

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. 3009
Order No. R-2675

APPLICATION OF CITIES SERVICE OIL
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
March 11, 1964, at Santa Fe, New Mexico, before Examiner
Daniel S. Nutter.

NOW, on this 18th day of March, 1964, the Commission, a
quorum being present, having considered the testimony, the record,
and the recommendations of the Examiner, 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, Cities Service Oil Company, seeks
authority to complete its Owen Well No. 1, located in Unit P of
Section 35, Township 21 South, Range 37 East, N44PM, Lea County,
New Mexico, as a dual completion (conventional) to produce oil
from the Blinebry Oil Pool through a string of 1 1/2-inch tubing
and to produce oil from the Drinkard Oil Pool through a parallel
string of 2 1/16-inch tubing, with separation of zones by a
packer set at approximately 5989 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.

(5) That some of the Blinebry perforations in the subject
well are outside the present vertical limits of the Blinebry Oil
Pool; that the applicant proposes to seek extension of the
vertical limits of the Blinebry Oil Pool.

(6) That the authority granted by this order should ter-
minate 90 days from the date of this order and not thereafter be

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CASE No. 3009
Order No. R-2678

effective until all perforations outside the vertical limits of the Blinbry Pool, as designated at the expiration of said 90-day period, have been squeezed with cement.

IT IS THEREFORE ORDERED:

(1) That the applicant, Cities Service Oil Company, is hereby authorized to complete its Owen Well No. 1, located in Unit P of Section 35, Township 21 South, Range 37 East, NMPM, Lea County, New Mexico, as a dual completion (conventional) to produce oil from the Blinbry Oil Pool through a string of 1 1/2-inch tubing and to produce oil from the Drinkard Oil Pool through a parallel string of 2 1/16-inch tubing, with separation of zones by a packer set at approximately 5989 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 Drinkard Oil Pool.

IT IS FURTHER ORDERED:

(1) That the authority granted by this order shall terminate 90 days from the date of this order and not thereafter be effective until all perforations outside the vertical limits of the Blinbry Oil Pool, as designated at the expiration of said 90-day period, have been squeezed with cement.

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

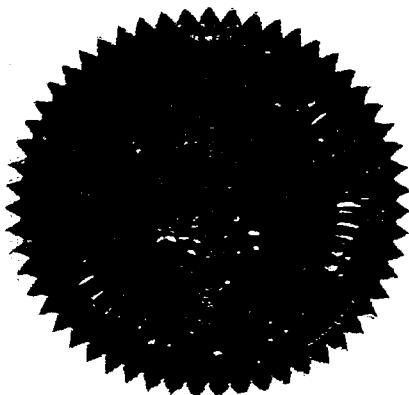
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

JACK M. CAMPBELL, Chairman

H. S. WALKER, Member

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



ONE/

GOVERNOR
JACK M. CAMPBELL
CHAIRMAN

State of New Mexico
Oil Conservation Commission



LAND COMMISSIONER
C. S. JOHNNY WALKER
MEMBER

P. O. BOX 871
SANTA FE

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

March 18, 1964

Mr. Jason Kellahin
Kellahin & Fox
Attorneys at Law
Post Office Box 1769
Santa Fe, New Mexico

Re: Case No. 3009
Order No. R-2675
Applicant:
Cities Service Oil Company

Dear Sir:

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

Very truly yours,

A. L. PORTER, JR.
Secretary-Director

ix/

Carbon copy of order also sent to:

Hobbs OCC x

Artesia OCC

Antec OCC

OTHER

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
March 11, 1964

EXAMINER HEARING

DEARNLEY-MEIER REPORTING SERVICE, Inc.

DALLAS, TEXAS, N. M.
PHONE 325-1162

SANTA FE, N. M.
PHONE 983-3971

ALBUQUERQUE, N. M.
PHONE 243-6691

IN THE MATTER OF:

Application of Cities Service Oil Company
for a dual completion, Lea County, New
Mexico. Applicant, in the above-styled
cause, seeks approval of the dual comple-
tion (conventional) of its Owen No. 1 Well
located in Unit P of Section 35, Township
21 South, Range 37 East, Lea County, New
Mexico, to produce oil from the Blinbry
and Drinkard Oil Pools through parallel
strings of 1½-inch and 2 1/16-inch tubing,
respectively.

