CASE 3533: Application of UNION OIL CO. of CALIFORNIA for salt water disposal, Lea County.

1

ASE MO.

ADP/ICATION,
TYANSCTIPTS,
SMALL Exhibits
ETC.

## 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. 3533 Order No. R-3203

APPLICATION OF UNION OIL COMPANY OF CALIFORNIA FOR SALT WATER DISPOSAL, LEA COUNTY, NEW MEXICO.

## ORDER OF THE COMMISSION

### BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on March 8, 1967, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NCW, on this 14th day of March, 1967, 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, Union Oil Company of California, is the owner and operator of the Continental Nix Well No. 24-1, located 330 feet from the North line and 660 feet from the West line of Section 24, Township 18 South, Range 35 East, NMPM, Reeves-Devonian Pool, Lea County, New Mexico.
- (3) That the applicant proposes to utilize said well to dispose of produced salt water into the Devonian formation, with injection through perforations from approximately 12,126 feet to 12,190 feet.
- (4) That the injection should be accomplished through 3 1/2-inch internally plastic-coated tubing installed in a packer set below 11,380 feet; that the casing-tubing annulus should be filled with an inert fluid; and that a pressure gauge should be attached to the annulus or the annulus left open at the surface in order to determine leakage in the tubing or packer.

-2-CASE No. 3533 Order No. R-3203

(5) That approval of the subject application will prevent the drilling of unnecessary wells and otherwise prevent waste and protect correlative rights.

## IT IS THEREFORE ORDERED:

(1) That the applicant, Union Oil Company of California, is hereby authorized to utilize its Continental Nix Well No. 24-1, located 330 feet from the North line and 660 feet from the West line of Section 24, Township 18 South, Range 35 East, NMPM, Reeves-Devonian Pool, Lea County, New Mexico, to dispose of produced salt water into the Devonian formation, injection to be accomplished through 3 1/2-inch tubing installed in a packer below 11,380 feet, with injection into the perforated interval from approximately 12,126 feet to 12,190 feet;

PROVIDED HOWEVER, that the tubing shall be internally plastic-coated; that the casing-tubing annulus shall be filled with an inert fluid; and that a pressure gauge shall be attached to the annulus or the annulus left open at the surface in order to determine leakage in the tubing or packer.

- (2) That the applicant shall submit monthly reports of its disposal operations in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.
- (3) 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

DAVID F. CARGO, Chairman

GUYTON B. HAYS, Member

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

esr/

SEAL



3533

## STATE OF NEW MEXICO

## STATE ENGINEER OFFICE SANTA PE

S. E. REYNOLDS STATE ENGINEER

March 2, 1967

ADDRESS CORRESPONDENCE TO: STATE CAPITOL SANTA FE, NEW MEXICO 87501

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

Dear Mr. Porter:

Reference is made to the application of Union Oil Company of California which seeks authority to dispose of salt water in the Devonian formation through their Continental Oil Company Nix well No. 24-1 in Sec. 24, T. 18 S., R. 35 E.

The diagrammatic sketch of the injection well is referred to in the application as Exhibit 3 and it appears from the exhibit that no threat of contamination to the fresh waters which may exist in the area will occur, provided the well is completed, equipped and operated in the manner shown on this exhibit. Therefore, this office offers no objection to the granting of the application, provided the well is completed, equipped and operated in the manner shown on the diagrammatic sketch.

FEI/ma

cc-F. H. Hennighausen

J. F. Russell

Yours truly,

S. E. Reynolds State Engineer

Frank E. Irby

Chief

Water Rights Div.

GOVERNOR DAVID F. CARGO CHAIRMAN

## State of New Mexico Gil Conservation Commission

LAND COMMISSIONER GUYTON 8. HAYS MEMBER



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

Mr. John Russell Attorney at Law Post Office Drawer 640 Roswell, New Mexico Re: Case No. 3533
Order No. R-3203
Applicant:

Union Oil Company of Calif.

