

Case No.

1414

Application, Transcript,
Small Exhibits, Etc.



OIL CONSERVATION COMMISSION
P. O. BOX 871
SANTA FE, NEW MEXICO

April 28, 1958

C
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P
Y

Mr. H. N. Wade
The Texas Company
P.O. Box 1720
Ft. Worth 1, Texas

Dear Mr. Wade:

We enclose a copy of Order R-1165 issued April 22, 1958,
by the Oil Conservation Commission in Case 1414, which was
heard on April 9th at Santa Fe before an examiner.

Very truly yours,

A. L. Porter, Jr.
Secretary - Director

bp
Encl.

**BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO**

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

**CASE NO. 1414
Order No. R-1165**

**APPLICATION OF THE TEXAS COMPANY FOR
AN OIL-OIL DUAL COMPLETION IN THE
SKAGGS-DRINKARD OIL POOL AND IN AN
UNDESIGNATED GLORIETA OIL POOL IN LEA
COUNTY, NEW MEXICO.**

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on April 9, 1958, at Santa Fe, New Mexico, before Elvis A. Utz, Examiner duly appointed by the New Mexico Oil Conservation Commission, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 22nd day of April, 1958, 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, The Texas Company, is the owner and operator of the C. H. Weir "B" Well No. 1, located in the SE/4 NE/4 of Section 11, Township 20 South, Range 37 East, NMPM, Lea County, New Mexico.

(3) That the applicant proposes to dually complete the said C. H. Weir "B" Well No. 1 in such a manner as to permit the production of oil from the Skaggs-Drinkard Oil Pool and to permit the production of oil from an undesignated Glorieta oil pool through parallel strings of 2 1/16-inch CS joint Hydril tubing.

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

(5) That approval of the subject application will not cause waste nor impair correlative rights.

(6) That the subject application should be approved.

IT IS THEREFORE ORDERED:

(1) That the applicant, The Texas Company, be and the same is hereby authorized to dually complete its C. H. Weir "B" Well No. 1, located in the SE/4 NE/4 of Section 11, Township 20

South, Range 37 East, NEPM, Lea County, New Mexico, in such a manner as to permit the production of oil from the Shaggs-Drinkard Oil Pool and to permit the production of oil from an undesignated Glorieta oil pool through parallel strings of 2 1/16-inch CS joint Hydril tubing.

PROVIDED HOWEVER, That subject well shall be completed and thereafter produced in such a manner that there will be no casing-ling within the well-bore, either within or outside the casing, of gas, oil and gas, or oil produced from either or both of the separate strata,

PROVIDED HOWEVER, That prior to the actual dual completion the operator shall make pressure tests of the casing to prove that no casing leaks exist. In the event a casing leak is apparent the operator shall take appropriate steps to adequately repair the leak. The results of these tests shall be reported to the Commission on Form C-103.

PROVIDED FURTHER, That upon the actual dual completion of such subject well applicant shall submit to the appropriate District Office of the Commission copies of Oil Conservation Commission Form C-103, Form C-104, Form C-110, and Form C-122, outlining the information required on those forms by existing Rules and Regulations, and two copies of the electric log of the well.

PROVIDED FURTHER, That said subject well for dual completion and production shall be equipped in such a way that reservoir pressures may be determined separately for each of the two specified strata, and further, be equipped with all necessary connections required to permit recording meters to be installed and used at any time as may be required by the Commission or its representatives, in order that natural gas, oil, or oil and gas from each separate stratum may be accurately measured and the gas-oil or gas-liquid ratio thereof determined, and

PROVIDED FURTHER, That the operator shall make any and all tests, including segregation and packer-leakage tests upon completion and annually thereafter during the Gas-Oil Ratio Test Period for the Shaggs-Drinkard Pool, commencing in the year 1959, and whenever the packer is disturbed, but not excluding any other tests and/or determinations as deemed necessary by the Commission; the original and all subsequent tests shall be witnessed by representatives of offset operators if any there be at their election, and the results of each test, properly attested to by the applicant herein and all witnesses, shall be filed with the Commission within fifteen (15) days after the completion of such tests, and further, that applicant shall file with the Commission in duplicate a packer-setting affidavit, which affidavit shall be due within fifteen (15) days of the dual completion or whenever the packer is disturbed, and

PROVIDED FURTHER, That upon the actual dual completion of such subject well, applicant shall submit to the Commission a diagrammatic sketch of the mechanical installation which was actually used to complete and produce the seal between the strata,

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Case No. 1414
Order No. E-1165

and a special report of production, gas-oil ratio or gas-liquid ratio, and reservoir pressure determination for each producing well or stratum immediately following completion.

IT IS HEREBY ORDERED: That jurisdiction of this cause is hereby retained by the Commission for such further order or orders as may seem necessary or convenient for the protection of public and/or protection of conservation rights; upon failure of applicant to comply with any requirement of this order after proper notice and hearing the Commission may terminate the authority hereby granted and require applicant or its successors and assigns to limit its activities to regular single-well production in the interests of conservation.