Case No. 3009

BEFORE: DANIEL S. NUTTER, EXAMINER.

TRANSCRIPT OF HEARING

DEARNLEY, MEIER, WILKINS and CROWNOVER

General Court Reporting Service

Phone 243-6601

Albuquerque, New Mexico

Suite 1120 Simms Building

MR. NUTTER: We will call Case 3009.

MR. DURRETT: Application of Cities Service Oil Company for a dual completion, Lea County, New Mexico.

MR. KELLAHIN: Jason Kellahin, Kellahin and Fox, Santa Fe, representing the applicant. I have one witness I would like to have sworn, please.

(Witness sworn.)

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

E. F. MOTTER

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

DIRECT EXAMINATION

BY MR. KELLAHIN:

Q Would you state your name, please?

A E. F. Motter.

Q By whom are you employed and in what position?

A Cities Service Oil Company, Division Engineer of the Texas-Mexico Division.

Q Have you testified before the Oil Conservation Commission and made your qualifications a matter of record?

A Yes, numerous times.

MR. KELLAHIN: Are the witness's qualifications accept-



able?

MR. NUTTER: They are.

Q Are you familiar with the application of Cities Service Oil Company in Case No. 3009?

A Yes, sir, I filed the application.

Q Would you state what is proposed?

A Cities Service proposes to dually complete their Owen No. 1 in the Blinebry and Drinkard Pools by the use of 2 1/16-inch tubing to the Drinkard and 1 1/2-inch tubing to the Blinebry.

Q Can you give a description of the well location and its history?

A Yes. If we can refer to Exhibit No. 1, this is a plat of the Cities Service Owen lease. The Owen No. 1 is located 660 feet from the South line and 660 from the East line, Section 35, Township 21 South, Range 37 East, Lea County. This well was originally a Drinkard single completion. It's recently been producing allowable five barrels a day, which is a penalized allowable because of GOR. The latest test on the well was 22 barrels of oil, 630 MCF of gas, with a resulting GOR of 28,700, which gives an allowable of five barrels a day.

There are a number of Blinebry oil wells in the area, so we investigated this possibility and decided to attempt a Blinebry completion; to go a bit further along, the duals, there are several



DEARNLEY, MEIER, WILKINS and CROWNOVER

General Court Reporting Service

Phone 243-6691

Albuquerque, New Mexico

Suite 1120 Simms Building

other duals of similar nature not using the inch and a half tubing, but some of the first duals with the Humble Oil and Refining State S No. 22 in Unit M, Section 3, 22 South, 37 East. The Gulf Mark 3, it's in Unit G, Section 3, 22, 37, and recently we received Order R-2649 which authorized our Brunson C-4, located in Unit J, Section 3, 22, 37, to be dualled in exactly the same manner in which we were seeking approval for the Owen No. 1.

Q Referring to what has been marked as Exhibit No. 2, would you identify that exhibit and state what it shows?

A This is a Frontier isotron log which has the perforations marked on the Blinebry sections, also has the top of the Paddock and the Blinebry Pool marked. This well was recently worked over in the Blinebry, and those perforations that are identified on the log and on potential, or test, flowed 136 barrels of oil, 1½ barrels of water in 24 hours on a 16/64 choke, flowing tubing pressure of 425 pounds, COR of 2865, the gravity of 33 degrees. The gravity on the Drinkard zone is 38.2.

On March the 5th, 1964 we ran 24-hour bottom hole pressure surveys, the zones were shut-in for 24 hours. The Drinkard was found to be 969 pounds at a subsea depth of minus 3050, Blinebry was 1605 at a subsea depth of minus 2400.

Q Referring to what has been marked as Exhibit No. 3, would you identify that exhibit and discuss the completion of this



well?