Dear Sir:

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

Very truly yours,

A. L. PORTER, Jr. Secretary-Director

### DOCKET: EXAMINER HEARING - WEDNESDAY - MARCH 8, 1967

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

The following cases will be heard before Daniel S. Nutter, Examiner, or Elvis A. Utz, Alternate Examiner:

CASE 3533:

Application of Union Oil Company of California for salt water disposal, Lea County, New Mexico. Applicant, in the abovestyled cause, seeks authority to dispose of produced salt water in the Devonian formation in its Continental Nix Well No. 24-1, located 330 feet from the North line and 660 feet from the West line of Section 24, Township 18 South, Range 35 East, Resvessible Devonian Pool, Lea County, New Mexico.

CASE 3534:

Application of Newmont Oil Company for a waterflood expansion and unorthodox well locations, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to expand its West Grayburg No. 4 Sand Waterflood Project, Loco Hills Pool, by drilling a water injection well at an unorthodox location 175 feet from the South line and 1500 feet from the East line of Section 10, and further, to drill two production wells at unorthodox locations 2600 feet from the North line and 1200 feet from the West line of Section 10, and 1190 feet from the North line and 150 feet from the East line of Section 11, all in Township 18 South, Range 29 East, Eddy County, New Mexico.

### CASE 3531 (Readvertised)

Application of Texas Pacific Oil Company for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in the South Eunice Pool by the injection of water into the Seven Rivers-Queen formations through six wells in Sections 5, 8 and 9, Township 22 South, Range 36 East, Lea County, New Mexico.

CASE 3535:

Application of Pennzoil Company for the creation of a new pool and for special pool rules, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new oil pool for Lower Wolfcamp production for its Gallagher State Well No. 1, located in Unit A of Section 3, Township 17 South, Range 34 East, Lea County, New Mexico, and for the promulgation of special pool rules therefor, including a provision for 80-acre spacing.

-2-Examiner Hearing March 8, 1967

CASE 3536: Application of Tenneco Oil Company for two unorthodox gas well locations, San Juan and Rio Arriba Counties, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox Blanco-Mesaverde Gas Pool location of its Dawson Federal Well No. 1, located 835 feet from the North line and 1150 feet from the West line of Section 26, Township 27 North, Range 8 West, San Juan County, and its Jicarilla "C" Well No. 8, located 1850 feet from the North line and 790 feet from the West line of Section 13, Township 26 North, Range 5 West, Rio Arriba County, New Mexico.

## CASE 3206 (Reopened)

In the matter of Case No. 3206 being reopened pursuant to the provisions of Order No. R-2874-A which continued the special rules and regulations for the High Plains-Pennsylvanian Pool, Lea County, New Mexico, for an additional year. All interested parties may appear and show cause why the pool should not be developed on 80-acre or 40-acre spacing units.

CASE 3537: Application of Texaco Inc. for a waterflood project, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in the Bisti Lower-Gallup Oil Pool by the injection of water into the Lower Gallup formation through its Northeast Bisti Unit Well No. 3 located in Unit O of Section 15, Township 25 North, Range 11 West, San Juan County, New Mexico.

LAW OFFICES OF

## JOHN F. RUSSELL. SUITE 1010 SECURITY NATIONAL BANK BUILDING P. O. DRAWER 640 ROSWELL, NEW MEXICO 88201

TELEPHONE 622-4641 AREA CODE 505

February 16, 1967

Care 3533

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

Dear Mr. Porter:

Pursuant to my telephone conversation with Mr. Nutter this morning, I transmit herewith an Application of Union Oil Company to be set for hearing before an Examiner.

The exhibits will be forwarded within the next week.

Very truly yours,

John F. Russell

JFR/wa

1 Enc:

App. (trip)

cc: Mr. Bob Cooke w/enc.

Mr. Frank Irby w/enc.

DOCKET MAILED

## BEFORE THE OIL CONSERVATION COMMISSION

### STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF UNION OIL COMPANY OF CALIFORNIA FOR AN ORDER AUTHORIZING THE DISPOSAL OF SALT WATER INTO THE DEVONIAN FORMATION BY INJECTION INTO THE CONTINENTAL OIL COMPANY NIX WELL NO. 24-1 LOCATED APPROXIMATELY 660 FEET FROM THE WEST LINE AND 300 FEET FROM THE NORTH LINE OF SECTION 24, TOWNSHIP 18 SOUTH, RANGE 35 EAST, LEA COUNTY, NEW MEXICO.