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

E. L. Nechem

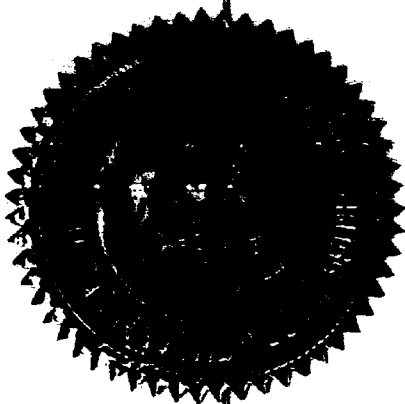
EDWIN L. NECHEM, Chairman

Murray E. Morgan

MURRAY E. MORGAN, Member

A. L. Porter, Jr.

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



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Case 1414

THE TEXAS COMPANY

TEXACO PETROLEUM PRODUCTS



PRODUCING DEPARTMENT
WEST TEXAS DIVISION

P. O. BOX 1720
FORT WORTH 1, TEXAS

February 28, 1958

Application to Dually Complete
The Texas Company, C.H. Weir "B"
Well No. 1
Skaggs Drinkard Oil Pool and
Undesignated Glorieta Oil Pool
Lea County, New Mexico

New Mexico Oil Conservation Commission
Box 871
Santa Fe, New Mexico

Gentlemen:

By this letter of application, The Texas Company wishes
to state the following:

- (a) That The Texas Company, C. H. Weir "B", Well No. 1 is located at position "H", SE/4 NE/4 Section 11, T-20-S, R-37-E and is completed at a plugged back total depth of 6898 feet. The attached Exhibit "A" shows the location of the subject well on the C. H. Weir "B" lease with the location of all offset wells.
- (b) That the subject well has 5½-inch casing set at 8000 feet and cemented with 750 sacks of cement which extends behind the pipe to the surface. The well is to be an oil-oil dual having open the interval 6856 to 6896 feet from the Drinkard formation in the Skaggs Drinkard Oil Pool, and the interval 5243 to 5350 feet from the Glorieta formation in the Undesignated Glorieta Oil Pool.
- (c) That the applicant proposes to dually complete the well in the following manner:
 - (1) Set a production type packer below the upper perforations at approximately 6830 feet to separate the two pay zones.
 - (2) Produce the Skaggs Drinkard oil through a string of tubing which will extend through the packer and produce the Glorieta oil through a string of tubing which will be run in the annular space between the oil casing string and the large tubing string to a point as nearly opposite the Glorieta perforations as possible. The production of the two oil zones would thus be through separate tubing strings.

February 28, 1958

(d) That the granting of this application for permission to produce the subject well, as a dual completion, is in the interest of conservation and the protection of correlative rights.

(e) That the applicant will comply with all rules and regulations of the New Mexico Oil Conservation Commission to maintain separation of production from the two pay zones.

(f) That the manner and method of the proposed dual completion is mechanically feasible and practical.

(g) That by copy of this letter of application, all offset operators are notified by registered mail of the proposed dual completion.

Therefore, The Texas Company respectfully requests that the Oil Conservation Commission set for hearing this application. The Texas Company further requests that said hearing be set on the first available docket, either before an examiner or before the Commission at its regular monthly hearings.

