

CASE 3074: Appli. of CONTINENTAL

OIL CO. for amendment of ORDER

NO. R-2385. (Water injection).

CASE NO.
3074

Application,
Transcripts,
Small Exhibits
ETC.

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
July 1, 1964

EXAMINER HEARING

IN THE MATTER OF:

Application of Continental Oil Company for
an amendment of Order No. R-2385, Eddy
County, New Mexico. Applicant, in the
above-styled cause, seeks the amendment
of Order No. R-2385 to substitute for
water injection purposes a well located in
Unit H of Section 9, Township 17 South,
Range 29 East, Eddy County, New Mexico,
for the presently authorized well in Unit
I of said Section 9.

Case No. 3074

BEFORE: Elvis A. Utz, Examiner

TRANSCRIPT OF HEARING

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1162

SANTA FE, N. M.
PHONE 983-3971

ALBUQUERQUE, N. M.
PHONE 243-6691



MR. UTZ: Case 3074.

MR. DURRETT: Application of Continental Oil Company for an amendment of Order No. R-2385, Eddy 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.)

MR. UTZ: Are there other appearances in this case? Proceed, Mr. Kellahin.

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

V. T. LYON

called as a witness, having been first duly sworn on oath, was examined and testified as follows:

DIRECT EXAMINATION

BY MR. KELLAHIN:

Q Would you state your name, please?

A V. T. Lyon.

Q By whom are you employed and in what position?

A Employed by Continental Oil Company as senior engineer located in the Hobbs District Office, Hobbs, New Mexico.

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

A Yes, sir.

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PHONE 243-6691



MR. KELLAHIN: Are the witness' qualifications acceptable?

MR. UTZ: Yes, sir, they are.

Q (By Mr. Kellahin) Are you familiar with the application of Continental Oil Company in Case 3074?

A Yes, sir.

Q Would you state briefly what's proposed by Continental in connection with this case?

A Case 3074 is the application of Continental Oil Company for authority to substitute Cave Pool Unit Well No. 45 as an injection well in place of Cave Pool Unit Well No. 46.

Q And the original authority to institute a waterflood in the Cave Pool Unit was authorized by Order No. R-2385 in Case 2703, was it not?

A Yes, sir.

Q Did that order make any provision for administrative approval for changing injection wells?

A Unfortunately, it did not.

MR. KELLAHIN: At this time we would like to ask the Examiner to take notice of the testimony in Case 2703 in so far as it pertains to this application.

MR. UTZ: We will so do.

Q (By Mr. Kellahin) Referring to what has been marked as Exhibit No. 1, would you identify that exhibit and discuss the information shown on it?

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A Yes, sir. Exhibit No. 1 is a location and ownership plat showing the boundaries of the Cave Pool Unit, the location and designation of the wells, the injection wells being shown by a triangle inscribed around the well; and the producing wells by the conventional producing well symbol.

Well No. 46, which is presently an injection well, is shown with a green circle, and proposed to be used hereafter as a producing well. Well No. 45, which is presently a producing well, is shown with a red triangle inscribed around it as an injection well.

Q Now referring to what has been marked as Exhibit No. 2, would you identify that exhibit and discuss the information shown on it?

A Exhibit No. 2 is a schematic diagram of Cave Pool Unit Well No. 45 showing the depth and size of casing, the amount of cement used in setting the casing, the perforated interval, and the amount of tubing, which is merely a stub used at the surface of the well.

Q Was this information submitted to the Office of the State Engineer, Mr. Lyon?

A Yes, sir, it was.

Q As far as you know, it has been approved by the State Engineer, is that correct?

A Yes, sir. We have a letter from the State Engineer



indicating his approval, subject to testing the well and the casing therein at a pressure of 2,000 pounds per square inch, and on the condition that injection pressure does not exceed 1500 pounds per square inch.

Q But the casing will be tested to 2,000 pounds, is that correct?

A Yes, sir.

Q Injection will be through the casing?

A Yes, sir.

Q Referring to what has been marked as Exhibit No. 3, would you identify that exhibit and discuss the information on it?

A Exhibit No. 3 is the well data sheet which on the left hand side has a copy of a portion of the gamma ray neutron log run on Cave Pool Unit Well No. 45. The top of the Premier sand is shown by the red line; the perforated interval is shown by the conventional symbol from 2420 to 2434.

On the right hand side of the exhibit is data concerning the initial completion, test data, casing, and other pertinent data in regard to the well.

Q Why does Continental desire to change injection wells at this time?

A Our original plan of operation was to make Well No. 46 an injection well for the purpose of recovering any recoverable oil



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in the thumb, or this projection of the Unit area lying between Well No. 46 and Well No. 45. Well No. 46 originally was a dry hole, but it was our opinion that there may be recoverable oil between there which could be recovered only by injection into Well No. 46.

Injection into the Cave Pool Unit began in October of 1963. The first water injection into Well No. 46 occurred in December of '63 and in the six-month period from December through May of 1964, we have succeeded in injecting a total of 959 barrels at a pressure as high as 1320 pounds into Well No. 46.

It has become obvious that further injection into the well will serve no purpose to the Unit. In our original plan, as soon as water breakthrough occurred in Well No. 45, we would then convert Well No. 45 to an injection well. As you can see on Exhibit No. 1, Well No. 45 conforms to the alternate well injection pattern with the rest of the Unit.

Since we have been unsuccessful in injecting satisfactory quantities of water into Well No. 46, we desire at this time to convert Well No. 45 into an injection well in conformance with the remainder of the injection pattern.

Q In other words, the Well No. 45 location conforms to the rest of the pattern in the Unit, is that what you are saying?

A Yes.

Q What do you intend to do then with Well No. 46?



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A Well No. 46 will be observed, and if there is any indication of oil accumulation in the well bore it will be put on production.

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

A Yes, sir.

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

MR. UTZ: Without objection, Exhibits 1, 2, and 3 will be entered into the record of this case.

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

MR. KELLAHIN: That's all I have on direct examination.

CROSS EXAMINATION

BY MR. UTZ:

Q Mr. Lyon, when was Well No. 45 completed?

A It was originally completed May 3rd, 1957.

Q Was that new casing, the seven-inch new casing at that time?

A I don't have that information available right here, but I can secure it for you. To my knowledge, it was new, but I'm not certain.

Q At any rate, it will be tested to 2,000 pounds?

A Yes, sir.



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Q Are the other injection wells in this Unit injecting through casing?

A Yes, sir, I believe all of them are.

Q The Well No. 45 is listed in Order R-2385 as at Site U-984, is that correct?

A I believe that's correct.

MR. UTZ: Are there any other questions of the witness?

BY MR. NUTTER:

Q The original order authorizing this project contains some provisions for testing the casing, or something of that nature, prior to putting the wells on?

A I believe that's correct.

Q Were all those wells tested in accordance with the provisions of that order?

A I'm not certain that they were. This information was given to our field personnel, and I have confidence that they did this, but I do not, of my own certain knowledge, know that they did.

Q If you don't know that, you don't know how the casing withstood the tests or whether any additional repairs were necessary to the casing?

A No, sir.

Q You are proposing on this well to test it to 2,000 pounds prior to putting it on injection?



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A Yes, sir.

Q I wonder if you could find out when you get home how these tests on these wells ran; that is, to let us know whether any casing failures occurred during the casing test program and what repairs were necessary, if any.

A Yes, sir, I can do that.

Q Has the State Engineer's Office agreed to the conversion of this well in this manner, as indicated on your Exhibit No. 2?

A Yes, sir. We have a letter here which I believe that the original copy went to the Conservation Commission. This is dated June 2nd, 1964, addressed to Mr. A. L. Porter, Jr., Secretary-Director of the Oil Conservation Commission, in Santa Fe.

Q And he agrees to the use of your Unit Well No. 45 for water injection by means of injection through the casing, is that correct?

A Well, we submitted copies of the exhibits which I've introduced today with our application to the State Engineer, and his statement in the letter says: "This office offers no objection to the granting of the application, provided that the injection pressure does not exceed 1500 psi; casing in all wells be tested to 2,000 psi before injection commences; and injection into all wells that will not withstand 2,000 psi be accomplished through tubing under a packer set well below the top of the cement surrounding casing."



MR. NUTTER: Thank you.

MR. DURRETT: Would you let him mark that letter and give us a copy for our file?

(Whereupon, Applicant's Exhibit No. 4 marked for identification.)

MR. KELLAHIN: We will at this time offer Exhibit No. 4, being a copy of the letter from the State Engineer.

MR. UTZ: I'll accept that for the record.

(Whereupon, Applicant's Exhibit No. 4 received in evidence.)

MR. UTZ: Mr. Durrett.

BY MR. DURRETT:

Q Mr. Lyon, I was wondering what the reason was that you couldn't come under Rule 701 under administrative procedures for this well. Was it because it hasn't received a response?

A There has been no response in this area.

Q That's the reason you had to come to a hearing, rather than an administrative procedure?

A We are not certain why it was necessary to have a hearing, except that the order did not specifically provide for additional wells or changing injection wells. The order numbered specifically those wells which were injection wells and provided no administrative procedure for substitutions or changes.

Q Along this same line of thought now, you don't contemplate this same problem occurring again where you have to change to



another well or put on an additional injection well where you couldn't come under Rule 701, do you?

A We do have a situation coming up in the near future where the Unit area is being expanded and this is to include 120 acres of General American's Green B Lease in Sections 5 and 7. Two of these wells will be injection wells, and since the original order did not provide authority for administrative approval, it apparently will be necessary to have hearings on those wells. If we could avoid that, I'd be very happy.

BY MR. NUTTER:

Q The No. 4 Well in Section 7, is it going to be included in the Unit later?

A Yes, sir.

Q Will it be an injection well?

A Yes, sir.

Q I presume the No. 7 Well in Section 5 will be an injection well?

A That's correct.

BY MR. DURRETT:

Q Would I be correct in stating this, that it would be your desire, if your Commission felt it was within the call of this hearing and advisable, to establish an administrative procedure as part of an amendment to this order, whereby you could convert additional wells to injection?



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PHONE 243-6691

A We would be very pleased if you would do this.
MR. DURRETT: That's all I have.
MR. UTZ: Any other questions? The witness may be

excused.

(Witness excused.)

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

* * *

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) ss

I, ADA DEARNLEY, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me; and that the same is a true and correct record of said proceedings to the best of my knowledge, skill and ability.

WITNESS my Hand and Seal this 8th day of July, 1964.

Ada Dearnley
NOTARY PUBLIC

My Commission Expires:
June 19, 1967.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 3074, heard by me on July 1, 1964.
Shirley A. Mc
Examiner
New Mexico Oil Conservation Commission



WELL DATA PLAT

WELL NAME & LOCATION

Cave Pool Unit No. 45

1980' FNL & 660' FEL,

Sec. 9-17-29

Eddy County, New Mexico

TD - 2443'

ELEV. 3572' GL

LATEST TEST

Date 3-30-64

OIL 1 BOPD

Water 0

Gas GOR 7500

Allowable 1 BPD

CP

TP

CHK. 1/2"

Gas GOR 1240

Water 0

OIL 384 BOPD

IP DATE 5-3-57

CASING RECORD

Size/Depth/No. Sx./C'mt. Top

10-3/4" 353' 100 sxs.

7" 2443' 100

1915

CUMULATIVE PRODUCTION

5-1-64: 24,666 bbls.