No. 3532

## APPLICATION

COMES NOW Union Oil Company of California by its attorney, John F. Russell, and states:

- 1. Applicant proposes to commence the disposal of salt water produced from the Devonian Formation of the South Vacuum Field by injection into the Devonian Formation through the Continental Oil Company Nix Well No. 24-1 located approximately 660 feet from the West line and 300 feet from the North line of Section 24, Township 18 South, Range 35 East, in the Reeves Devonian Field, Lea County, New Mexico.
- 2. The water being disposed of is not suitable for domestic or agricultural purposes and the disposal of said water, as proposed, will not impair production of oil, gas or fresh water from the reservoir nor will it impair correlative rights.
- 3. Applicant attaches hereto as Exhibit 1 a plat showing the location of the proposed injection well and all wells within two miles from said proposed injection well from which they are being produced and the names of the lessees.

- 4. Applicant attaches hereto as Exhibit 2 a copy of the well log of the proposed injection well.
- 5. Applicant attaches hereto as Exhibit 3 a diagrammatic sketch showing the manner of completing the proposed injection wc11.

WHEREFORE Applicant requests that the Commission set this matter down for hearing before its Examiner, publish notice as required by law and after hearing issue its order authorizing the disposal of salt water as aforesaid.

Respectfully submitted,

UNION OIL COMPANY OF CALIFORNIA

John F. Russell
P. O. Drawer 640
Roswell, New Mexico

Applicant's Attorney

R.W.BYRAM&COMPANY of New Mexico

Drawer M, Capitol Station

AUSTIN, TEXAS



Air Mail

LEGAL CEPARTMENT OIL CONSERVATION COMMISSION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

Charles & 1011 my 100 1 7 24-1 24-185-35 6 300 M.S. Vae 20 1 1900 ( ) 10 Mod Ja. 5. Vae 20 ( ) 10 Pool ( ) 10 Jack de His in Revoed His or College on Word

-

LAW OFFICES OF

## JOHN F. RUSSELL SUITE 1010 SECURITY NATIONAL BANK BUILDING P.O. DRAWER 640 ROSWELL, NEW MEXICO 88201

ELEPHONE 622-464 AREA CODE 505

February 27, 1967

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

Care 3533

Re: Application of Union Oil Company of California transmitted to you 2/16/67

Dear Mr. Porter:

I am transmitting the following exhibits:

- 1. Diagramatic sketch of the proposed completion of the salt water disposal well;
  - 2. Copy of the log;
- 3. Plat showing location of the proposed salt water disposal well.