Respectfully submitted,

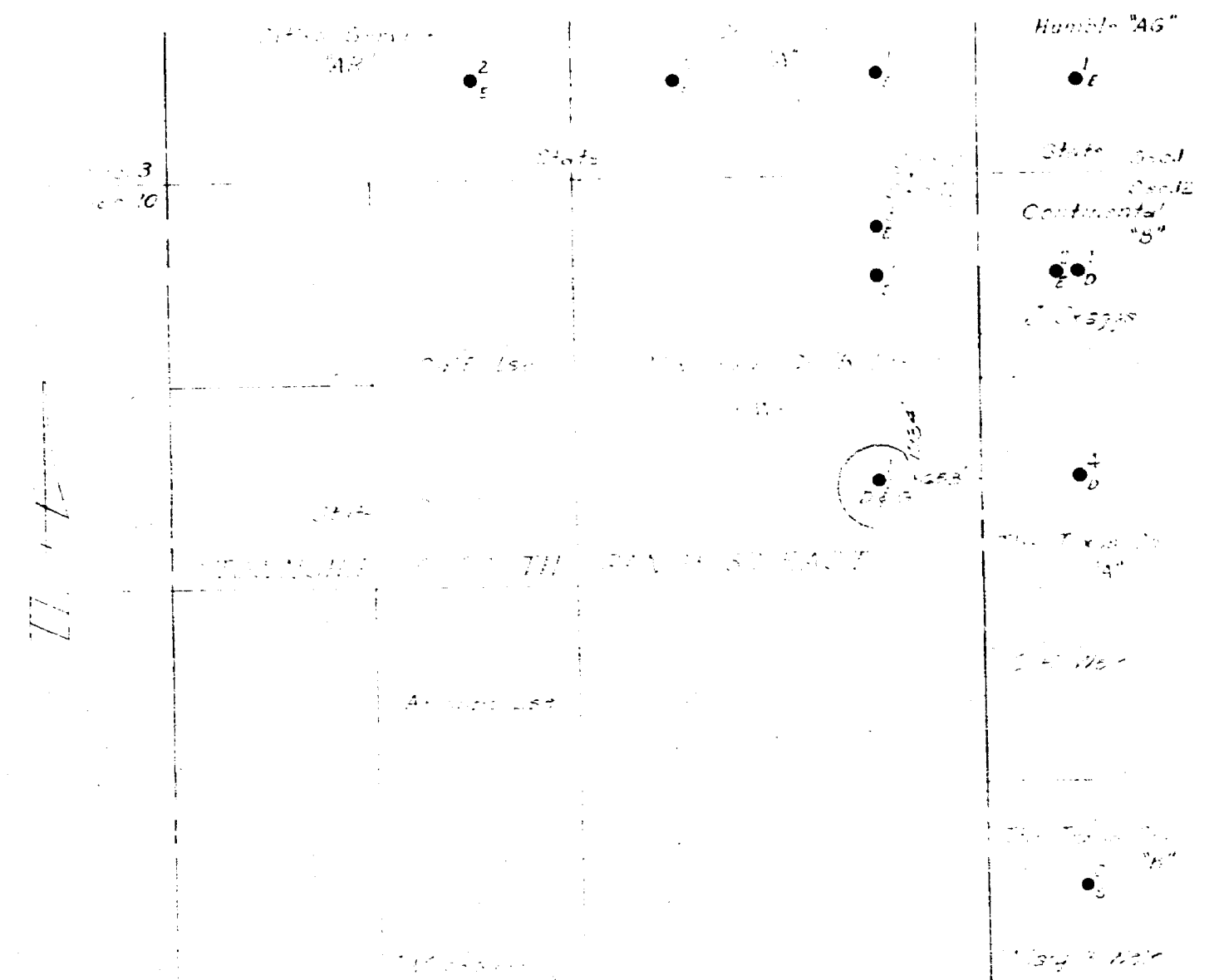
THE TEXAS COMPANY



H. N. Wade
Petroleum Engineer

HNW:DL
Attachment

cc: Atlantic Refining Company
Cities Service Oil Company
Continental Oil Company
Gulf Oil Company
Humble Oil & Refining Co.
Pan American Oil Corp.
Standard Oil Company of
Texas



LEGEND -
 E-Point
 D-Gravelly
 S-Sand

LAND GRANTS, NEW MEXICO
 Scale 1:50,000

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Date 4-11-58

CASE 1419

Hearing Date 4-9-58

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

1. Approve as requested using Std. Twin
Heavy Oil - Oil Quab.
2. Upper Completion is ~~Undesignated~~ ^{Designated} Glauco.
3. Lower " " Skaggs - Drilled oil
Pool.

Quail City.
Tenn.

Staff Member

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

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

CASE NO. 1340
Order No. R-1107

APPLICATION OF THE OHIO OIL
COMPANY FOR AN ORDER AUTHORIZING
AN OIL-OIL DUAL COMPLETION IN THE
MONUMENT-BLINEBRY POOL, AND MONUMENT-
PADDOCK POOL IN LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m., on November 20, 1957, at Santa Fe, New Mexico, before Elvis A. Utz, Examiner duly appointed by the New Mexico Oil Conservation Commission, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 6th. day of January, 1958, 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, The Ohio Oil Company, seeks permission to dually complete its Bertha Barber Well No. 9, located 1980 feet from the North line and 560 feet from the West line of Section 5, Township 20 South, Range 37 East, NMPM, Lea County, New Mexico, in such a manner that oil may be produced from the Monument - Blinebry Pool and the Monument-Paddock Pool.

(3) That the applicant proposes to use parallel strings of 2-1/16 inch Hydril "CS" joint tubing to accomplish the above-described dual completion.

(4) That the applicant should be permitted to dually complete the said Bertha Barber Well No. 9 in the proposed manner.

IT IS THEREFORE ORDERED:

CASE NO. 1340
Order No. R-1107

(1) That the applicant, The Ohio Oil Company, be and the same is hereby authorized to dually complete its Bertha Barber Well No. 9, located 1980 feet from the North line and 560 feet from the West line of Section 5, Township 20 South, Range 37 East, NMPM, Lea County, New Mexico, in such a manner as to produce oil from the Monument-Blinebry Pool and oil from the Monument-Paddock Pool through parallel strings of 2-1/16 inch Hydril "CS" joint tubing.