COMPLETION INTERVAL

Premier Sand

Perfs. 2420-34', w/ 4 SPF

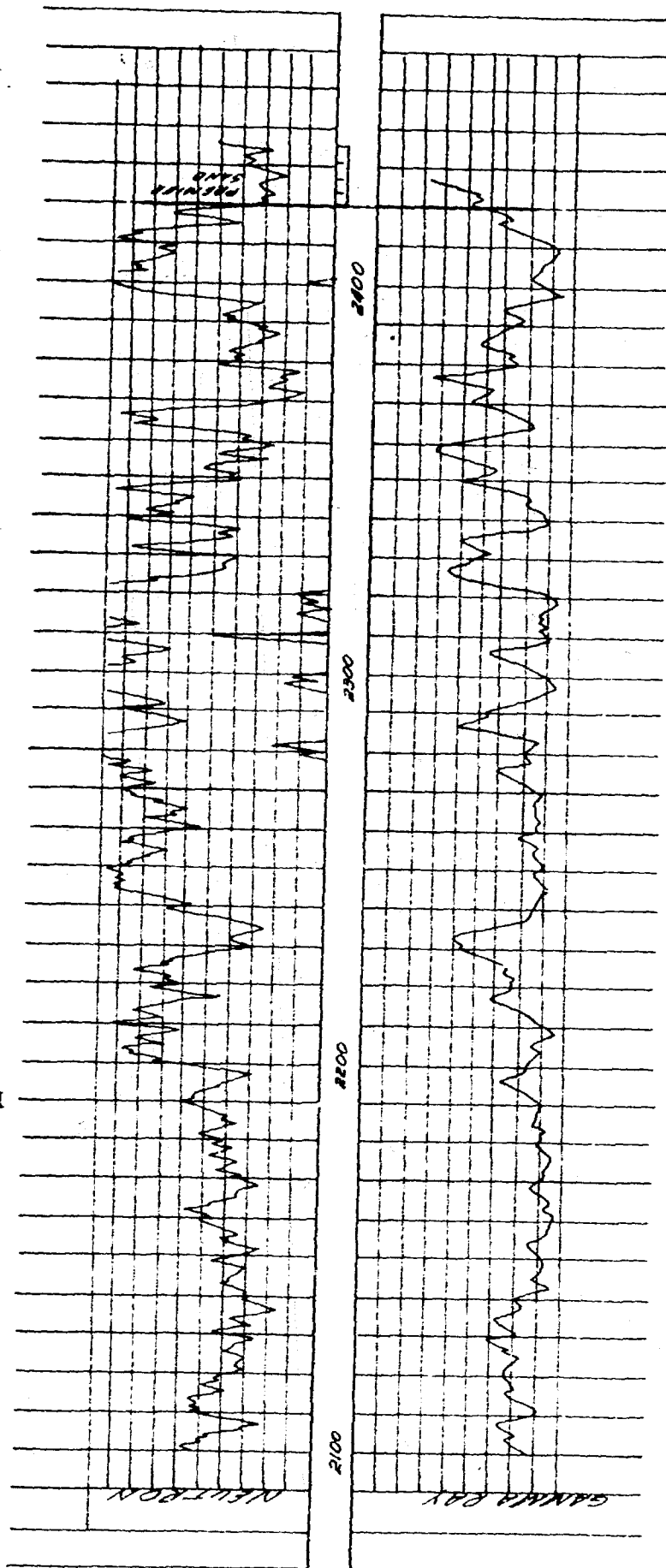
INITIAL TREATMENT

Frac w/20,000 gals. lease crude and 28,500# sand.

PAST REMEDIAL WORK

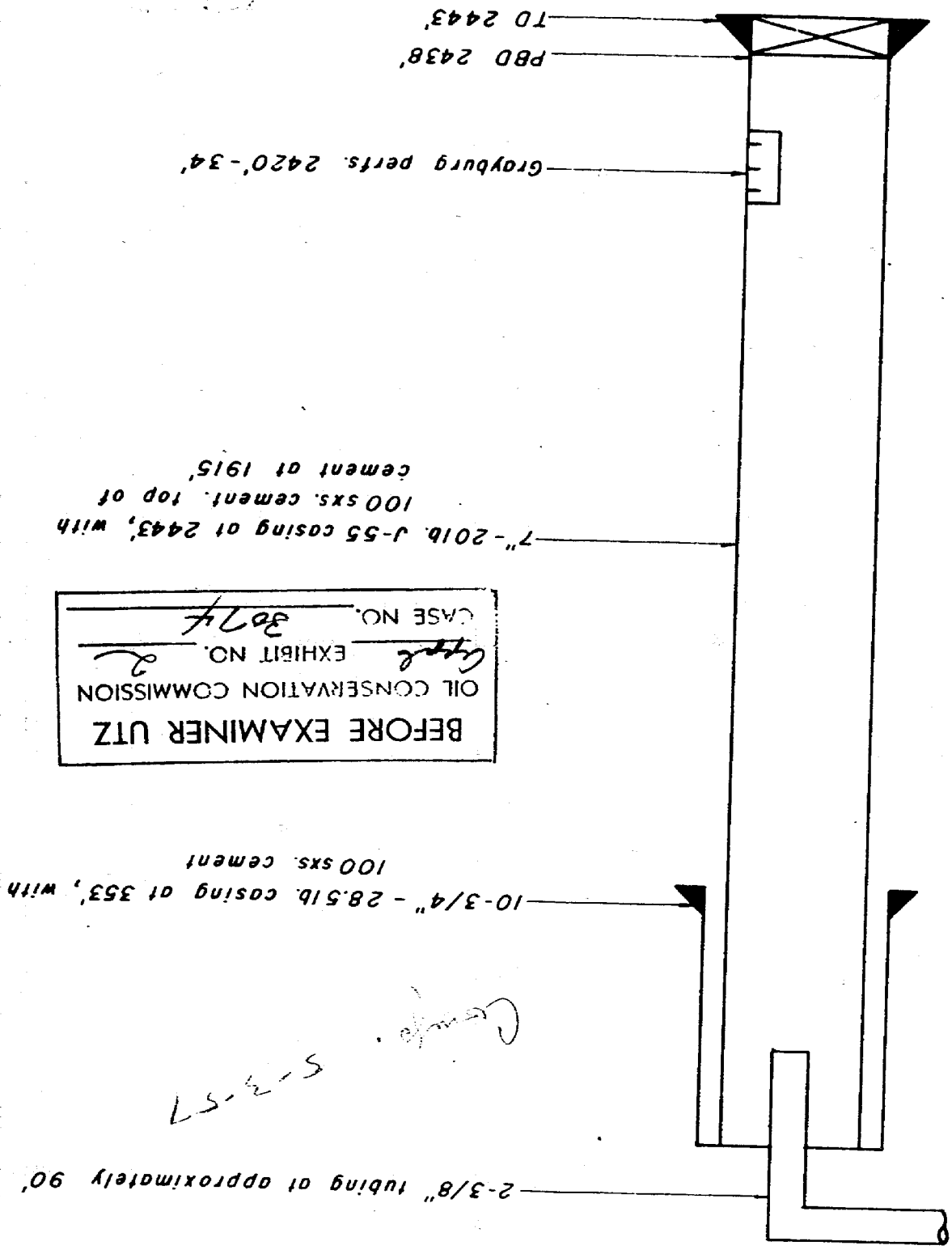
NONE

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
EXHIBIT NO. 3
CASE NO. 3074



CONTINENTAL OIL COMPANY
Cave Pool Unit No. 45

SCHEMATIC DIAGRAM
PROPOSED WATER INJECTION WELL



BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
EXHIBIT NO. *2*
CASE NO. *3074*

5-3-57
Cave

rim
SIC



CONTINENTAL OIL COMPANY

P. O. BOX 460
HOBBS, NEW MEXICO

May 26, 1964

PRODUCTION DEPARTMENT
HOBBS DISTRICT
A. B. SLAYBAUGH
DISTRICT MANAGER
G. C. JAMESON
ASSISTANT DISTRICT MANAGER

1001 NORTH TURNER
TELEPHONE: EX 3-4141

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

Attention of Mr. A. L. Porter, Jr., Secretary-Director

Gentlemen:

Re: Cave Pool Unit Waterflood Project

Your Order No. R-2384 approved the Cave Pool Unit Agreement covering certain lands in Eddy County, New Mexico. Order No. R-2385 approved the institution of a waterflood project in the Cave Pool Unit and designated twenty-six wells as water injection wells for use in the project.

Continental Oil Company, as operator of the Cave Pool Unit, now desires to interchange two wells, making one well presently a producer into an injection well, and vice versa. Cave Pool Unit Well No. 46 (formerly Continental Oil Company State U-9 Well No. 4), located in Unit I of Section 9, Township 17 South, Range 29 East, Eddy County, New Mexico, has been found to be incapable of receiving water in the desired quantities. It is proposed to return this well to a producing status.

Cave Pool Unit Well No. 45 is proposed to be converted from a producing well to water injection. This well is located in Unit H of the said Section 9.

DOCKET MAILED

Date 6-17-64

PIONEERING IN PETROLEUM PROGRESS SINCE 1875

New Mexico Oil Conservation Commission
Page 2

The attached plat, marked Exhibit No. 1, shows the Cave Pool Unit boundary and the location of the various wells, both producing and injection. Well No. 46 is shown by the green circle to be the proposed producing well, and No. 45 is shown by the red triangle as the proposed injection well. As can be seen, the proposed modification will make the injection pattern more uniform.

Exhibit No. 2, attached hereto, is a schematic diagram of the proposed injection well and shows the casing and tubing as it will be installed. Injection will be carried out by injecting into the casing after the casing has been tested to 2,000 pounds as required by Order No. R-2385.

Exhibit No. 3 is a well data plat which contains a portion of the Gamma Ray-Neutron log of the injection well and data on the completion and performance of the well.

In view of the facts stated above, it is respectfully requested that permission be granted to substitute Cave Pool Unit Well No. 45 as an injection well in place of Cave Pool Unit Well No. 46.

Yours very truly,

AB Slaybaugh

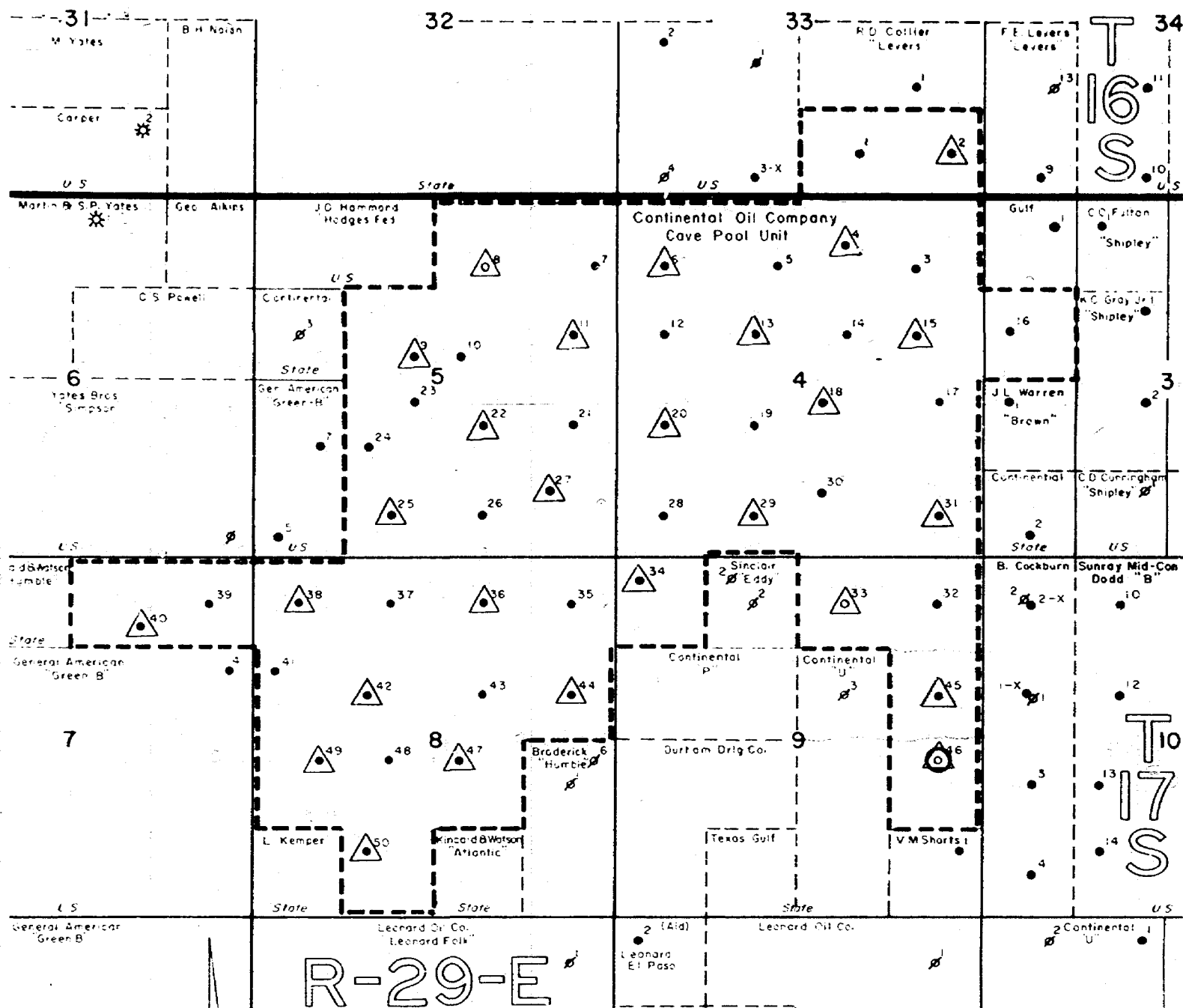
VTL-MLH

CC: RGP GW JWK

CC By Certified Mail:

State Engineer Office, P. O. Box 1079, Santa Fe, New Mexico

Encs.