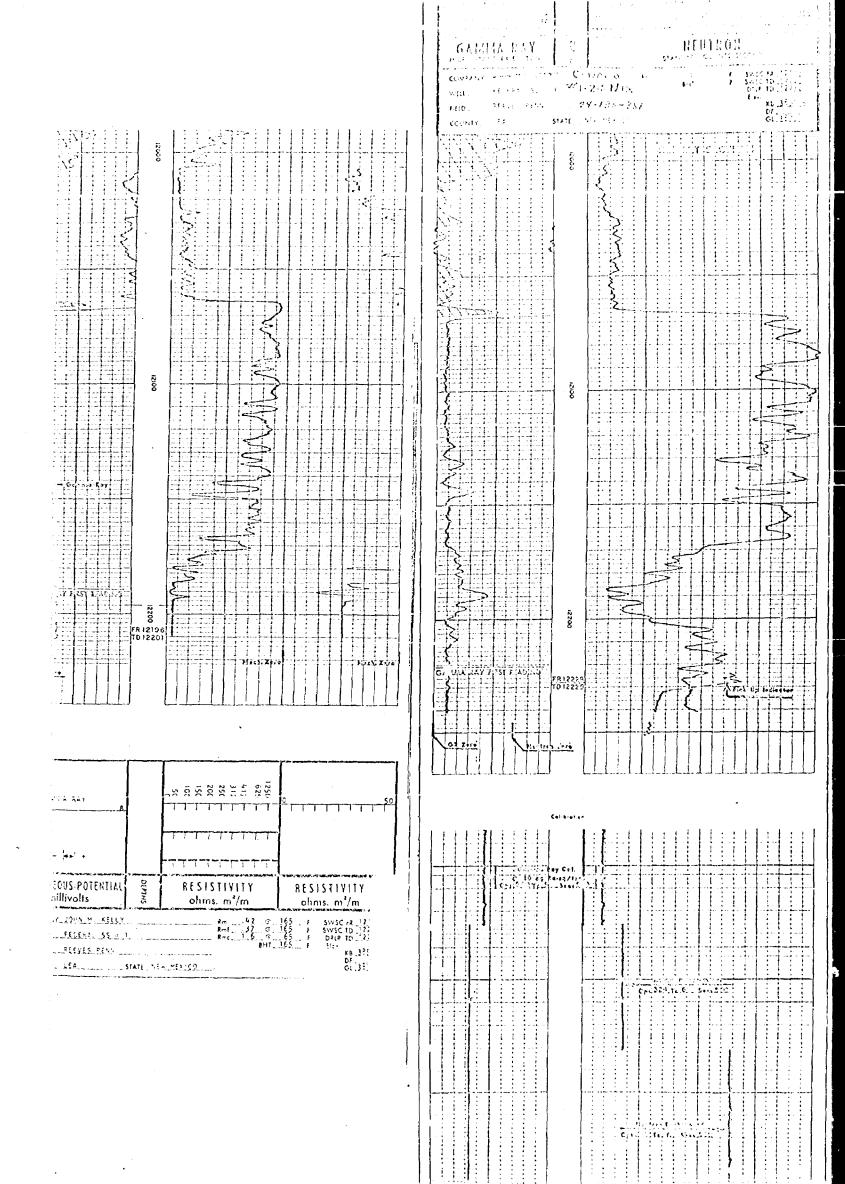
Very truly yours,

John F. Russell

JFR/wa 3 Encs:

As above in triplicate

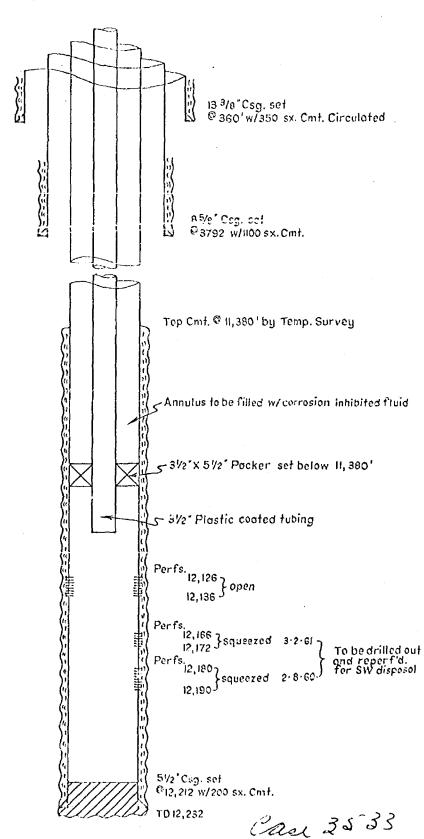
cc: Mr. Frank E. Irby w/enc.