PROVIDED HOWEVER, That subject well shall be completed and thereafter produced in such a manner that there will be no commingling within the well-bore, either within or outside the casing, of gas, oil and gas, or oil produced from either or both of the separate strata,

PROVIDED HOWEVER, That prior to the actual dual completion the operator shall make pressure tests of the casing to prove that no casing leaks exist. In the event a casing leak is apparent the operator shall take appropriate steps to adequately repair the leak. The results of these tests shall be reported to the Commission on Form C-103.

PROVIDED FURTHER, That upon the actual dual completion of such subject well applicant shall submit to the appropriate District Office of the Commission copies of Oil Conservation Commission Form C-103, Form C-104, Form C-110, and Form C-122, outlining the information required on those forms by existing Rules and Regulations, and two copies of the electric log of the well.

PROVIDED FURTHER, That said subject well for dual completion and production shall be equipped in such a way that reservoir pressures may be determined separately for each of the two specified strata, and further, be equipped with all necessary connections required to permit recording meters to be installed and used at any time as may be required by the Commission or its representatives, in order that natural gas, oil, or oil and gas from each separate stratum may be accurately measured and the gas-oil or gas-liquid ratio thereof determined, and

PROVIDED FURTHER, That the operator shall make any and all tests, including segregation and packer-leakage tests upon completion and annually thereafter during the Gas Oil Ratio Test Period for the Monument Paddock Pool, commencing in the year 1958, and whenever the packer is disturbed, but not excluding any other tests and/or determinations as deemed necessary by the Commission; the original and all subsequent tests shall be witnessed by representatives of offset operators if any there be at their election, and the results of each test, properly attested to by the applicant herein and all witnesses, shall be filed with the Commission within fifteen (15) days after the completion of such tests, and further, that applicant shall file with the Commission in duplicate a packer-setting affidavit, which affidavit shall be due within fifteen (15) days of the dual completion or whenever the packer is disturbed, and

PROVIDED FURTHER, That upon the actual dual completion of such subject well, applicant shall submit to the Commission a diagrammatic sketch of the mechanical installation which was actually used to complete and produce the seal between

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CASE NO. 1340

Order No. R-1107

the strata, and a special report of production, gas-oil ratio or gas-liquid ratio, and reservoir pressure determination for each producing zone or stratum immediately following completion.

IT IS FURTHER ORDERED, That jurisdiction of this cause is hereby retained by the Commission for such further order or orders as may seem necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of applicant to comply with any requirement of this order after proper notice and hearing the Commission may terminate the authority hereby granted and require applicant or its successors and assigns to limit its activities to regular single-zone production in the interests of conservation.

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

EDWIN L. MECHEM, Chairman

MURRAY E. MORGAN, Member

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

S E A L

DOCKET: EXAMINER HEARING APRIL 9, 1958

OIL CONSERVATION COMMISSION 9 a.m., MABRY HALL, STATE CAPITOL, SANTA FE, NM

The following cases will be heard before Elvis A. Utz, Examiner:

- - -

- CASE 1356: Application of Cities Service Oil Company for an order amending Order No. R-1128. Applicant, in the above-styled cause, seeks an order amending Order No. R-1128 to authorize the transfer of allowable from water injection wells to other wells on the same basic lease, to establish a lease allowable for the applicant's Government "B" Lease, and to authorize administrative approval for additions to, or deletions from the pilot area and/or injection wells.
- CASE 1404: Application of Continental Oil Company for permission to produce more than eight oil wells into a common tank battery. Applicant, in the above-styled cause, seeks an order authorizing the production of a maximum of eleven oil wells in the Jalmat Gas Pool into a common tank battery. Said wells are located on the applicant's Eaves A-19 lease comprising the S/2, S/2 NW/4, and NW/4 NW/4 of Section 19, Township 26 South, Range 37 East, Lea County, New Mexico.
- CASE 1405: Application of Continental Oil Company for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its A. M. Lockhart B-14 "A" No. 1-D Well, located 1980 feet from the North line and 660 feet from the East line of Section 14, Township 21 South, Range 37 East, Lea County, New Mexico, in such a manner as to produce oil from the Terry Blinebry Oil Pool and oil from the Drinkard Oil Pool through parallel strings of tubing.
- CASE 1406: Application of Continental Oil Company for a non-standard gas proration unit. Applicant, in the above-styled cause, seeks an order establishing a 200-acre non-standard gas proration unit in the Eumont Gas Pool consisting of the S/2 S/2 and the NW/4 SW/4 of Section 13, Township 20 South, Range 37 East, Lea County, New Mexico, said unit to be dedicated to the applicant's SEMU Permian Well No. 41 located 660 feet from the South and East lines of said Section 13.
- CASE 1407: Application of Delhi-Taylor Oil Corporation for a non-standard gas proration unit. Applicant, in the above-styled cause, seeks an order establishing a 169.42-acre non-standard gas proration unit in the Aztec-Pictured Cliffs Gas Pool consisting of the SW/4 and S/2 NW/4 of Section 31, Township 29 North, Range 8 West, San Juan County, New Mexico, said unit to be dedicated to the applicant's Prichard Well No. 4-C, located 1450 feet from the South line and 790 feet from the West line of said Section 31.