CONTINENTAL OIL COMPANY

PRODUCTION DEPARTMENT

HOBBS DISTRICT

CAVE POOL UNIT WATERFLOOD
Eddy County, New Mexico

△ Proposed Injection Well

○ Proposed Producing Well

△ Water Injection Well

--- Cave Pool Unit Boundary

SCALE IN FEET
0 1000 2000

Exhibit No. 1

3674

CONTINENTAL OIL COMPANY

Cave Pool Unit No. 45

SCHEMATIC DIAGRAM
PROPOSED WATER INJECTION WELL

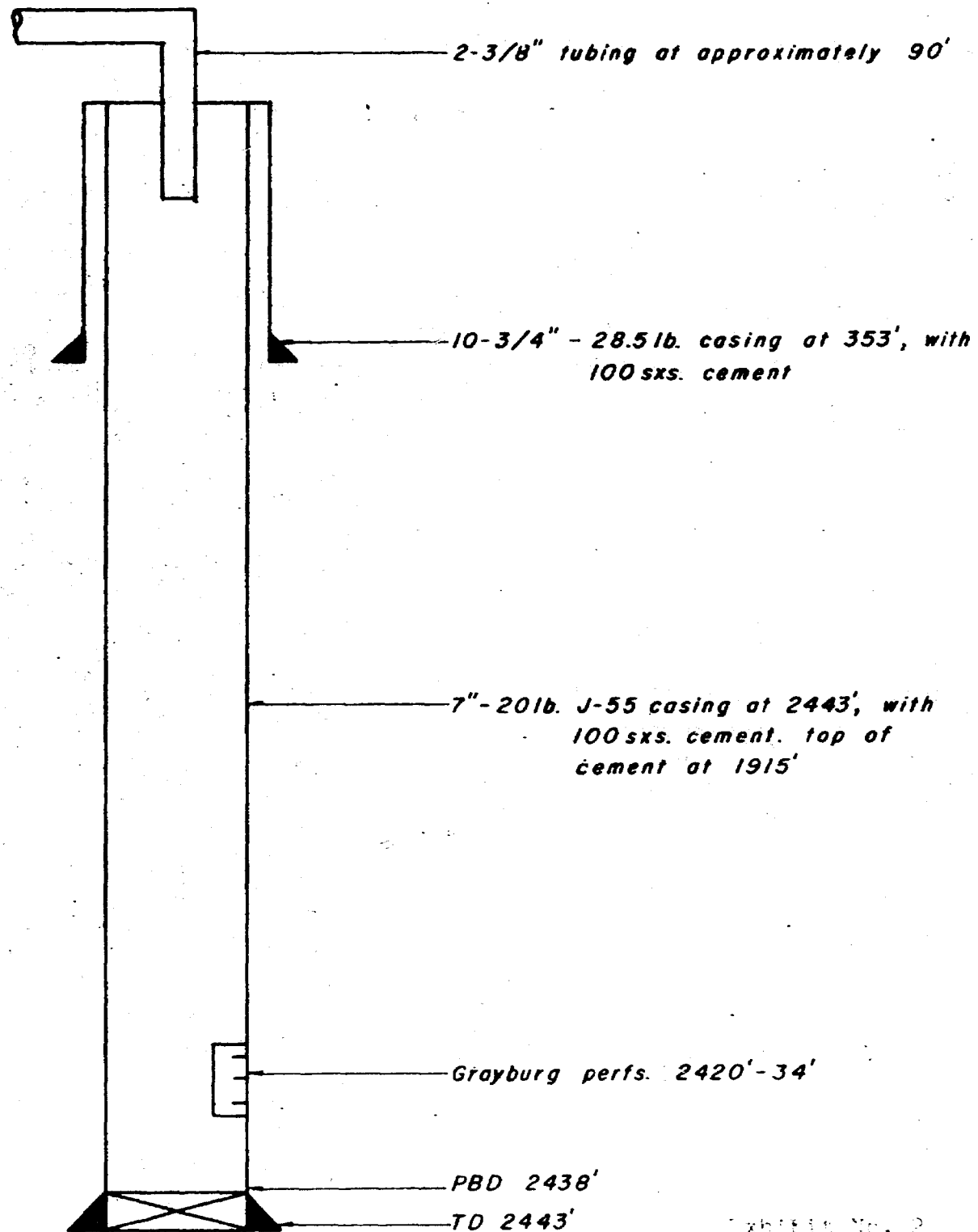


Exhibit No. 2

rfm

WELL DATA PLAT

WELL NAME & LOCATION

Cave Pool Unit No. 45
1980' FNL & 660' FEL,
Sec. 9-17-29
Eddy County, New Mexico
TD - 2443' ELEV. 3572' GL

IP DATE 5-3-57

OIL 384 BOPD

Water 0

Gas GOR 1240

CHK. 1/2"

TP

CP

LATEST TEST

Date 5-30-64

Oil 1 BOPD

Water 0

Gas GOR 7500

Allowable 1 BPD

CASING RECORD

Size/Depth/No. Sx./C'mt. Top
10-3/4" 353' 100 sxs.
7" 2443 100 1915

CUMULATIVE PRODUCTION

5-1-64: 24,666 bbls.

COMPLETION INTERVAL

Premier Sand

Perfs. 2420' 34', w/ 4 SPF

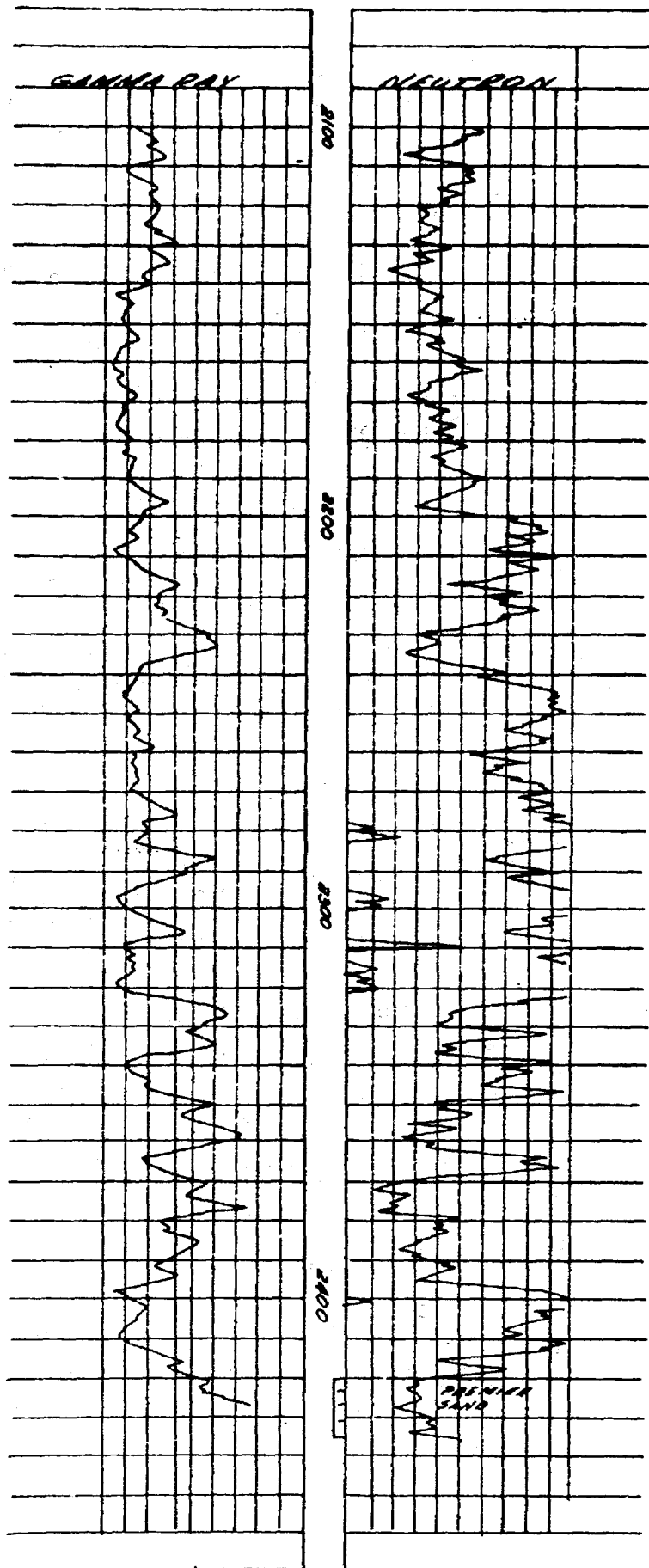
INITIAL TREATMENT

Frac w/20,000 gals. lease crude
and 28,500# sand.

PAST REMEDIAL WORK

NONE

EX-111 No. 1



Cave 3074

BEFORE EXAMINER UTZ	
OIL CONSERVATION COMMISSION	
Appd.	EXHIBIT NO. <u>7</u>
CASE NO.	<u>3704</u>

June 2, 1964



Mr. A. L. Porter, Jr.
Secretary-Director
Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico

Dear Mr. Porter:

Reference is made to the application of Continental Oil Company dated May 26, 1964 which seeks to interchange two wells in the Cave Pool by making well No. 46 a producing well and well No. 45 an injection well.

This office offers no objection to the granting of the application provided:

1. Injection pressure does not exceed 1500 psi;
2. Casing in all wells be tested to 2000 psi before injection commences;
3. Injection into all wells that will not withstand 2000 psi be accomplished through tubing under a packer set well below the top of the cement surrounding the casing.

Very truly yours,

S. E. Reynolds
State Engineer

By:

Frank E. Irby, Chief
Water Rights Division

cc: A. B. Slaybough

DOCKET: EXAMINER HEARING - WEDNESDAY - JULY 1, 1964

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, alternate examiner:

- CASE 3063: (Continued from June 10th Examiner Hearing)
Application of R. C. Davoust Company for a unit agreement, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Turkey Track Section 3 Unit Area comprising 480 acres of State land in Section 3, Township 19 South, Range 29 East, Eddy County, New Mexico.
- CASE 3064: (Continued from June 10th Examiner Hearing)
Application of R. C. Davoust Company for a waterflood expansion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the expansion of the Turkey Track Queen Waterflood Project in Section 34, Township 18 South, Range 29 East and Section 3, Township 19 South, Range 29 East, Turkey Track Field, Eddy County, New Mexico, to include the Grayburg formation.
- CASE 3070: Application of Nearburg & Ingram and Kincaid & Watson Drilling Company for a waterflood project, Eddy County, New Mexico. Applicants, in the above-styled cause, seek authority to institute a waterflood project in the Square Lake Pool by the injection of water into the Grayburg formation through three wells located in Section 6, Township 17 South, Range 30 East, Eddy County, New Mexico.
- CASE 3071: Application of Texas Pacific 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 J. P. Collier Well No. 1 located in Unit F of Section 10, Township 11 South, Range 33 East, Lea County, New Mexico, to produce oil from the North Bagley-Upper Pennsylvanian Pool and an undesignated Middle Pennsylvanian Pool through 2 1/16 inch tubing.
- CASE 3060: (Reopened)
Application of Frank Darden for a waterflood project, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in the Artesia Pool in his Cowtown Unit Area by the injection of water into the Grayburg and San Andres formations through two injection wells in Sections 13 and 24, Township 18 South, Range 28 East, Eddy County, New Mexico.
- CASE 3072: Application of Coastal States Gas Producing Company for the extension of a pool and for special temporary pool rules, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the extension of the Flying "M" San Andres Pool in Township 9 South, Range 33 East, Lea County, New Mexico, and temporary special rules therefor, including a provision for 80-acre well spacing and proration units.
- CASE 3073: Application of Texaco Inc., for the creation of a new oil pool and for special temporary pool rules, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new oil pool for Pennsylvanian production for its Navajo Tribal AL Well No. 1 located in Unit H of Section 28, Township 26 North, Range 18 West, San Juan County, New Mexico, and for the establishment of temporary pool rules including a provision for 160-acre spacing and a GOR limitation of

4000 to 1. Applicant further seeks the establishment of an administrative procedure whereby interference tests could be conducted and allowables transferred.

CASE 3074: Application of Continental Oil Company for an amendment of Order No. R-2385, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-2385 to substitute for water injection purposes a well located in Unit H of Section 9, Township 17 South, Range 29 East, Eddy County, New Mexico, for the presently authorized well in Unit I of said Section 9.

CASE 3075: Application of Marathon Oil Company for a special gas well test, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to produce and flare approximately 1000 MCF per day for a period of not less than three nor more than 30 days from Tom Brown Drilling Company's Antelope Sink Unit Well No. 1, located in Unit G of Section 18, Township 19 South, Range 24 East, Eddy County, New Mexico, in an effort to evaluate the reservoir.

CASE 3076: Application of Marathon Oil Company for a non-standard oil proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of an 80-acre non-standard proration unit comprising the SE/4 NW/4 and NE/4 SW/4 of Section 31, Township 17 South, Range 35 East, Vacuum-Upper Pennsylvanian Pool, Lea County, New Mexico, said unit to be dedicated to its State Warn A/1 Well No. 3, located in Unit F of said Section 31.