A Yes, this is a schematic of the dual completion of the Owen No. 1, indicating the casing strings. The well does have 5½-inch casing set at 6410 feet with 350 sacks. The Drinkard is completed in open hole from 6410 to 6535. We have a TIWHDR retrievable packer set at 5989, 2½-inch tubing, of course, pardon, 2 1/16 tubing, producing the Drinkard, a TIWHS retrievable packer set at 3608 with 1½-inch tubing set in there to produce the Blinebry.

As we stated earlier in the hearing of the Brunson C-4, the current allowable of 52 barrels per day, the friction loss inside 1½-inch tubing is practically negligible. One reason we are using the 1½ is because of the considerable amount on hand which is surplus, and we will save approximately \$3300.00 cash outlay by using this used 1½ tubing.

Q Has this type of completion been approved by the Commission in the past?

A Yes. Our Brunson C-4 has just recently been approved.

Q This is an identical situation, is it not?

A This is true.

Q Were Exhibits 1, 2 and 3 prepared by you or under your supervision?

A Yes, they were.



MR. KELLAHIN: At this time I would like to offer in evidence Exhibits 1, 2 and 3.

MR. NUTTER: Cities Service Exhibits 1 through 3 will be admitted in evidence.

(Whereupon, Applicant's Exhibits 1, 2 & 3 were offered and admitted in evidence.)

MR. KELLAHIN: That's all I have.

CROSS EXAMINATION

BY MR. NUTTER:

Q I failed to get all the information you gave on the completion data for the Blinebry. Would you run through that quickly?

A Certainly. The well tested for a 24-hour period by flowing 136 barrels of oil, $1\frac{1}{2}$ barrels of water on a quarter-inch choke, flowing tubing pressure, 425 pounds, GOR of 2665. The gravity is 33 degrees.

Q That was it. What is the top of the cement on the $5\frac{1}{2}$ -inch casing?

A Oh, I really haven't calculated, it would be well above Blinebry section though. I don't believe a survey was run, but we had no difficulty in testing and treating the Blinebry perforations.

Q Do you know what size hole was drilled?

A Yes, it was a $7\frac{7}{8}$ ths hole. I would assume that 350

DEARNLEY, MEIER, WILKINS and CROWNOVER

General Court Reporting Service

Suite 1120 Simms Building Albuquerque, New Mexico Phone 243-6691



sacks probably gave us approximately a thousand feet of cement. It should have very easily. A thousand feet of fill-up.

Q Which would be above the Blinebry then, and your 9 5/8ths will circulate?

A Right.

MR. NUTTER: Are there any questions of Mr. Motter?

MR. KELLAHIN: I would like to mention that the Blinebry perforation may not conform entirely to the defined limits of the Blinebry Pool. It is not unique in this well, there are a number of wells in the same situation. It is my understanding, in fact we checked today and Continental is filing an application to change the delineation of the Blinebry Pool which would conform to this.

BY MR. NUTTER:

Q These perforations extend above the top limit of the pool or below the bottom limit?

A Below the bottom limit.

Q They go down into the no-man's land between the Blinebry and the Tubb?

A That's right. We like to refer to it as the gray area. If you would like, I have some information if you want to go into it at all. We would most certainly appreciate an allowable as soon as we could in view of the fact that this other hearing will



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be coming up and we, of course, will support Continental in this case. I have a list of the other wells in the same situation that we do have allowables on.

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

(Witness excused.)

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

MR. KELLAHIN: That's all I have.

MR. NUTTER: Does anyone have anything they wish to offer in Case 3009? We'll take the case 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 5th day of April, 1964.

Ada Dearnley
Notary Public-Court Reporter

My commission expires June 19, 1967. I do hereby certify that the foregoing is a complete record of the proceedings in the Examining Hearing of Case No. 3009 heard by me on 3/11/64.

Scott, Examiner
New Mexico Oil Conservation Commission



Memo

From
D. S. NUTTER
CHIEF ENGINEER

To

and
Lynn (Lynn)

PH 3-1-1

1/2" x 2 1/16" - 1/4" - 1/4"

P-35-213-771

Gwen H /