## DIAGRAMATIC SKETCH PROPOSED COMPLETION FOR SWD SERVICE CONTINENTAL OIL COMPANY \* 24-INIX WELL

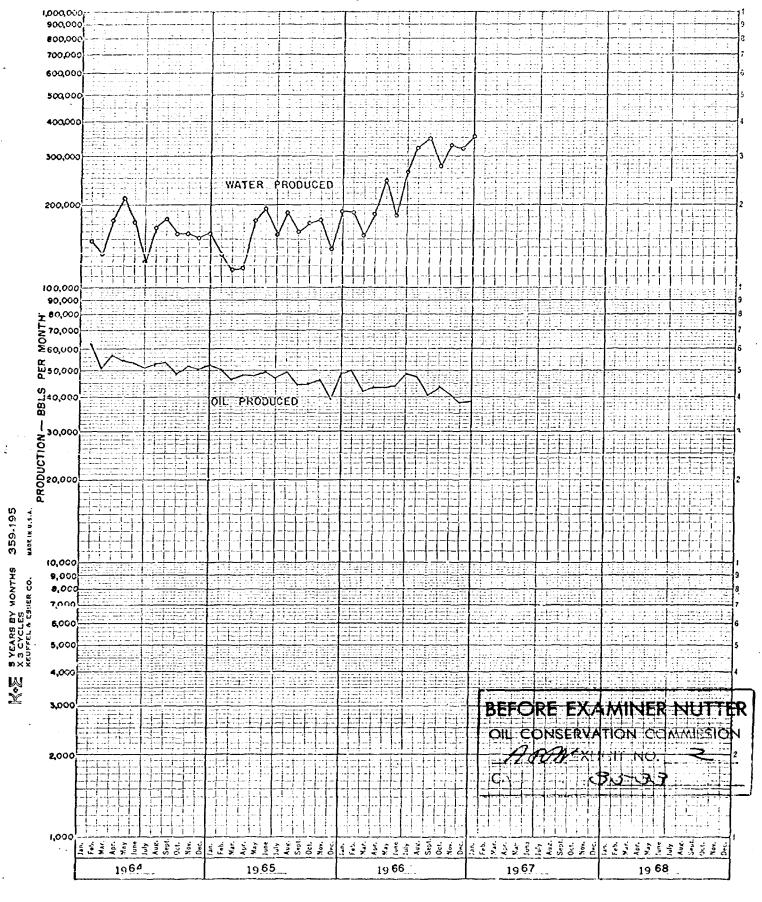
REEVES DEVONIAN POOL .