CASE 3038: (Reopened)
Application of Kennedy Oil Company for a waterflood project and for designation of a waterflood buffer zone, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in the Square Lake Pool by the injection of water into the Grayburg-San Andres formation through one well located in Unit 1, L of Section 20, Township 16 South, Range 31 East, Eddy County, New Mexico. Applicant further seeks the designation of the N/2 SW/4 of said Section 20 as a buffer zone offsetting Newmont Oil Company's Waterflood Project immediately south.

Case 3074

Heard 7-1-64

Rec. 7-1-64

1. Grant Continental authority ~~for~~
use their State U-9 # 4 Unit I sec 9
17 S-22 E as a production well + subse.
tute their Case Unit # 45 as an
injection Well. (The St. U-9 # 4
is now Case Unit # 46)

Shualb. W. F.
P. S. If necessary to give Admin.
approval for change in injection
wells or additional inject. wells.
put in order.

- E. O. D.



MAIN OFFICE OCC

1964 JUL 8 AM 7:41
CONTINENTAL OIL COMPANY

P. O. BOX 460
HOBBS, NEW MEXICO

1001 NORTH TURNER
TELEPHONE: EX 3-4141

PRODUCTION DEPARTMENT
HOBBS DISTRICT
JACK MARSHALL
DISTRICT MANAGER
G. C. JAMESON
ASSISTANT DISTRICT MANAGER

July 8, 1964

New Mexico Oil Conservation Commission
P. O. Box 2028
Santa Fe, New Mexico

Attention of Mr. A. L. Porter, Jr., Secretary-Director

Gentlemen: Re: Case 3074 - Cave Pool Unit

During the hearing on Case No. 3074, held July 1, 1964, you requested through our Mr. V. T. Lyon that Continental furnish certain data to your office. In accordance with your request we are enclosing verifax copies of well reports showing procedures utilized in converting 26 wells in the Cave Pool Unit to water injection.

Form C-103 covers the wells located on State leases and Form 9-331 covers those wells located on Federal leases. Each form contains the statement that the producing string was pressure tested as part of the normal conversion procedure. No casing repairs were necessary as all producing strings satisfactorily withstood the tests.

Please let us know if additional information will be required on these wells.

Yours very truly,

JM-DFW

Enc.

Form 4-321
(May 1953)

Copy to: *AMUC-121*

OPERATOR'S COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN THE
(Other instruct
reverse side)

MAIN OFFICE

Form approved
Budget Bureau No. 42-21424

SUNDY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different formation. Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> water injection well	2. NAME OF OPERATOR Continental Oil Company	3. ADDRESS OF OPERATOR Box 460, Hobbs, New Mexico	4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 660' FEL & 460' FEL, Sec. 33-163-29E, Eddy County, New Mexico N81W	5. LEASE DESIGNATION AND SERIAL NO. 1	6. IF IN PROGRESS, ALL OTHER WELL NAMES Cave Pool Unit	7. UNIT NAME Cave Pool Unit	8. NAME OF LEASE Cave Pool Unit	9. WELL NO. 2	10. FIELD AND POOL, OR WILDCAT Cave	11. SEC. T. R. M. OR B.L. AND SURVEY OR AREA Sec. 33-163-29E	12. COUNTY OR PARISH AND STATE Eddy N. M.
13. PERMIT NO.	15. ELEVATIONS (Show whether DT, RT, GR, etc.) 3606 DT										

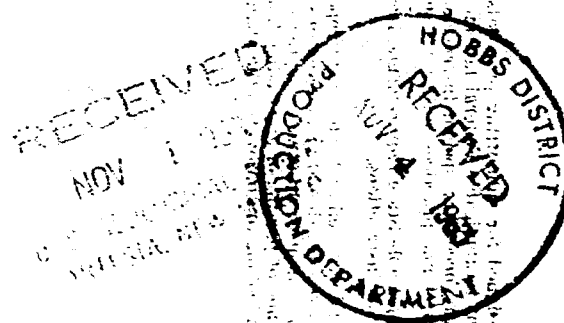
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) convert to water inj. <input checked="" type="checkbox"/>	

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This well was converted to a water injection well in conjunction with the Cave Pool Unit Waterflood. 8 5/8" casing is set at 343' and 5 1/2" casing is set at 2,455'. The rods and tubing were pulled and the casing was tested to 2,000# PSI for 30 minutes. Tested O.K. The well is now ready for water injection.



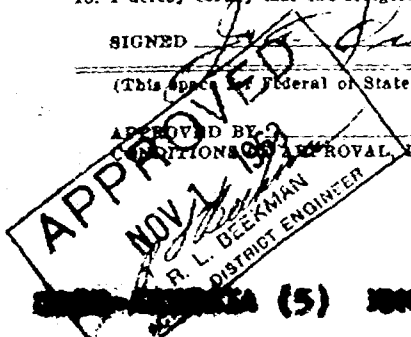
18. I hereby certify that the foregoing is true and correct

SIGNED *[Signature]* TITLE Asst. Dist. Supt. DATE 10-27-53

(This space for Federal or State office use)

APPROVED BY *[Signature]* TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



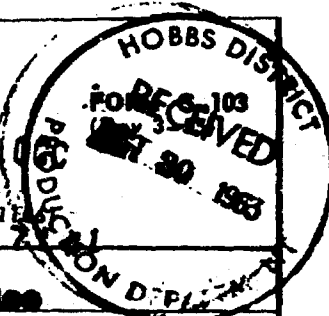
*See Instructions on Reverse Side

AMUC-121 (5) AMUC-ARRESTIA (2) AHS PARTNERS (11) FILE

COPIES RECEIVED	
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TO	BY
DATE	INITIALS
LAND OFFICE	
TRANSPORTATION	
PRODUCTION OFFICE	
OPERATOR	3 -

**NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS**

(Submit to appropriate District Office as per Commission Rule 11-1-1)



Name of Company Continental Oil Company				Address Box 460, Hobbs, New Mexico			
Lesse Cave Pool Unit	Well No. 4	Unit Letter B	Section 4	Township 17	Range 29		
Date Work Performed 10-29-63	Pool Cave			County Reddy			

THIS IS A REPORT OF: (Check appropriate block)

- | | | |
|--|---|--|
| <input type="checkbox"/> Beginning Drilling Operations | <input type="checkbox"/> Casing Test and Cement Job | <input checked="" type="checkbox"/> Other (Explain): |
| <input type="checkbox"/> Plugging | <input type="checkbox"/> Remedial Work | Convert to water injection |

Detailed account of work done, nature and quantity of materials used, and results obtained.

This well was converted to a water injection well in conjunction with the Cave Pool Unit waterflood. 7 5/8" casing is set at 718' and 4 1/2" casing is set at 2,435'. The tubing was pulled and the well was cleaned out to TD. The casing was tested to 2,000 PSI for 30 minutes and tested O.K. The well is now ready for water injection.

RECEIVED
OCT 29 1963
O. C. C.
ARTESIA, OFFICE

Witnessed by J. R. Cook	Position Sr. Prod. Foreman	Company Continental Oil Company
-----------------------------------	--------------------------------------	---

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

DF Elev.	TD	PBTD	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Oil String Diam	Oil String Depth	
Perforated Interval(s)				
Open Hole Interval		Producing Footage(s)		

RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production PD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION		I hereby certify that the information given above is true and complete to the best of my knowledge.
Approved by <i>M. L. Armstrong</i>	Name <i>[Signature]</i>	
Title OIL AND GAS INSPECTOR	Position Asst. District Superintendent	
Date OCT 29 1963	Company Continental Oil Company	

MINOS-ARTESIA (5) ALSO ALSO PARTNERS (11) 1 A

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

MAIN OFFICE OCC
NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS 41

FORM C-103
(Rev 3-55)

(Submit to appropriate District Office as per Commission Rule 1706)

Name of Company Continental Oil Company				Address Box 460, Hobbs, N. M.			
Lease Cave Pool Unit	Well No. 6	Unit Letter D	Section 4	Township 17S	Range 29E		
Date Performed 7-30-63	Pool Cave			County Eddy			

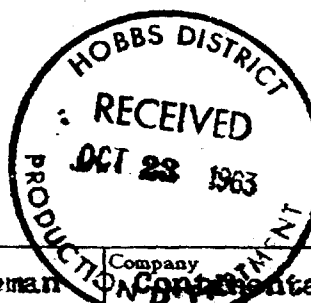
THIS IS A REPORT OF: (Check appropriate block)

- | | | |
|--|---|--|
| <input type="checkbox"/> Beginning Drilling Operations | <input type="checkbox"/> Casing Test and Cement Job | <input checked="" type="checkbox"/> Other (Explain): |
| <input type="checkbox"/> Plugging | <input type="checkbox"/> Remedial Work | Convert to water injection |

Detailed account of work done, nature and quantity of materials used, and results obtained.

This well was converted to a water injection well for use in the Cave Pool Unit Waterflood. 8 5/8" casing is set at 298' and 5 1/2" casing is set at 2427'. The 2 3/8" tubing was pulled and the well was cleaned out from 2400' to 2418'. The well is now ready for injection.

Tested casing to 2,000 PSI for 30 minutes on 7-30-63. Tested O. K.



RECEIVED

OCT 18 1963

O. C. C.
ARTESIA, OFFICE

Witnessed by J. R. Cook	Position Sr. Prod. Foreman	Company Continental Oil Company
-----------------------------------	--------------------------------------	---

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA					
D F Elev.	T D	P B T D	Producing Interval	Completion Date	
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth		
Perforated Interval(s)					
Open Hole Interval			Producing Formation(s)		

RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Well Potential MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION

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

Approved by <i>W. A. Gussert</i>	Name <i>John E. Fuller</i>
Title OIL AND GAS INSPECTOR	Position Asst. Dist. Superintendent
Date OCT 22 1963	Company Continental Oil Company

NOCC-ARTESIA (5) SLO ABC PARTNERS (11) FILE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Unit _____

1964 JUL 9 AM 7 41

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT: NOTICE OR OTHER DATA)

19

Well No. _____ is located _____ ft. from $\begin{Bmatrix} N \\ S \end{Bmatrix}$ line and _____ ft. from $\begin{Bmatrix} E \\ W \end{Bmatrix}$ line of sec. _____

6.4 of 1974, sec. 5

(1/2 Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

(Field)

(County or Subdivision)

(State or Territory)

The elevation of the derrick floor above sea level is _____ ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

[illegible]

The well is presently shut in pending the completion of the infill.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Continued on p. 43

Company _____

Ref: 150

Address _____

No. 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852,

By L. L. Hallen

Title _____

1000 11/24/54 15, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 85

<div style="border: 1px solid black; padding: 2px;"> <small>COPIES OF COPIES RECEIVED</small> <small>DISTRICT OFFICE</small> <small>FILE</small> <small>LAND OFFICE</small> <small>TRANSPORTED</small> <small>PRODUCTION OFFICE</small> <small>REVENUE</small> </div>		MAIN OFFICE 0000 OIL CONSERVATION COMMISSION MISCELLANEOUS REPORTS ON WELLS <small>(Submit to appropriate District Office as per Commission Rule 1106)</small>					FORM C-103 <small>(Rev 3-55)</small>
1963 JUL 9 AM 7:42							
Continental Oil Company		Box 460, Hobbs, New Mexico					
Cave Pool Unit		Well No. 9	Unit Letter P	Section 5	Township 17S	Range 29E	
7-31-63		Cave		County Eddy			
THIS IS A REPORT OF: (Check appropriate block)							
<input type="checkbox"/> Beginning Drilling Operations <input type="checkbox"/> Casing Test and Cement Job <input checked="" type="checkbox"/> Other (Explain): Convert to water injection <input type="checkbox"/> Plugging <input type="checkbox"/> Remedial Work							
Detailed account of work done, nature and quantity of materials used, and results obtained. This well was converted to a water injection well for use in the Cave Pool Unit Waterflood. 8 5/8" casing is set at 233' and 5 1/2" casing is set at 2345'. The 2 3/8" tubing was pulled and the well is now ready for injection. Tested casing to 2,000# PSI for 30 minutes on 7-31-63. Tested O, K.							
Witnessed by J. R. Cook		Continental Oil Company					
FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY							
ORIGINAL WELL DATA							
D F Elev.		T D		P B T D		Producing Interval	
Tubing Diameter		Tubing Depth		Oil String Diameter		Oil String Depth	
Perforated Interval(s)							
Open Hole Interval				Producing Formation(s)			
RESULTS OF WORKOVER							
Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD	
Before Workover							
After Workover							
OIL CONSERVATION COMMISSION				I hereby certify that the information given above is true and complete to the best of my knowledge.			
Approved by <i>W. R. Gressett</i>				Name <i>J. A. Strawn</i>			
Title OIL AND GAS INSPECTOR				Position Asst. Dist. Superintendent			
Date OCT 22 1963				Company Continental Oil Company			