Examiner Hearing April 9, 1958

CASE 1408:

Application of Delhi-Taylor Oil Corporation for a non-standard gas proration unit. Applicant, in the above-styled cause, seeks an order establishing a 170.58-acre non-standard gas proration unit in the Aztec-Pictured Cliffs Gas Pool consisting of the SW/4 of Section 30 and the N/2 NW/4 of Section 31, all in Township 29 North, Range 8 West, San Juan County, New Mexico, said unit to be dedicated to the applicant's Jones Well No. 3, located 1750 feet from the South line and 1090 feet from the West line of said Section 30.

CASE 1409:

Application of Gulf Oil Corporation for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Lea State "CL" Well No. 1, located 2651 feet from the North line and 1650 feet from the East line of Section 2, Township 16 South, Range 32 East, Lea County, New Mexico, in such a manner as to permit the production of oil from the Wolfcamp formation adjacent to the Anderson Ranch-Wolfcamp Pool and oil from the Anderson Ranch-Devonian Pool through parallel strings of tubing.

CASE 1410:

Application of Gulf Oil Corporation for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Lea State "R" Well No. 1, located 990 feet from the North line and 660 feet from the East line of Section 2, Township 16 South, Range 32 East, Lea County, New Mexico, in such a manner as to permit the production of oil from the Wolfcamp formation adjacent to the Anderson Ranch-Wolfcamp Pool and oil from the Anderson Ranch-Devonian Pool through parallel strings of tubing.

CASE 1411:

Application of Gulf Oil Corporation for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its J. F. Janda "F" Well No. 3, located 1980 feet from the North and West lines of Section 4, Township 22 South, Range 36 East, Lea County, New Mexico, in such a manner as to permit the production of oil from the Jalmat Gas Pool and oil from the South Eunice (Oil) Pool through parallel strings of tubing.

CASE 1412:

Application of John M. Kelly for a non-standard gas proration unit. Applicant, in the above-styled cause, seeks an order establishing a 240-acre non-standard gas proration unit in the Eumont Gas Pool consisting of the E/2 SW/4, W/2 SE/4, and W/2 NE/4 of Section 16, Township 19 South, Range 37 East, Lea County, New Mexico, said unit to be dedicated to the applicant's Humble State No. 1 Well located 1980 feet from the South and West lines of said Section 16.

CASE 1413:

Application of Austral Oil Exploration Company for an exception to Rule 309 of the Commission Rules and Regulations. Applicant, in the above-styled cause, seeks an order authorizing it to commingle the production from all wells completed in the Townsend-Wolfcamp Pool, Lea County, New Mexico, on the following described leases:

CASE 1413

Continued:

W. M. Snyder "B" Lease - Township 16 South, Range 36 East
Section 6: Lots 9, 10, 15, & 16
and SE/4

W. M. Snyder "C" Lease - Township 16 South, Range 36 East
Section 5: Lot 5
Section 6: Lots 1, 7, & 8

CASE 1414:

Application of The Texas Company for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its C. H. Weir "B" Well No. 1, located in the SE/4 NE/4 of Section 11, Township 20 South, Range 37 East, Lea County, New Mexico, in such a manner as to permit the production of oil from the Skaggs-Drinkard Pool and oil from an undesignated Glorieta oil pool through parallel strings of tubing.

CASE 1415:

Application of Phillips Petroleum Company for authority to effect an oil-oil dual completion and to commingle the production from two separate pools. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Santa Fe Well No. 18, located in the NW/4 NE/4 of Section 34, Township 17 South, Range 35 East, Lea County, New Mexico, in such a manner as to produce oil from the Yates formation adjacent to the Vacuum-Yates Pool and from the Vacuum (San Andres) Pool through parallel strings of tubing. Applicant further seeks authority to commingle the oil produced from the separate reservoirs in common storage after measuring the Yates oil through dump-type meters.

CASE 1416:

Application of Aztec Oil and Gas Company for a non-standard location. Applicant, in the above-styled cause, seeks an order authorizing a non-standard gas well location for its Culpepper-Martin Well No. 9, to be located 1850 feet from the North line and 1950 feet from the West line of Section 30, Township 32 North, Range 12 West, Blanco Mesaverde Pool, San Juan County, New Mexico.

CASE 1417:

Application of Sinclair Oil and Gas Company for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its A. M. York "B" Well No. 2, located in the NE/4 NE/4 Section 20, Township 21 South, Range 37 East, Lea County, New Mexico, to produce oil from the Tubb Gas Pool and from the Drinkard Oil Pool through parallel strings of tubing.