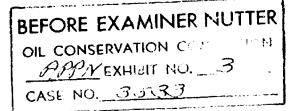
SEC. 24, TIBS, RBSE, LEA COUNTY, NEW MEXICO BY UNION OIL COMPANY OF CALIFORNIA

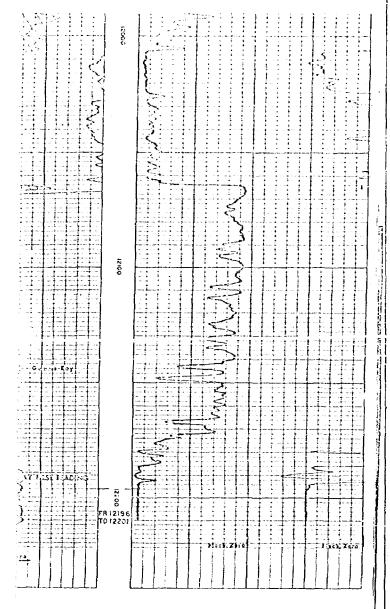


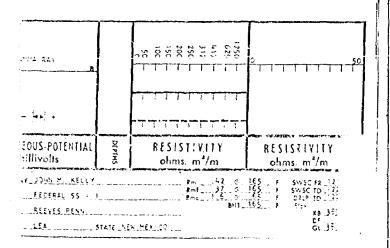
## UNION OIL COMPARY OF CALIFORNIA CENTRAL DIVISION-MIDLAND DISTRICT

## SOUTH VACUUM (DEVONIAN) FIELD







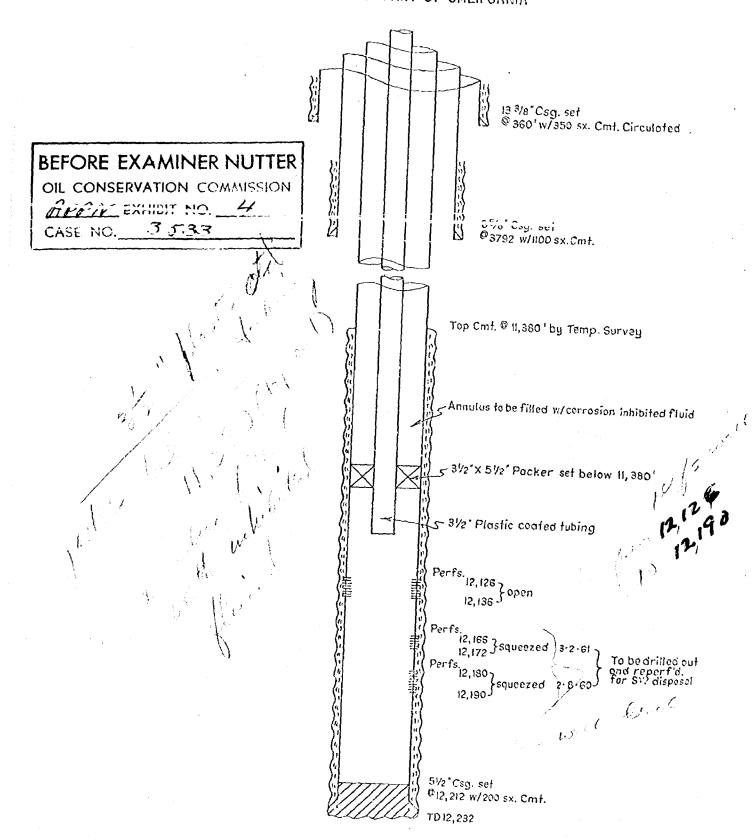


GARMA RAY		)		MARIA
Will Feether St	1 861	are, a second	<b>€</b> 10.2	F Switch Clark F Switch Clark End For GGG
rua : Hitas rea : Comar : M	SDIE_	200 - 120 -		ii.
TEATHER		HATE.		
	7500			
		13		
	\$	}		
	1	1317		
		}	7 471	
		2 /		
<b>*************************************</b>				\$
<u>}</u>	12:00			
<b>*</b>				14-5
	.] :!		·	
₹111111				
			\$.111	
			?	
	12203			
	8			
			115Es	•
	1015558 LU15558		5	X.)
C. 2000	Zyrè			
			11111	

	Colibration
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	oy Cel.
Line State	**************************************
	tyckick south
	Crist Security

## DIAGRAMATIC SKETCH PROPOSED COMPLETION FOR SWD SERVICE CONTINENTAL OIL COMPANY \* 24-INIM WELL

REEVES DEVORIAN POOL SEC. 24, TIGS, RESE, LEA COUNTY, NEW MEXICO BY UNION OIL COMPANY OF CALIFORNIA



SPECIALIZING IN: DEPOSITIONS, HEARINGS, STATEMENTS, EXPERT TESTIMONY, DAILY COPY CON

1120 SIMMS BLDG. . P. O. BOX 1092 . PHON E 243-6691 . ALBUQUERQUE, NEW MEXICO

NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico March 8, 1967

EXAMINER HEARING

IN THE MATTER OF:

Application of Union Oil Company of California for salt water disposal, Lea County, New Mexico.

Case No. 3533

BEFORE: DANIEL S. NUTTER, Examiner

TRANSCRIPT OF HEARING



# dearnley-meier reporting service, inc.

1120 SIMMS BLDG. • P.O. BOX 1092 • PHONE 243-6491 • ALBUQUERGUE, NEW MEXICO 87101 1205 FIRST NATIONAL BANK EAST • PHONE 256-129.; • ALIUQUERQUE, NEW MEXICO 87108 MR. NUTTER: We will call next Case 3533.

MR. HATCH: Application of Union Oil Company of California for salt water disposal, Lea County, New Mexico.

MR. RUSSELL: John F. Russell, Roswell, New Mexico, appearing on behalf of the Applicant, and I have one witness.

(Witness sworn.)

CHARLES W. BROWNING, called as a witness herein, having been first duly sworn, was examined and testified as follows:

## DIRECT EXAMINATION

## BY MR. RUSSELL:

Q Will you please state your name, address, by whom you are employed, and in what capacity?

A My name is Charles W. Browning. My address is 4710

Thomason Drive, Midland, Texas. I am employed by the Union

Oil Company of California in the capacity of District Engineer.

- Q Have you previously qualified to give testimony before the Commission and the Examiner?
  - A Yes, sir, I have.
- Q Are you familiar with the application of Union Oil Company filed in Case Number 3533?
  - A Yes, sir, I am.
- Q Will you briefly explain to the Examiner what the purpose of this application is?



## dearnley-meier reporting service 198.

1120 SIMMS BLDG. • P.O. 30X 1092 • PHONE 243-6691 • ALBUQUERQU.; NEW MEXICO 87101 1205 FIRST NATIONAL BANK EAST • PHONE 256-1294 • ALBUQUERQUE, NEW MEXICO 87108 A The purpose of this application is to get permission to dispose of salt water produced along with the oil from the Devonian formation in the South Vacuum Field into the Continental Nix Number 24-1 Well located in Section 24, 18 South, 35 East.

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

Q (By Mr. Russell) Now, I'll refer you to Exhibit Number 1, which is a plat, and ask you to explain to the Examiner what that exhibit shows?