000000 ARTESIA (5) SLO ARTESIA (11) FILE

<div>Number of Copies Received DISTRIBUTION 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100</div>		NEW MEXICO OIL CONSERVATION COMMISSION		FORM C-103 (Rev 3-55)	
MISCELLANEOUS REPORTS ON WELLS		(Submit to appropriate District Office as per Commission Rule 1106)			
Name of Company Continental Oil Company		Address Box 460, Hobbs, N. M.			
Well No. 11		Unit Letter H		Section 5	
Tongue 175		Tongue 175		Range 29E	
Date 8-28-63		Pool Cave		County Eddy	
THIS IS A REPORT OF: (Check appropriate block)					
<input type="checkbox"/> Beginning Drilling Operations		<input type="checkbox"/> Casing Test and Cement Job		<input checked="" type="checkbox"/> Other (Explain): Convert to water injection	
<input type="checkbox"/> Plugging		<input type="checkbox"/> Remedial Work			
Detailed account of work done, nature and quantity of materials used, and results obtained.					
<p>This well was converted to a water injection well in conjunction with the Cave Pool Unit Waterflood. 7 5/8" casing is set at 729' and 4 1/2" casing is set at 2489'. The rods and tubing were pulled and the well is now ready for injection.</p> <p>Tested casing to 2,000 PSI for 30 minutes on 8-28-63. Tested O.K.</p>					
<div>RECEIVED OCT 18 1963 O. C. C. ARTESIA, OFFICE</div>					
Witnessed by J. R. Cook		Position Dr. Fred Foreman		Company Continental Oil Company	
FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY					
ORIGINAL WELL DATA					
D F Elev.		TD		PBTB	
Producing Interval		Completion Date			
Tubing Diameter		Tubing Depth		Oil String Diameter	
Oil String Depth		Perforated Interval(s)			
Open Hole Interval		Producing Formation(s)			
RESULTS OF WORKOVER					
Test		Date of Test		Oil Production BPD	
Gas Production MCFPD		Water Production BPD		GOR Cubic feet/Bbl	
Gas Well Potential MCFPD		Before Workover			
After Workover					
OIL CONSERVATION COMMISSION					
Approved by W. A. Gressett		Name J. C. Green			
Title OIL AND GAS INSPECTOR		Position Asst. Dist. Superintendent			
Date OCT 22 1963		Company Continental Oil Company			
UNOCC-ARTESIA (5) SLO ABS PARTNERS		(11) FILE			

NUMBER OF COPIES RECEIVED	
DISTRICT	OFFICE
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10

NEW MEXICO OIL CONSERVATION COMMISSION
MAIN OFFICE OCC
MISCELLANEOUS REPORTS ON WELLS

FORM C-103
(Rev 3-55)

1964 Oct 18 Supplemental District Office as per Commission Rule 1106

Name of Company Continental Oil Company		Address Box 460, Hobbs, N. M.	
Lease Cave Pool Unit	Well No. 13	Unit Letter 5	Section 4
		Township 17S	Range 20E
Date 10-15-63	Well Cave	County Eddy	

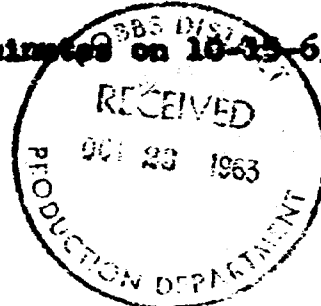
THIS IS A REPORT OF: (Check appropriate block)

- | | | |
|--|---|---|
| <input type="checkbox"/> Beginning Drilling Operations | <input type="checkbox"/> Casing Test and Cement Job | <input checked="" type="checkbox"/> Other (Specify) |
| <input type="checkbox"/> Plugging | <input type="checkbox"/> Remedial Work | Convert to Water Injection |

Detailed account of work done, nature and quantity of materials used, and results obtained.

This well was converted to a water injection well in conjunction with the Cave Pool Unit Waterflood. 6 5/8" casing is set at 290' and 5 1/2" casing is set at 2410'. The rods and tubing were pulled and the well was cleaned out to TD. The well is now ready for injection.

Tested casing to 2,000 PSI for 30 minutes on 10-15-63. Tested O.K.



RECEIVED
OCT 18 1963
D. C. C.
ARTESIA, OFFICE

Witnessed by J. R. Cook	Position SN. Prod. Foreman	Company Continental Oil Company
-----------------------------------	--------------------------------------	---

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA				
DF Elev.	TD	PSTD	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth	
Perforated Interval(s)				
Open Hole Interval		Producing Formation(s)		

RESULTS OF WORKOVER						
Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Well Potential MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION		I hereby certify that the information given above is true and complete to the best of my knowledge.	
Approved by <i>W. A. Gussett</i>	Name <i>J. C. Green</i>		
Title OIL AND GAS INSPECTOR	Position ASST. Dist. Superintendent		
Date OCT 22 1963	Company Continental Oil Company		

NOCC-ARTESIA (5) SLO ABS PARTNERS (11) FILE

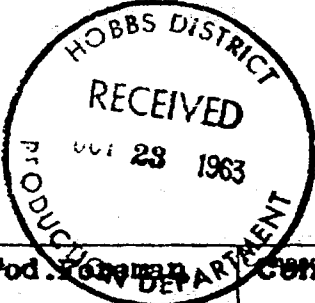
MAIN OFFICE 1963 OIL CONSERVATION COMMISSION MISCELLANEOUS REPORTS ON WELLS (Submit to appropriate District Office as per Commission Rule 1106)		<div style="border: 2px solid black; border-radius: 50%; padding: 10px; display: inline-block;"> HOBBBS DISTRICT RECEIVED SECTION DEPARTMENT </div>
Name of Company Continental Oil Company		Address Box 460, Hobbs, New Mexico
Lease Cave Pool Unit	Well No. 28	Unit Letter X
Date Work Performed 10-23-63	Pool Cave	Section Township Range 4 27 29
THIS IS A REPORT OF: (Check appropriate block)		
<input type="checkbox"/> Beginning Drilling Operations <input type="checkbox"/> Casing Test and Cement Job <input checked="" type="checkbox"/> Other (Explain): Convert to water injection		
<input type="checkbox"/> Plugging <input type="checkbox"/> Remedial Work		
Detailed account of work done, nature and quantity of materials used, and results obtained.		
<p> This well was converted to a water injection well in conjunction with the Cave Pool Unit Waterflood. 7" casing is set at 726' and 4 1/2" casing is set at 2429'. The tubing was pulled, the well was checked for fill and the tubing was tested to 2,000 PSI for 30 minutes on 10-23-63. Tested O.K. The well is now ready for water injection. </p>		
<div style="border: 1px solid black; padding: 5px; transform: rotate(-15deg);"> RECEIVED OCT 25 1963 D. C. C. ARTEBIA OFFICE </div>		
Witnessed by J. R. Cook	Position Dr. Prod. Foreman	Company Continental Oil Company
FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY		
ORIGINAL WELL DATA		
D F Elev.	T D	P B T D
Producing Interval	Completion Date	
Tubing Diameter	Tubing Depth	Oil Spring Diameter
Oil Spring Depth		Perforated Interval(s)
Open Hole Interval		Producing Formation(s)
RESULTS OF WORKOVER		
Test	Date of Test	Oil Production BPD
Before Workover		
After Workover		
Gas Production MCFPD		Water Production BPD
GOR Cubic feet/Bbl		Gas Well Potential MCFPD
I hereby certify that the information given above is true and complete to the best of my knowledge.		OIL CONSERVATION COMMISSION
Approved by <i>M. L. Armstrong</i>		Name <i>John Blum</i>
Title OIL AND GAS INSPECTOR		Position Asst. Dist. Superintendent
Date OCT 25 1963		Company Continental Oil Company

HOBBBS (3)-ARTEBIA 210 ARE PARTNERS (11) FILE

NEW MEXICO OIL CONSERVATION COMMISSION						FORM C-103 (55)
MISCELLANEOUS REPORTS ON WELLS						HOBBBS DISTRICT
MAIN OFFICE USE						RECEIVED
(Submit to appropriate District Office as per Commission Rule 114)						OCT 28 1963
Name of Company Continental Oil Company		Date 1964 JUL 9 AM 7:42		Address Box 460, Hobbs, N.M.		
Lease Cave Pool Unit	Well No. 18	Unit Letter J	Section 4	Township 17S	Range 29E	
Date Work Performed 10-22-63	Pool Cave			County Eddy		
THIS IS A REPORT OF: (Check appropriate block)						
<input type="checkbox"/> Beginning Drilling Operations		<input type="checkbox"/> Casing Test and Cement Job		<input checked="" type="checkbox"/> Other (Explain):		
<input type="checkbox"/> Plugging		<input type="checkbox"/> Remedial Work		convert to water injection		
Detailed account of work done, nature and quantity of materials used, and results obtained.						
<p>This well was converted to a water injection well in conjunction with the Cave Pool Unit Waterflood. The casing and cementing program remain unchanged. The rods and tubing were pulled and the well was cleaned out to TD. The casing was tested w/2,000 PSI for 30 minutes on 10-22-63. Tested O.K. The well is now ready for injection.</p>						
<p>RECEIVED OCT 25 1963 O. C. C. ARTESIA OFFICE</p>						
Witnessed by J. R. Cook		Position Sr. Prod. Foreman		Company Continental Oil Company		
FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY						
ORIGINAL WELL DATA						
D F Elev.	T D	P B T D	Producing Interval	Completion Date		
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth			
Perforated Interval(s)						
Open Hole Interval			Producing Formation(s)			
RESULTS OF WORKOVER						
Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						
OIL CONSERVATION COMMISSION				I hereby certify that the information given above is true and complete to the best of my knowledge.		
Approved by <i>[Signature]</i>				Name <i>[Signature]</i>		
Title OIL AND GAS INSPECTOR				Position Asst. Dist. Superintendent		
Date OCT 25 1963				Company Continental Oil Company		

MMOC (5)-ARTESIA SLO ABS PARTNERS (11) FILE

NEW MEXICO OIL CONSERVATION COMMISSION						FORM C-103 (Rev 3-55)
MISCELLANEOUS REPORTS ON WELLS						
(Submit to appropriate District Office as per Commission Rule 1106)						
<div style="float: left; width: 20%;"> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> <div style="display: flex; justify-content: space-between;"> <div> <div>Oil Conservation Commission</div> <div>Form C-103</div> </div> <div> <div>Rev 3-55</div> </div> </div> <div style="border: 1px solid black; padding: 2px;"> <div> <div>Oil Conservation Commission</div> <div>Form C-103</div> </div> <div> <div>Rev 3-55</div> </div> </div> </div> </div>			<div style="float: right; width: 20%;"> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> <div style="display: flex; justify-content: space-between;"> <div> <div>Oil Conservation Commission</div> <div>Form C-103</div> </div> <div> <div>Rev 3-55</div> </div> </div> <div style="border: 1px solid black; padding: 2px;"> <div> <div>Oil Conservation Commission</div> <div>Form C-103</div> </div> <div> <div>Rev 3-55</div> </div> </div> </div> </div>			
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<div style="display: flex; justify-content: space-between;"> <div> MAIN OFFICE OCC NEW MEXICO OIL CONSERVATION COMMISSION MISCELLANEOUS REPORTS ON WELLS <small>(Submit to appropriate District Office as per Commission Rule 1706)</small> </div> <div style="text-align: right;"> FORM C-100 <small>(Rev 2-59)</small> </div> </div>						
Continental Oil Company				Adm 460, Hobbs, N. M.		
Cave Pool Unit		Well No. 22	Unit Letter J	Section 5	Township 17S	Range 23E
Operation performed		Pool Cave		County Eddy		
THIS IS A REPORT OF: (Check appropriate block)						
<input type="checkbox"/> Beginning Drilling Operations		<input type="checkbox"/> Casing Test and Cement Job		<input checked="" type="checkbox"/> Other (Explain) Convert to water injection		
<input type="checkbox"/> Plugging		<input type="checkbox"/> Remedial Work				
Detailed account of work done, nature and quantity of materials used, and results obtained.						
<p>This well was converted to a water injection well in conjunction with the Cave Pool Unit waterflood. 7 5/8" casing is set at 702' and 4 1/2" casing is set at 2449'. The rods and tubing were pulled and the well was cleaned out to 2388'. The well is now ready for injection.</p> <p>Tested casing to 2,000' PSI for 30 minutes on 8-30-63. Tested O. I.</p>						
				RECEIVED OCT 18 1963 O. C. C. ARTESIA, OFFICE		
Witnessed by J. R. Cook		Position Sr. Prod. Foreman Continental Oil Company				
FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY						
ORIGINAL WELL DATA						
D F Elev.		T D		P B T D		Producing Interval
Completion Date		Tubing Diameter		Tubing Depth		Oil String Diameter
Oil String Depth		Perforated Interval(s)				
Open Hole Interval				Producing Formation(s)		
RESULTS OF WORKOVER						
Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Potential MCFPD
Before Workover						
After Workover						
OIL CONSERVATION COMMISSION				I hereby certify that the information given above is true and complete to the best of my knowledge.		
Approved by <i>W. A. Lussert</i>				Name <i>John L. Lussert</i>		
Title OIL AND GAS INSPECTOR				Position Asst. Dist. Superintendent		
Date OCT 22 1963				Continental Oil Company		
NOOC-ARTESIA (5) SIO ABS PARTNERS (11) FILE						