CASE 1418:

Application of Shell Oil Company for an exception to Rule 309 of the Commission Rules and Regulations. Applicant, in the above-styled cause, seeks an order authorizing the transportation, prior to measurement, of oil produced on its E. W. Mudge No. 4 Lease, comprising All of Sections 21, 28, 33, and 34, to its L. M. Phillips No. 2 Lease, comprising the S/2, NE/4, and Lots 1 and 2 of Section 4, N/2 Section 9, SW/4 and E/2 Section 10, All Section 15, N/2 and SE/4 Section 22, and W/2 Section 27,

-4-
Docket No. 10-58

Examiner Hearing April 9, 1958

CASE 1418

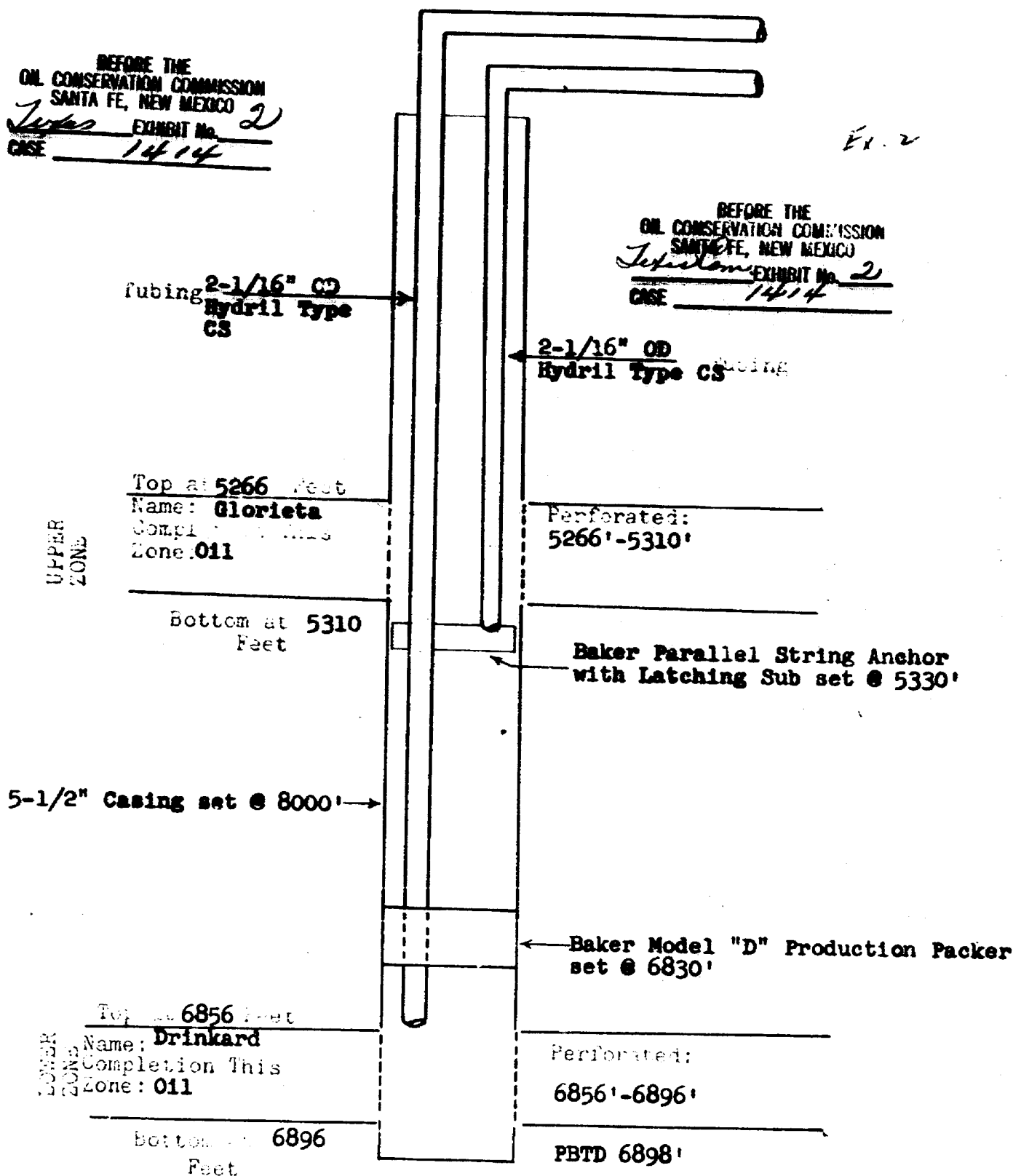
Continued: all in Township 25 North, Range 12 West, San Juan County,
New Mexico. Applicant further seeks authority to commingle
the production from each of said leases after separately
measuring said production by means of positive displacement
meters.