A This exhibit shows the location of the well that we propose to use fcr injection purposes in the northwest northwest of Section 24, 18 South, 35 East, and its relationship to the South Vacuum Field approximately a mile and a half to the south and west.

Q Are you presently disposing of some of the water produced in the South Vacuum Field through other wells?

A Yes, sir, we are. We're presently disposing of our present salt water through the well noted in the southwest southwest of Section 36 of the same Township and Range, which is noted on our plat as the Curlea I, a dry hole.

- Q Why do you need this additional, or second, well?
- A You could refer to Exhibit Number 2 and you will note that there has been a noticeable increase in water



# dearnley-meier reporting service, mc.

1120 SIMMS BLDG. • P.O. EOX 1092 • PHONE 243-6691 • ALBUQUERQUE; NEW MEXICO 87101 1205 FIRST NATIONAL BANK EAST • PHONE 256-1294 • ALBUQUERQUE, NEW MEXICO 87108 production during the year of 1966. The Devonian formation in the South Vacuum is an active water drive and we expect water to continue to increase throughout the remainder of the life of this field, and we have found that present salt water disposal system is incapable of handling this continued increase in water without excessive pressure of our tubular framing in this well, and we need some place to get rid of the excessive water and the continued growth of water production throughout the life of this field.

- Q The water which you are going to dispose of, that is produced from the Devonian formation, is that correct?
  - A That is correct.
  - Q And your injection will be into the Devonian formation?
  - A That is correct.
- Q I'll refer you to what has been identified as Exhibit
  Number 3, and ask you if you will just comment as to what
  that is?
- A That is a log of the Continental Nix 24-1 showing the approximate depth of the Devonian formation as it's located in that well, which is approximately 12,070 feet or minus 8180 sub-sea.
- Q Now, that log was furnished to you by the Continental people?
  - A That is correct.



## dearnley-meier reporting service, inc.

120 SIMMS BIDG. • F.O. BOX 1092 • PHONE 243-669: • AIBUQUERQUE, NEW MEKICO 87101 205 FIRST NATIONAL BANK EAS" • PHONE 256-1294 • AIBUQUERQUE, NEW MEKICO 87108 Q And has Union Oil Company of California, are they in the process of making arrangements to acquire this well for injection purposes?

A Yes, sir, we are. We have been in contact with Continental and they have agreed to sell us this well for disposal purposes.

Q And this well originally was producing from the Devonian formation?

A That is correct.

Q And production has ceased?

A Production has ceased and Continental was making plans to plug and abandon the well when we contacted them for the use of it as a possible disposal site.

Q I will refer you to what has been marked as

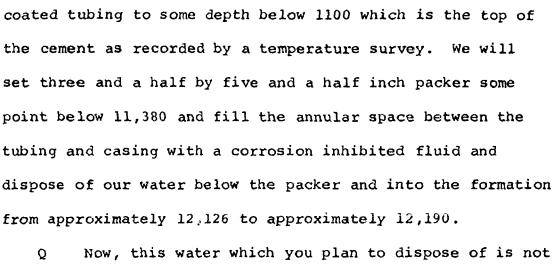
Applicant's Exhibit Number 4 and ask you if you'll just explain
that exhibit?

A This is a diagrammatic sketch of the proposed completion for salt water disposal service of the Continental 24-1 Nix Well. The perforations as they presently exist are marked on the plat. It's presently perforated at 12,126 to 12,136 and open. It has two additional sets of perforations which have been squeezed which we propose to drill out and reperforate to increase the capacity of the well to take salt water.



## dearnley-meier reporting service.





We plan on running three and a half inch plastic

- water which is suitable for domestic or agricultural purposes?
  - No, sir, it is not.
- And are you, in your present disposal well, disposing of water produced in the Devonian formation, you are disposing of water other than just your own water?
- A That is correct. Union operates a salt water disposal system for the South Vacuum Unit which we operate. At the same time, we dispose of water for several other operators in the area through the same system. Their water has increased the same as ours in the field.
- This will be used in the same system but an additional well to take care of the production of the increase in the salt water?
  - That is correct. Α
  - Were Exhibits 1, 2, and 4 prepared by you or under Q



# dearnley-meier reporting service, inc.

SPECIALIZING IN: DEPOSITIONS, HEARING;, STATE MENTS: EXPERT TESTIMONY, DAILY COPY, CONVENTIONS 112) SIMMS BLDG. • P.O. 80X 1092 • PHONE 2.13-6691 • ALBUGUERQUE, NEW MEXICO 87101 1205 FIRST NATIONAL BANK EAST • PHONE 255-1794 • ALBUGUERQUE, NEW MEXICO 87108

your direction?