NEW MEXICO OIL CONSERVATION COMMISSION									
MISCELLANEOUS REPORTS ON WELLS									
(Submit to appropriate District Office as per Commission Regulation 106)									
Name of Company		1964 JUL 9 AM 7:42		Address		Well No.		Unit Letter	
Continental Oil Company						25		X	
Date Well Performed		Pool		Section		Township		County	
12-5-63		Cave		5		17S		Baker	
<input type="checkbox"/> Beginning Drilling Operations <input type="checkbox"/> Plugging <input type="checkbox"/> Casing Test and Cement Job <input type="checkbox"/> Remedial Work <input checked="" type="checkbox"/> Other (Explain): Convert to water injection									
Detailed account of work done, nature and quantity of materials used, and results obtained. <p>This well was converted to a water injection well in conjunction with the Cave Pool Unit. A 2 1/8" casing is set at 230' and the casing is set at 235'. The rods and tubing were pulled, the well was cleaned out to TD and the casing was tested to 2,000 PSI for 30 minutes. Tested O.K. The well is now ready for water injection.</p>									
<div style="text-align: right;"> RECEIVED NOV 13 1963 O. C. C. ARTERIA. OFFICE </div>									
Witnessed by		Position		Company		FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY			
J. R. Cook		Dr. Paul Foreman		Continental Oil Company		ORIGINAL WELL DATA			
D F Elev.		T D		P B T D		Producing Interval		Completion Date	
Tubing Diameter		Tubing Depth		Oil String Diameter		Producing Interval		Completion Date	
Perforated Interval(s)		Open Hole Interval		Producing Formation(s)		Oil String Depth			
RESULTS OF WORKOVER									
Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD			
Before Workover									
After Workover									
OIL CONSERVATION COMMISSION					I hereby certify that the information given above is true and complete to the best of my knowledge.				
Approved by					Name				
M. L. Armstrong					B. C. Jensen				
Title					Position				
OIL AND GAS INSPECTOR					District Superintendent				
Date					Company				
NOV 13 1963					Continental Oil Company				

Check of work received	
DATE	7
NAME	
ADDRESS	
PHONE	
DATE	3
NAME	
ADDRESS	
PHONE	

NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103
(Rev 3-55)

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

Name of Company Continental Oil Company		Address Box 460, Hobbs, N. M.	
Lease Cave Pool Unit	Well No. 27	Unit Letter P	Section 5
		Township 17S	Range 29E
Date Work Performed 8-27-63	Pool Cave	County Eddy	

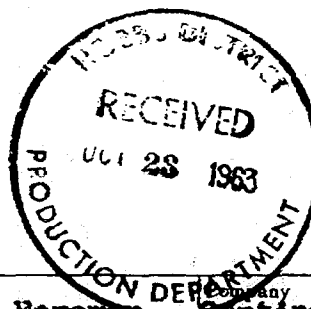
THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations
 ☐ Casing Test and Cement Job
 ☒ Other (Explain): **Convert to water injection**
- ☐ Plugging
 ☐ Remedial Work

Detailed account of work done, nature and quantity of materials used, and results obtained.

This well was converted to a water injection well in conjunction with the Cave Pool Unit Waterflood. 8 5/8" casing is set at 261' and 5 1/2" casing is set at 2346'. The rods and tubing were pulled, and the well was cleaned out to TD. The well is now ready for injection.

Tested casing to 2,000 PSI for 30 minutes on 8-27-63. Tested O.K.



RECEIVED
OCT 18 1963
O. C. C.
ARTESIA, OFFICE

Witnessed by J. R. Cook	Position Sr. Prod. Foreman	Company Continental Oil Company
-----------------------------------	--------------------------------------	---

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

D F Elev.	T D	P B T D	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth	
Perforated Interval(s)				
Open Hole Interval		Producing Formation(s)		

RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						

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

OIL CONSERVATION COMMISSION		Name J. A. Jones	
Approved by W. A. Gressett		Position Asst. Dist. Superintendent	
Title OIL AND GAS INSPECTOR		Company Continental Oil Company	
Date OCT 22 1963			

INDEXED ARTESIA (5) OLO ABC PARTNERS (11) FILE

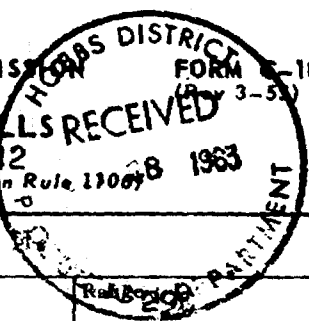
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td colspan="2">NUMBER OF COPIES RECEIVED</td></tr> <tr><td>STATE</td><td>1</td></tr> <tr><td>FED.</td><td>1</td></tr> <tr><td>U.S.A.R.</td><td></td></tr> <tr><td>LAND OFFICE</td><td></td></tr> <tr><td>INSTRUMENT</td><td></td></tr> <tr><td>PRODUCTION OFFICE</td><td></td></tr> <tr><td>OPERATION</td><td>3</td></tr> </table>		NUMBER OF COPIES RECEIVED		STATE	1	FED.	1	U.S.A.R.		LAND OFFICE		INSTRUMENT		PRODUCTION OFFICE		OPERATION	3	NEW MEXICO OIL CONSERVATION COMMISSION MISCELLANEOUS REPORTS ON WELLS <small>(Submit to appropriate District Office as per Commission Rule 1106)</small>																																																																						FORM C-103 <small>(Rev 3-55)</small>																															
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<p>This well was converted to a water injection well in conjunction with the Cave Pool Unit Waterflood. 8 5/8" casing is set at 385' and 5 1/2" casing is set at 2407'. The rods and tubing were pulled and the well is now ready for injection.</p> <p>Tested casing to 2,000 PSI for 30 minutes on 10-15-63.</p>																																																																																																																							
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 2px solid black; border-radius: 50%; padding: 10px; text-align: center;"> HOBBS DISTRICT RECEIVED OCT 23 1963 PRODUCTION DEPARTMENT </div> <div style="text-align: right;"> RECEIVED OCT 18 1963 E. C. C. ARTESIA, OFFICE </div> </div>																																																																																																																							
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NEW MEXICO OIL CONSERVATION COMMISSION

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1700)



Name **Continental Oil Company**

Address **Box 460, Hobbs, N. M.**

Lease **Cave Pool Unit**

Well No. **52**

Unit Letter **1**

Section **1**

Township **17S**

Range **22E**

Date **10-18-63**

Pool **Cave**

County **Deer**

THIS IS A REPORT OF: (Check appropriate block)

☐ Beginning Drilling Operations

☐ Casing Test and Cement Job

☒ Other (Explain):

convert to water injection

☐ Plugging

☐ Remedial Work

Detailed account of work done, nature and quantity of materials used, and results obtained.

This well has been converted to a water injection well in conjunction with the Cave Pool Unit waterflood. The casing and cementing program remain unchanged. The tubing was pulled and the well was cleaned out to TD. The casing was tested w/2,000 PSI for 30 minutes on 10-18-63. Tested O.K. The well is now ready for injection.

RECEIVED

OCT 25 1963

D. C. G.
ARTESIA OFFICE

Witnessed **E. R. Cook**

Position **General Manager**

Company **Continental Oil Company**

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

DF Elev.	TD	PBTD	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth	
Perforated Interval(s)				
Open Hole Interval		Producing Formation(s)		

RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION

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

Approved by

M. L. Armstrong

Name

J. A. Green

Title

OIL AND GAS INSPECTOR

Position

Asst. Dist. Superintendent

Date

OCT 25 1963

Company

Continental Oil Company

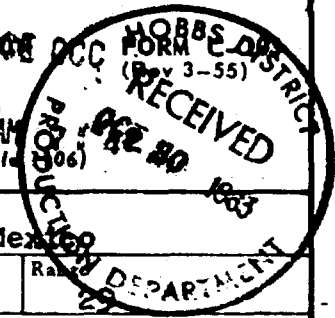
MOCC-ARTESIA (5) SLO-ABS PARTNERS (11) FILE

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OPERATION OFFICE	
OPERATOR	3

NEW MEXICO OIL CONSERVATION COMMISSION

MISCELLANEOUS REPORTS ON WELLS

(Submit to District Office as per Commission Rule 806)



Name of Company Continental Oil Company		Address Box 460, Hobbs, New Mexico	
Lease Cave Pool Unit	Well No. 33	Unit Letter B	Section 2
Date Work Performed 10-17-63	Pool Cave	Township 17	County Eddy

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations
 ☐ Casing Test and Cement Job
 ☒ Other (Explain): **Convert to water injection**
☐ Plugging
 ☐ Remedial Work

Detailed account of work done, nature and quantity of materials used, and results obtained.

This well has been converted to a water injection well in conjunction with the Cave Pool Unit Waterflood. 7 5/8" casing is set at 683' and 4 1/2" casing is set at 2489'. The tubing was pulled and the well was cleaned out to TD. The well is now ready for injection.

The casing was tested to 2,000# PSI for 30 minutes on 10-17-63. Tested O.K.

RECEIVED

OCT 29 1963

D. C. C.
ARTESIA OFFICE

Witnessed by J. E. Cook	Position Supv. Foreman	Company Continental Oil Company
-----------------------------------	----------------------------------	---

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

D F Elev.	T D	P B T D	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth	
Perforated Interval(s)				
Open Hole Interval		Producing Formation(s)		

RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION		I hereby certify that the information given above is true and complete to the best of my knowledge.	
Approved by <i>ML Armstrong</i>	Name <i>J. E. Cook</i>		
Title OIL AND GAS INSPECTOR	Position Asst. Dist. Superintendent		
Date OCT 29 1963	Company Continental Oil Company		

MOCC (5) 380 ABS PARTNERS (11) F11

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	GAS	
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NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103
(Rev 3-55)

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office under Commission Rule 1106)

Name of Company **Continental Oil Company** Address **Box 460, Hobbs, New Mexico**

Lease **Cave Pool Unit** Well No. **34** Unit Letter **J** Section **9** Township **17S** Range **29E**

Date Work Performed **9-2-63** Pool **Cave** County **Chavez**

THIS IS A REPORT OF: ☒ Initial work ☐ Remedial work

- ☐ Beginning Drilling Operations ☐ Casing Test and Cement Job ☐ Other (Specify) ☐ Plugging ☐ Remedial Work ☒ Water Injection

Detailed account of work done, nature and quantity of materials used, and results:

This well was converted to a water injection well in conjunction with the Cave Pool Unit. 3 1/2" casing is set at 2417' and 7" casing is set at 2370'. The well is now ready for operation.

Tested casing to 2,000# PSI for 30 minutes on 9-2-63. Tested 2 K.