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DIAGRAMMATIC SECTION SHOWING BORE COMPLETION INSTALLATION
"Proposed"

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
Texas EXHIBIT No. 2
CASE 1414

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
Texas EXHIBIT No. 2
CASE 1414



COMPANY: The Texas Company
LEASE: C. H. Weir "B" Well No. 1
FIELD: Skaggs Drinkard and Undesignated Glorieta
DATE: 3-6-58

Location: SE/4 of the NE/4, Sec. 11, T-20-S, R-37-E,
Lea County, New Mexico

EXAMINER HEARING
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
April 9, 1958

IN THE MATTER OF: Case No. 1414

TRANSCRIPT OF PROCEEDINGS

DEARNLEY - MEIER & ASSOCIATES
INCORPORATED
GENERAL LAW REPORTERS
ALBUQUERQUE, NEW MEXICO
3-6691 5-9546

EXAMINER HEARING
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
April 9, 1958

IN THE MATTER OF:

Application of The Texas Company for an oil-oil
dual completion. Applicant, in the above-styled
cause, seeks an order authorizing the dual com-
pletion of its C. H. Weir "B" Well No. 1, located) Case 1414
in the SE/4 NE/4 of Section 11, Township 20)
South, Range 37 East, Lea County, New Mexico, in)
such a manner as to permit the production of oil)
from the Skaggs-Drinkard Pool and oil from an)
undesignated Glorieta oil pool through parallel)
strings of tubing.)

BEFORE: Elvis A. Utz, Examiner

TRANSCRIPT OF PROCEEDINGS

MR. UTZ: Let's take Case 1414.

MR. PAYNE: Case 1414: Application of The Texas Company
for an oil-oil dual completion.

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

MR. WADE: H. N. Wade appearing for The Texas Company.

MR. UTZ: Are there any other appearances? You may proceed.
(Witness sworn.)

H. N. WADE

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

DIRECT EXAMINATION

By MR. PAYNE:

Q Would you state your name and position?

A H. N. Wade, division proration engineer for The Texas Company, Fort Worth.

Q Are you generally familiar with the matters about which your application deals?

A Yes, sir.

Q Would you proceed, please?

A I would like to mark that as Exhibit No. 1. Exhibit No. 1 is a plat of the area in the vicinity of the C. H. Weir "B" Lease operated by The Texas Company, on which is located the C. H. Weir "B" No. 1, located 658 feet from the East line, 1984 feet from the North line, Section 11, Township 20 South, Range 37 East. The lease is comprised of 320 acres, being the East Half of the Section. The wells on the lease are designated by producing interval in the legend on the bottom of the page, and all offset acreage is shown with the producing intervals or producing pools of all of the wells on offset acreage.

The subject well was completed 9/28/53. It was drilled to an original total depth of 9671, plugged back to 6898 feet; initial potential was in the Drinkard, 132 barrels of oil, no water; gas-oil ratio of 795 in 12 hours. Casing was set, the long string of casing, 5-1/2 inch, 17 pound casing was set at 8,000 feet, cemented with 750 sacks, the cement circulated. The two zones which are requested for dualling here are the Drinkard, which will be producing from the Skaggs-Drinkard Pool, and the Glorieta from an undesignated pool. The most recent test on the Drinkard zone,

which is being produced at present is 20 barrels of oil, no water, gas-oil ratio 7560 in 7 hours on a flowing test. The tubing pressure on this test was 1100 psi. The allowable presently assigned the well is 17, penalized. It is anticipated that the remaining flowing life of this well is somewhat in excess of five years. The gravity of the crude produced is 33 degrees API, it is sweet. The bottom-hole pressure in December, '56, was 2497 psi; we do not have any pressure data in the immediate past, but we estimate, based on the declines that we have noted, that it would be approximately 2400 to 2450 psi at this time.

The Glorieta zone which we propose to open would be perforated from 5266 to 5310 feet. I would like to point out that our application is in error on that portion, in that it designates the Glorieta interval as being 5243 to 5350; the interval shown in the application is the total Glorieta formation and not the zone to be opened.

MR. UTZ: What was that correction?

A The application indicated that the interval to be opened in the Glorieta was 5243 to 5350, that is shown in paragraph "B". The interval actually to be opened is 5266 to 5310. The interval shown in the application is the total Glorieta zone. It is proposed to complete this interval by acidizing and fracturing; and a drill stem test of the Glorieta from 5250 to 5340 on the well recovered 2500 feet of free oil and 180 feet of drilling mud with no water during a two and one-half hour drill stem test. From this information

we anticipate that this will be a top allowable flowing well. The gravity on the drill stem test was indicated to be 416 degrees API, the drill stem test was taken June 17, 1953. The crude showed to be sweet; the pressure on the drill stem test was 1744 on a 15-minute build-up.