- A Yes, sir, they were.
- Q Was Exhibit Number 3, the well log, furnished to you by Continer al Oil Company?
  - A That is correct.

MR. RUSSELL: I move the introduction into evidence of Exhibits 1 through 4.

MR. NUTTER: Without objection, the exhibits will be admitted into evidence.

(Whereupon, Applicant's Exhibits 1, 2, 3, and 4 offered and admitted in evidence.)

MR. RUSSELL: I have no further questions of this witness.

MR. NUTTER: Any questions of Mr. Browning?

CROSS EXAMINATION

## BY MR. NUTTER:

- Q I presume, Mr. Browning, that the reason the lower two sets of perforations in this well were squeezed is that the water had encroached and the perforations had gone to water?
  - A That is correct.
- Q I presume the injection here will be made below the oil and water contact?
  - A That is correct.



## dearnley-meier reporting service, inc.

SPECIALIZING IN: DEPOSITIONS, HEARINGS, STAT: MENTS, EXPERT TESTIMONY, DAILY COPY, CONVEN 1120 SIMMS BLDG. • P.O. BOX 1092 • PHONE 243-6691 · AIBIIQUEROUE, NEW MEXICO 87101 1205 FIPST NATIONAL BANK EAST • PHONE 256-1294 • , IBUCUERQUE, NEW MEXICO 87108 Q And no damage to remaining oil reserves will result?

A Yes, sir.

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

(Witness excused.)

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

MP. RUSSELL. I have nothing further.

MR. NUTTER: Does anyone have anything further they wish to offer in Case 3533?

MR. HATCH: Letter dated March 2nd, 1967 from the State Engineer's Office. "This office offers no objection to the granting of the application, provided the well is completed, equipped and operated in the manner shown on the diagrammatic sketch." and signed by Frank E. Irby, the State Engineer's Office.

MR. NUTTER: Anything further in this case? We will take the case under advisement.



9

## dearnley-meier reporting service, inc.

SPECIALIZING IN: DEPOSITIONS, HEARINGS, STATE MENTS, EXPERT TESTIMONY, DAILY COPY, CONVENTIONS

1120 SIMMS BIDG. • P.O. BOX 1092 • PHONE 243-6691 • ALBUQUERQUE, NEW MEXICO 87101 1205 FIRST NATIONAL BANK EAST • PHONE 256-1294 • AIBUQUERQUE, NEW MEXICO 87108

INDEX	
WITNESS	PAGE
CHARLES W. BROWNING	
Direct Examination by Mr. Russell	2
Cross Examination by Mr. Nutter	7

## EXHIBITS

	MARKED FOR		
NUMBER	IDENTIFICATION	OFFERED	ADMITTED
App. Ex. 1	3	7	7
Ex. 2	3	7	7
Ex. 3	3	7	7
Ex. 4	3	7	7



10

BESTALIZING IN: DEPOSITIONS, HEARINGS, STATEMENTS. EXPERT TESTIMONY, DAILY COPY, CONVENTIONS
1120 SIMMS BLDG. • P.O. BOX 1092 • PHONE 243-6691 • ALBUQUERQUE, NEW MEXICO 87101
1205 SIMMS BLDG. • P.O. BOX 1092 • PHONE 256-1294 • ALBUQUERQUE, NEW MEXICO 87108

STATE OF NEW MEXICO ) ; se COUNTY OF BERNALILLO )

I, ADA DEARNLEY, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me; and that the same is a true and correct record of the said proceedings, to the best of my knowledge, skill and ability. Witness my Hand and Seal this 9th day of March, 1967.

NOTARY PUBLIC

My Commission Expires:

June 19, 1967

-JE

I do hereby certify that the foregoing is a complete record of the present 3533 the Exercise hearing of case he. 1962.

Haw Mexico Oil Conservation Commission