RECEIVED
OCT 18 1963
D. C. C.
ARTESIA, OFFICE

Witnessed by **J. H. Cook** Company **Continental Oil Company**

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY ORIGINAL WELL DATA

D F Elev.	TD	DETD	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Casing Diameter	Oil Test Depth	
Perforated Interval(s)				
Open Hole Interval		Producing Formation(s)		

RECEIVED
OCT 22 1963

D. C. C.
ARTESIA, OFFICE

RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION

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

Approved by **W. A. Gressitt**

Name **W. A. Gressitt**

Title **OIL AND GAS INSPECTOR**

Position **Asst. Dist. Superintendent**

Date **OCT 22 1963**

Company **Continental Oil Company**

NMOCC-ARTESIA (5) SLD A&S PATRONS (12) FILE

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NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103
(Rev 3-55)

MISCELLANEOUS REPORTS ON WELLS

1964 JUL 9 AM 7:42

(Submit to appropriate District Office as per Commission Rule 1106)

Name of Company Continental Oil Company		Address Box 149, Hobbs, New Mexico	
Lease Cave Pool Unit	Well No. 1	Well Letter 1	Range 29
Date Work Performed 9-3-63	Pool 1		
<input type="checkbox"/> Beginning Drilling Operations <input type="checkbox"/> Casing Test and Cement Job <input type="checkbox"/> Other (Specify) _____ <input type="checkbox"/> Plugging <input type="checkbox"/> Removal Work <input type="checkbox"/> Cement for Water Injection			
Detailed account of work done, nature and quantity of materials used and results obtained: This well was completed in the Cave Pool Unit, Hobbs, New Mexico. The well is set at 2100' and is ready for production. Tested casing to 2,000 PSI for 30 minutes on 9-3-63. Tested O. K.			
Witnessed by J. R. Gould			
FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY ORIGINAL WELL DATA			
D F Elev.	T D	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Tubing Depth	Oil Surface Depth
Perforated Interval(s)		Producing Interval(s)	
Open Hole Interval		Producing Interval(s)	
RESULTS OF WORKOVER			
Test	Date of Test	Oil Production BPD	Gas Production MCFPD
Before Workover			
After Workover			
Oil Production BPD		Gas Production MCFPD	Water Production BPD
GOR Cubic feet/Bbl		Gas Potential MCFPD	
I hereby certify that the information given above is true and complete to the best of my knowledge.			
Approved by W. A. Gressett		Name W. A. Gressett	
Title OIL AND GAS INSPECTOR		Position Neat. Blot. Superintendent	
Date OCT 22 1963		Company Continental Oil Company	

MOCC-ARTESIA (5) SEC 123 123 123 123 123

NEW MEXICO OIL CONSERVATION COMMISSION		MAIN OFFICE OCC FORM C-103 (Rev. 3-55)	
MISCELLANEOUS REPORTS ON WELLS			
(Submit to appropriate District Office as per Commission Rule 3106)			
Name of Company Continental Oil Company		Address Box 460, Hobbs, New Mexico	
Lease Cave Pool Unit	Well No. 38	Unit Letter D	Section 8
Date Work Performed 10-30-63	Pool Cave	Township 17	Range 29
THIS IS A REPORT OF: (Check appropriate block)		County Eddy	
<input type="checkbox"/> Beginning Drilling Operations	<input type="checkbox"/> Casing Test and Cement Job	<input checked="" type="checkbox"/> Other (Explain):	
<input type="checkbox"/> Plugging	<input type="checkbox"/> Remedial Work	Convert to water inj.	
Detailed account of work done, nature and quantity of materials used, and results obtained.			
<p>This well was converted to a water injection well in conjunction with the Cave Pool Unit Waterflood. The casing and cementing program remained unchanged. The rods and tubing were pulled and the casing was tested to 2,000 PSI for 30 minutes. Tested O.K. The well is now ready for water injection.</p>			
<p>RECEIVED</p> <p>NOV 4 1963</p> <p>O. C. C. ARTESIA, OFFICE</p>			
Witnessed by J. R. Cook		Position Sr. Prod. Foreman	
		Company Continental Oil Company	
FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY			
ORIGINAL WELL DATA			
D F Elev.	T D	P B T D	Producing Interval
			Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth
Perforated Interval(s)			
Open Hole Interval		Producing Formation(s)	
RESULTS OF WORKOVER			
Test	Date of Test	Oil Production BPD	Gas Production MCFPD
Before Workover			
After Workover			
OIL CONSERVATION COMMISSION		I hereby certify that the information given above is true and complete to the best of my knowledge.	
Approved by <i>[Signature]</i>		Name <i>[Signature]</i>	
Title OIL AND GAS INSPECTOR		Position Asst. Dist. Superintendent	
Date NOV 4 1963		Company Continental Oil Company	

NOOC-ARTESIA (5) SLO ABS PARTNERS (11) FILE

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NEW MEXICO OIL CONSERVATION COMMISSION

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

MAIN OFFICE OCC
FORM C-103
(Rev 3-55)

1964 JUL 9 AM 7:43

Name of Company Continental Oil Company		Address Box 460, Hobbs, New Mexico	
Lease Cave Pool Unit	Well No. 40	Unit Letter E	Section 7
Date Work Performed	Pool	Township 29N	Range 29E
County			

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations
 ☐ Casing Test and Cement Job
 ☒ Other (Explain):
- ☐ Plugging
 ☐ Remedial Work

Detailed account of work done, nature and quantity of materials used, and results obtained.

Cleaned out sand to 2,485. Squeered (Fryburg) pipe 2166 -77 W/ 25 3x. cement. Ran Guiberson hookwall packer and set at 2,374. Tested 5 1/2" casing w/ 2,000 # for 30 minutes. Tested 0.1. The well is now ready for water injection.

Witnessed by C. C. Dickens	Position Drilling Foreman	Company Continental Oil Company
--------------------------------------	-------------------------------------	---

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

D F Elev.	T D	P B T D	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth	
Perforated Interval(s)				
Open Hole Interval		Producing Formation(s)		

RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	G O R Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION

Approved by <i>M. L. Arnold</i>	Name <i>E. R. Johnson</i>
Title OIL AND GAS INSPECTOR	Position Assistant Division Superintendent
Date NOV 19 1963	Company Continental Oil Company

NOCC ARTESIA (11) ALSO AND PARTNERS (11) File

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TRANSPORTER	OIL	RECEIVED					
PRODUCTION OFFICE	GAS	NOV 14 1963					
OPERATOR	3	DISTRICT					
Name of Company Continental Oil Company		Address Box 460, Hobbs, New Mexico					
Lease	Well No.	Unit Letter	Section	Township	Range		
Cave Pool Unit	42	7	8	17	29		
Date Work Performed 11-5-63	Pool Cave	County Sandoz					
THIS IS A REPORT OF: (Check appropriate block)							
<input type="checkbox"/> Beginning Drilling Operations		<input type="checkbox"/> Casing Test and Cement Job		<input type="checkbox"/> Other (Explain):			
<input type="checkbox"/> Plugging		<input type="checkbox"/> Remedial Work		<input checked="" type="checkbox"/> Convert to water injection			
Detailed account of work done, nature and quantity of materials used, and results obtained.							
<p>This well was converted to a water injection well in conjunction with the Cave Pool Unit Waterflood. The rods and tubing were pulled, the well was cleaned out to TD and the casing was tested to 2,000 PSI for 30 minutes. Tested O.K. The well is now ready for water injection.</p>							
Witnessed by J. R. Cook		Position Sr. Prod. Foreman		Company Continental Oil Company			
FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY							
ORIGINAL WELL DATA							
DF Elev.	TD	PBTD	Producing Interval		Completion Date		
Tubing Diameter	Tubing Depth	Oil String Diameter		Oil String Depth			
Perforated Interval(s)							
Open Hole Interval				Producing Formation(s)			
RESULTS OF WORKOVER							
Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD	
Before Workover							
After Workover							
OIL CONSERVATION COMMISSION				I hereby certify that the information given above is true and complete to the best of my knowledge.			
Approved by <i>ML Armstrong</i>				Name <i>S. L. [Signature]</i>			
Title OIL AND GAS INSPECTOR				Position Asst. Division Superintendent			
Date NOV 13 1963				Company Continental Oil Company			

WMOG-ARTERIA (5) SLO ABS PARTNERS (11) FILE

MAIN OFFICE OGC

NEW MEXICO OIL CONSERVATION COMMISSION 1964 JUL 9 AM 7:10 PM C-103 (Rev 3-55)

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 11067)

NAME OF COMPANY	CONTINENTAL OIL COMPANY
ADDRESS	BOX 460, HOBBS, NEW MEXICO
LEASE	CAVE POOL UNIT
WELL NO.	44
UNIT LETTER	H
SECTION	8
TOWNSHIP	17S
RANGE	29E
DATE WORK PERFORMED	10-30-63
POOL	CAVE
COUNTY	EDDY

Name of Company	Continental Oil Company					Address	Box 460, Hobbs, New Mexico				
Lease	Cave Pool Unit	Well No.	44	Unit Letter	H	Section	8	Township	17S	Range	29E
Date Work Performed	10-30-63	Pool	Cave	County				Eddy			

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations
 ☐ Casing Test and Cement Job
 ☒ Other (Explain): Convert to water inj.
- ☐ Plugging
 ☐ Remedial Work

Detailed account of work done, nature and quantity of materials used, and results obtained.

This well was converted to a water injection well in conjunction with the Cave Pool Unit Waterflood. 7 5/8" casing is set at 715' and 4 1/2" casing is set at 2499'. The rods and tubing were pulled, the well was cleaned out to TD, and the casing was tested to 2,000 PSI for 30 minutes. Tested O.K. The well is now ready for water injection.

RECEIVED

NOV 4 1963

O. C. C.
ARTESIA, OFFICE

Witnessed by	J. R. Cook	Position	Sr. Prod. Foreman	Company	Continental Oil Company
--------------	------------	----------	-------------------	---------	-------------------------

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

D F Elev.	TD	PBTD	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth	
Perforated Interval(s)				
Open Hole Interval		Producing Formation(s)		

RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION

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

Approved by	<i>M. L. Armstrong</i>	Name	<i>M. L. Armstrong</i>
Title	OIL AND GAS INSPECTOR	Position	Asst. District Superintendent
Date	NOV 4 1963	Company	Continental Oil Company

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Rev 3-55
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OPERATOR	3 -

NEW MEXICO OIL CONSERVATION COMMISSION

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

Name of Company Continental Oil Company		Address Box 160, Hobbs, New Mexico				
Lease Cave Pool Unit	Well No. 46	Unit Letter I	Section 9	Township 17	Range 29	
Date Work Performed 10-16-63	Pool Cave	County Eddy				

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations
 ☐ Casing Test and Cement Job
 ☐ Other (Explain):
☐ Plugging
 ☐ Remedial Work
 Convert to water injection

Detailed account of work done, nature and quantity of materials used, and results obtained.

This well was converted to a water injection well in conjunction with the Cave Pool Unit waterflood. 7 5/8" casing is set at 701' and 4 1/2" casing is set at 2465'. The rods and tubing were pulled and the well is now ready for injection.

The casing was tested to 2,000# PSI for 30 minutes on 10-16-63.
Tested O. K.

RECEIVED

OCT 21 1963

O. C. C.
ARTESIA OFFICE

Witnessed by J. R. Cook	Position Sr. Prod. Foreman	Company Continental Oil Company
----------------------------	-------------------------------	------------------------------------

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

D F Elev.	T D	P B T D	Producing Interval	Completion Date
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Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth
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Perforated Interval(s)

Open Hole Interval	Producing Formation(s)
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RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Potential MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION

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

Approved by <i>W. A. Gussett</i>	Name <i>J. A. Green</i>
Title OIL AND GAS DIRECTOR	Position Asst. Dist. Superintendent
Date OCT 27 1963	Company Continental Oil Company

1000-10-10-63 (3) 010 ADD PARTIAL (11) FILE

LAND OFFICE	
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NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103
(Rev 3-55)

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

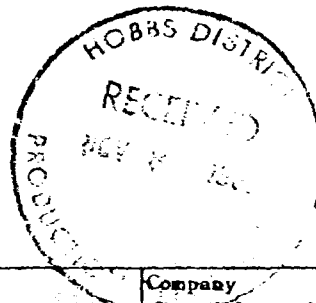
Name of Company Continental Oil Company		Address Box 460, Hobbs, New Mexico			
Lease Cave Pool Unit	Well No. 47	Unit Letter J	Section 8	Township 17	Range 29
Date Work Performed 11-4-63	Pool Cave	County Eddy			

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations
 ☐ Casing Test and Cement Job
 ☒ Other (Explain): **Convert to water injection**
- ☐ Plugging
 ☐ Remedial Work

Detailed account of work done, nature and quantity of materials used, and results obtained.

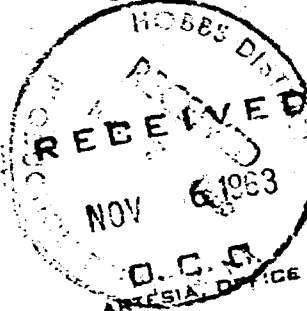
This well was converted to a water injection well in conjunction with the Cave Pool Unit Waterflood. The casing and cementing program remain unchanged. The rods and tubing were pulled and the casing was tested to 2,000 PSI for 30 minutes. Tested O.K. The well is now ready for water injection.