Exhibit 2, which has been marked, is self-explanatory, and I will not go into any detailed examination of it, only to say that the equipment to be used, essentially a Baker Model "D" Packer and a Baker parallel string anchor with latching sub, are standard equipment that is normally used in dual completions involving two strings. The only unusual feature, if it could be considered unusual, is the fact that we are proposing to use in this 5-1/2 inch 17 pound casing two strings of 2-1/16 inch OD Hydril Type CS tubing.

In order to assist the Commission somewhat in making a decision concerning this matter, I have determined that The Texas Company has operated a similarly equipped well with both zones pumping, which is located in South Gaines County, it being our J. B. Robertson Well No. 14. The upper zone is completed in the Flanagan-Upper Clear Fork field, with the depth to the pump being 6200 feet. A 1-1/4 inch insert pump is in use, 74 inch stroke, 13 strokes per minute. On a recent test this zone produced 111 barrels of oil, 30 barrels of water, with a gas-oil ratio of 245 to 1 in 24 hours. A pumping efficiency of 80.6 percent was calculated. This is considered to be a reasonably good efficiency. The lower

zone in this well is also pumping and is completed in the Flanagan-Clear Fork field. The pump for this zone is set at 6800 feet. On a recent test this zone produced 86 barrels of oil, 1 barrel of water, with a gas-oil ratio of 13 to 1. It has identical pumping equipment in it, the identical stroke and strokes per minute, as involved in the other zone. On this test, incidentally, the well pumped off. We are using three-quarters and five-eighths inch rods in pumping each zone, and incidentally, have had no difficulty at all in pumping these two zones in this manner. We estimate that if this dual completion is not allowed, it will be necessary for us to spend an additional \$65,000 to drill a single Glorieta well. It is quite doubtful that this expenditure would be made, in view of the fact that the Glorieta, to at least a certain extent, is an unknown quantity; and I feel sure that there will be serious thought given to certainly postponing any development of the Glorieta at this time.

I believe that that is all the information I have to submit.

MR. UTZ: Do you believe that this well can be pumped as efficiently as the well you used as an example in Gaines County?

A At least so, yes, sir.

MR. UTZ: Any other questions? Mr. Nutter.

CROSS EXAMINATION

By MR. NUTTER:

Q Are there any other Glorieta wells in this immediate neighborhood?

A No, sir, there aren't. This is not a portion of any Glorieta pool, that I was able to determine.

Q So you have no knowledge as to what to expect in the way of GOR's?

A No, I don't.

Q You don't have any bottom-hole pressures, except what you obtained on a drill stem test?

A That is correct.

Q 15-minute shut-in?

A Yes, sir, that's right.

Q Do you feel that there is sufficient gravity difference, however, to determine whether a leak should exist in the packer or not?

A Yes, sir, I think that probably you could detect it with gravity, and certainly with pressures, and the well will be so equipped.

Q You anticipate there will be a considerable difference in pressures?

A As indicated by the information we have, I think there will be a differential in pressure across the packer, yes, sir.

Q When you cemented your pipe in, Mr. Wade, the long string, how many sacks did you use?

A 750.

Q What was the top of the cement?

A It circulated.

Q It circulated?

A Yes, sir.

Q That well that you were talking about in Texas, which you said was an identical installation, has parallel strings of 2-1/16 inch?

A Exactly the same set-up as in this well.

Q What weight of 5-1/2 inch pipe was used in that well?

A 17 pound. It is exactly the same set-up, except it is completed a little bit deeper, both zones, than would be completed in the Weir "B" No. 1.

MR. UTZ: Any other questions?

By MR. PAYNE:

Q You have testified previously before this Commission, have you not?

A Yes.

MR. PAYNE: Let the record show that his testimony is being received as that of an expert.

MR. WADE: I would also like to move that the Exhibits 1 and 2 be introduced in evidence.

MR. UTZ: Any objection to the introduction of Exhibits 1 and 2? If not, they will be received. Any other statements in this case? If not, the case will be taken under advisement.

(Witness excused.)

* * * * *

C E R T I F I C A T E

STATE OF NEW MEXICO)
) ss
COUNTY OF BERNALILLO)

I, ADA DEARNLEY, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Proceedings before the New Mexico Oil Conservation Commission was reported by me in stenotype and reduced to typewritten transcript under my personal supervision, and that the same is a true and correct record to the best of my knowledge, skill and ability.

WITNESS my Hand and Seal this 3rd day of May, 1958, in the City of Albuquerque, County of Bernalillo, State of New Mexico.

Ada Dearnley
NOTARY PUBLIC

My commission expires:

June 19, 1959.

I do hereby certify that the foregoing is a copy of the transcript of the proceedings in the Hearing of Case No. 1-1-9, heard by me on April 9, 1958.
Shirley D. Meier, Examiner
New Mexico Oil Conservation Commission