RECEIVED

Witnessed by J. R. Cook		Position Sr. Prod. Foreman		Company Continental Oil Company		
FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY						
ORIGINAL WELL DATA						
D F Elev.	T D	P B T D	Producing Interval	Completion Date		
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth			
Perforated Interval(s)						
Open Hole Interval			Producing Formation(s)			
RESULTS OF WORKOVER						
Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						
OIL CONSERVATION COMMISSION				I hereby certify that the information given above is true and complete to the best of my knowledge.		
Approved by <i>M. A. Armstrong</i>				Name <i>J. A. [Signature]</i>		
Title FILE AND GAS INSPECTOR				Position Assistant District Superintendent		
Date NOV 7 1963				Company Continental Oil Company		

MOOD-ARTESIA (5) SLO ABS PARTNERS (11) FILE

NUMBER OF COPIES RECEIVED DISTRIBUTION STATE - <input checked="" type="checkbox"/> FILE - <input checked="" type="checkbox"/> LAND OFFICE - <input checked="" type="checkbox"/> TRANSPORTER - <input type="checkbox"/> OPERATOR - <input checked="" type="checkbox"/>		MAIN OFFICE OCC NEW MEXICO OIL CONSERVATION COMMISSION MISCELLANEOUS REPORTS ON WELLS 43 (Submit to appropriate District Office as per Commission Rule 1106)		FORM C-103 (Rev 3-55)
Name of Company Continental Oil Company		Address Box 460, Hobbs, New Mexico		
Lease Cave Pool Unit	Well No. 49	Unit Letter L	Section 8	Township 17
Date Work Performed 11-2-63	Pool Cave	County Deer		
THIS IS A REPORT OF: (Check appropriate block)				
<input type="checkbox"/> Beginning Drilling Operations <input type="checkbox"/> Casing Test and Cement Job <input checked="" type="checkbox"/> Other (Explain):				
<input type="checkbox"/> Plugging <input type="checkbox"/> Remedial Work Convert to water injection				
Detailed account of work done, nature and quantity of materials used, and results obtained. <p>This well was converted to a water injection well in conjunction with the Cave Pool Unit Waterflood. The casing and cementing program remain unchanged. The rods and tubing were pulled and the casing was tested to 2,000 PSI for 30 minutes. Tested O.K. The well is now ready for water injection.</p>				
				
Witnessed by J. R. Cook		Position Sr. Prod. Foreman		Company Continental Oil Company
FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY				
ORIGINAL WELL DATA				
D F Elev.	T D	P B T D	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth	
Perforated Interval(s)				
Open Hole Interval		Producing Formation(s)		
RESULTS OF WORKOVER				
Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD
Before Workover				
After Workover				
OIL CONSERVATION COMMISSION		I hereby certify that the information given above is true and complete to the best of my knowledge.		
Approved by W. A. Grossett		Name J. C. Green		
Title Oil and Gas Inspector		Position Asst. District Superintendent		
Date NOV 6 1963		Company Continental Oil Company		

WMOCC-ARTESIA (5) SLO ABS PARTNERS (11) FILE

MAIN OFFICE OCC

1964 JUL 9 AM 7:43

NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103
(Rev 3-55)

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

NUMBER OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	
PRODUCTION OFFICE	
OPERATOR	

Name of Company Continental Oil Company		Address 1500 E. 10th, New Mexico	
Lease Cave Pool Unit	Well No. 10	Unit Letter 2	Section 2
		Township 17N	Range 19E
Date Work Performed 11-12-63	Pool Cave	County Brewer	

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations
 ☐ Casing Test and Cement Job
 ☒ Other (Explain):
☐ Plugging
 ☐ Remedial Work

Detailed account of work done, nature and quantity of materials used, and results obtained.
 Drilled out cement plugs from 22-1/2" - 21-1/2" for 2 1/2' below and set 1 1/2" 2,410'. Grouted tubing of 10 sq. ft. cement. The 12' casing 2,200' by temperature survey. The casing work of 1-1/2" - 22-1/2" was covered by the cement. Perforated 3,076' - 3,077' 1/2" 1512'. Grouted 10,000 gal. water and 10,000 lbs. sand. Sealed tubing 2,200' - 2,300' for 30 min. Sealed O.K. The well is in ready for production.

RECEIVED
NOV 19 1963
O. C. C.
ARTESIA, OFFICE

Witnessed by G. G. Dickerson	Position Drilling Supervisor	Company Continental Oil Company
---------------------------------	---------------------------------	------------------------------------

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

D F Elev.	T D	P B T D	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Perforated Interval(s)	
Open Hole Interval			Producing Formation(s)	

RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic Feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION		I hereby certify that the information given above is true and complete to the best of my knowledge.	
Approved by M. L. Armstrong	Name G. L. J. J.		
Title OIL AND GAS INSPECTOR	Position Assistant Division Superintendent		
Date NOV 14 1963	Company Continental Oil Company		

RECEIVED
NOV 20 1963
OIL CONSERVATION COMMISSION
ARTESIA, OFFICE

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

July 17, 1964

C
O
P
Y

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

Dear Mr. Kellahin:

Reference is made to Order No. R-2739, entered by the Commission July 15, 1964. This order authorized the substitution of Continental's Cave Unit Well No. 45 in Unit H of Section 9, Township 17 South, Range 29 East, Eddy County, New Mexico, as a water injection well in lieu of Unit Well No. 46 located in Unit I of said Section 9.

Continental is authorized to use this well for water injection purposes provided that:

1. Injection pressure shall not exceed 1500 psi.
2. The casing in the subject well shall satisfactorily pass a 2000 psi pressure test prior to utilization as an injection well.
3. Injection shall be through tubing and a packer set immediately above the injection interval if any casing leak is apparent on the aforesaid casing test.
4. The District Office of the Commission at Artesia shall be notified of the hour and the date such pressure test is to be conducted.

Very truly yours,

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

ALP/DSN/og

cc: Oil Conservation Commission - Artesia
Mr. Frank Irby - State Engineer Office - Santa Fe

**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. 3074
Order No. R-2739**

**APPLICATION OF CONTINENTAL OIL
COMPANY FOR AN AMENDMENT OF ORDER
NO. R-2385, EDDY COUNTY, NEW MEXICO.**

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on July 1, 1964, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 15th day of July, 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, Continental Oil Company, seeks amendment of Order No. R-2385 to authorize water injection into its Cave Pool Unit Well No. 45 located in Unit H of Section 9, Township 17 South, Range 29 East, NMPM, Eddy County, New Mexico, in lieu of its Unit Well No. 46 (formerly State U-9 Well No. 4) located in Unit I of said Section 9.

(3) That approval of the subject application should result in a more efficient waterflood project.

(4) That approval of the subject application should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

-2-

CASE No. 3074

Order No. R-2739

IT IS THEREFORE ORDERED:

(1) That Order No. R-2385 is hereby amended to authorize Continental Oil Company to inject water into its Cave Pool Unit Well No. 45 located in Unit H of Section 9, Township 17 South, Range 29 East, NMPM, Eddy County, New Mexico, in lieu of its Unit Well No. 46 (formerly State U-9 Well No. 4) located in Unit I of said Section 9.

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

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

Jack M. Campbell

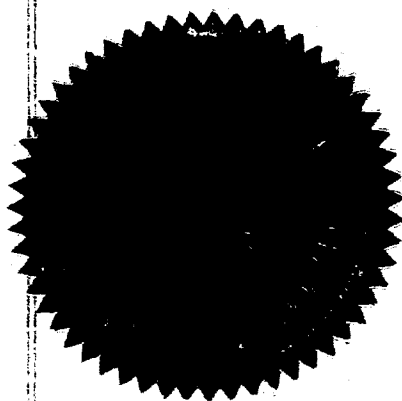
JACK M. CAMPBELL, Chairman

E. S. Walker

E. S. WALKER, Member

A. L. Porter, Jr.

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



esr/

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. 2703
Order No. R-2385

APPLICATION OF CONTINENTAL OIL COMPANY
FOR A WATERFLOOD PROJECT AND A CENTRAL
TANK BATTERY, EDDY 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, 1962, at Santa Fe, New Mexico, before Elvis A. Utz, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 5th day of December, 1962, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Elvis A. Utz, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the Cave Pool Unit Agreement has been approved by the Commission by Order No. R-2384; that the Cave Pool Unit Area comprises 1,960 acres, more or less, of State and Federal lands in Townships 16 and 17 South, Range 29 East, NMPM, Cave Pool, Eddy County, New Mexico, as more fully described in said order.

(3) That the applicant, Continental Oil Company, seeks permission to institute a waterflood project in the Cave Pool Unit Area by the injection of water into the Premier Sand of the Grayburg formation through 26 injection wells located within said unit area.

(4) That the applicant further seeks authority to commingle all production in the Cave Pool Unit Area into a central tank battery to be located in the southeast corner of the NW/4 SE/4 of Section 5, Township 17 South, Range 29 East.

CASE No. 2703
Order No. R-2385

(5) That the wells in the project area are in an advanced stage of depletion and should properly be classified as "stripper" wells.

(6) That approval of the waterflood project will not cause damage to producing formations in the area or otherwise cause waste if the well casing on all injection wells is tested to withstand 2000 pounds psi prior to injection.

(7) That approval of the waterflood project will not cause damage to producing formations in the area or otherwise cause waste if injection into all wells that will not withstand 2000 pounds psi casing pressure is accomplished through tubing installed in a packer with injection below the packer.

(8) That the waterflood project should be approved and should be governed by the provisions of Rule 701.

(9) That the applicant should be granted authority to commingle all production from the waterflood project into a central tank battery as all production will be within the Cave Pool Unit Area.

IT IS THEREFORE ORDERED:

(1) That the applicant, Continental Oil Company, is hereby authorized to institute a waterflood project in the Premier Sand of the Grayburg formation in the Cave Pool Unit Area by the injection of water through the following-described 26 wells:

TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM, EDDY COUNTY,
NEW MEXICO

CONTINENTAL OIL COMPANY

- State "EE" 4 Well No. 1, Unit N, Section 4
- State "EE" 4 Well No. 2, Unit F, Section 4
- State P-4 Well No. 3, Unit B, Section 4
- State U-4 Well No. 1, Unit H, Section 5
- State U-5 Well No. 1, Unit J, Section 5
- State U-5 Well No. 2, Unit H, Section 8
- State U-8 Well No. 2, Unit B, Section 9
- State U-9 Well No. 4, Unit I, Section 8
- State T-8 Well No. 1, Unit D, Section 9
- State KE-9 Well No. 1, Unit D, Section 4
- State KD-4 Well No. 3, Unit J, Section 4
- State KD-4 Well No. 3, Unit P, Section 5
- State KC-5 Well No. 3, Unit F, Section 5
- State KC-5 Well No. 4, Unit N, Section 5
- State KF-5 Well No. 1, Unit B, Section 5
- Hodges 5 Well No. 1, Unit B, Section 5

Sub. Cave unit #45
H-9-

-3-

CASE No. 2703
Order No. R-2385

KINCAID & WATSON DRILLING COMPANY

Humble State Well No. 1, Unit D, Section 8
Humble State Well No. 4, Unit F, Section 8
Humble State Well No. 5, Unit B, Section 7
Atlantic State Well No. 2, Unit L, Section 8
Atlantic State Well No. 3, Unit J, Section 8
Atlantic State Well No. 4, Unit N, Section 8

BILL A. SHELTON OIL PROPERTIES

Gulf State "E" Well No. 4, Unit P, Section 4

SKELLY OIL COMPANY

Hobbs "H" Well No. 1, Unit L, Section 4

TOWNSHIP 16 SOUTH, RANGE 29 EAST, NMPM, EDDY COUNTY,
NEW MEXICO

WESTERN DEVELOPMENT COMPANY

Dale Federal Well No. 2, Unit P, Section 33

(2) That the casing in all injection wells shall be tested to withstand 2000 pounds psi casing pressure prior to injection.

(3) That injection into all wells that will not withstand casing pressure of 2000 pounds psi shall be accomplished through tubing installed in a packer with injection below the packer.

(4) That the applicant, Continental Oil Company, is hereby authorized to commingle all production from the aforesaid waterflood project in the Cave Pool Unit Area into a central tank battery to be located in the southeast corner of the NW/4 SE/4 of Section 5, Township 17 South, Range 29 East, NMPM, Eddy County, New Mexico.

(5) That the subject waterflood project shall be governed by the provisions of Rule 701, including the allowable provisions thereof, and including the provisions with respect to expansion of the waterflood project.

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

-4-

CASE No. 2703
Order No. R-2385

DONE at Santa Fe, New Mexico, on the day and year herein-
above designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

TOM BOLACK, Chairman

E. S. WALKER, Member

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

S E A L

esr/

DRAFT

JMD/esr
July 1, 1964

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

CF Subj. _____

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

CASE No. 3074

Order No. R-2739
R-2385-A

APPLICATION OF CONTINENTAL OIL COMPANY
FOR AN AMENDMENT OF ORDER NO. R-2385,
EDDY COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on
July 1, 1964, at Santa Fe, New Mexico, before Examiner
Elvis A. Utz.

NOW, on this _____ day of July, 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, Continental Oil Company, seeks
amendment of Order No. R-2385 to authorize water injection into its
Cave Pool Unit Well No. 45 located in Unit H of Section 9, Town-
ship 17 South, Range 29 East, NMPM, Eddy County, New Mexico, in
Unit Well No 46 (formerly State U-9 Well No 4)
lieu of its ~~State U-9 Well No. 4~~ located in Unit I of said Sec-
tion 9.

(3) That approval of the subject application should result
in a more efficient waterflood project.

(4) That approval of the subject application should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

IT IS THEREFORE ORDERED:

(1) That Order No. R-2385 is hereby amended to authorize Continental Oil Company to inject water into its Cave Pool Unit Well No. 45 located in Unit H of Section 9, Township 17 South, Range 29 East, NMPM, Eddy County, New Mexico, in lieu of its *Unit Well No 46 (Formerly State U-9 Well No 4)* ~~State U-9 Well No. 4~~ located in Unit I of said Section 9.

(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.