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## I N D E X

## DENNIS B. WEHMEYER

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MR. STOGNER: Call next Case Number 8628. That is the third one from the bottom on the first page.

MR. TAYLOR: Application of Texaco, Inc., for salt water disposal, Lea County, New Mexico.

MR. BATEMAN: Mr. Examiner, I'm Ken Bateman, White, Koch, Kelly and McCarthy, appearing for Texaco.

We have one witness and I request he be sworn, please.

MR. STOGNER: Are there any other appearances in this matter?

There being none, will the witness please stand and be sworn.

(Witness sworn.)

MR. STOGNER: Please continue, Mr. Bateman.

DENNIS B. WEHMEYER,  
being called as a witness and being duly sworn upon his oath, testified as follows, to-wit:

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DIRECT EXAMINATION

BY MR. BATEMAN:

Q           Would you state your full name and place of residence for the record, please?

A           My name is Dennis B. Wehmeyer. I reside in Hobbs, New Mexico.

Q           Mr. Wehmeyer, have you previously testified before the Commission and have your academic record and your work experience been accepted as for expert testimony?

A           Yes, I have.

Q           And how are you employed by Texaco?

A           I'm a District Operations Engineer, Hobbs, District.

Q           Are you familiar with the well in question on the application today?

A           Yes, I am.

MR. BATEMAN: I offer Mr. Wehmeyer as an expert.

MR. STOGNER: He is so qualified.

Q           Mr. Wehmeyer, would you just state briefly what Texaco is requesting by its application today?

A           We request approval for disposing of produced water in our B. V. Lynch "A" Federal Well No. 2.

1 Q Would you proceed with what's been marked  
2 Exhibit One, which is the map?

3 A This map shows a half mile radius of the  
4 area in this investigation surrounding Well No. 2, and all  
5 associated leases surrounding the subject well.

6 Q Are you currently disposing of produced  
7 salt water in that lease?

8 A Yes. We will be disposing of produced  
9 salt water in the two wells, Well No. 10 and Well No. 11.

10 Q Is the well in question to replace one of  
11 those wells?

12 A Yes, it is. One of our wells, the No. 11  
13 has to be plugged and abandoned and we need two salt water  
14 disposal wells to dispose of all our produced salt water.

15 We need another additional disposal well.

16 Q Is the production from that lease cur-  
17 tailed because of this problem?

18 A Yes, it is currently curtailed because we  
19 can't dispose of all the produced water.

20 Q To what extent is it curtailed?

21 A Approximately 30 barrels of oil a day.

22 Q Are the other salt water disposal wells in  
23 the area?

24 A Yes, there is. There's other disposal  
25 wells. There's one well, it's a Marathon Well, four miles

1 to the north disposing into a comparable zone. I don't  
2 think it's indicated on the map here; it doesn't go far  
3 enough.

4 Q Is all the salt water being disposed into  
5 the same zone that the production's coming from?

6 A Yes, it is.

7 Q And what zone is that?

8 A That's the Yates, Lynch Yates Seven  
9 Rivers.

10 Q And is that a water drive reservoir?

11 A Yes, it is. It's got a bottom water drive.

12 Q Would you proceed with what's been marked  
13 as Exhibit Two, please?

14 A Exhibit Two are the tabulations of our  
15 wells within a half mile radius of investigation.

16 The first page is a tabulation of all the  
17 producing wells in this half mile radius.

18 Q And all those wells are Texaco wells with  
19 the exception of the Sabine location.

20 A Yes, they're all Texaco wells with the  
21 exception of Sabine Corporation's well.

22 Q And where is the Sabine Well located?

23 A It is located to the east of the subject  
24 well, approximately one-half mile to the east.

25 Q Would you proceed with what's been marked

1 Exhibit Two, which is a tabulation of plugged and abandoned  
2 wells?

3 A This tabulation indicates all the plugged  
4 and abandoned wells in the half mile radius of investiga-  
5 tion. There are ten wells which have been plugged and aban-  
6 doned.

7 Q And you've provided the information re-  
8 quired by the Division?

9 A Yes, I have.

10 Q Proceed, then with Exhibit Number Four,  
11 which is a well diagram of plugged and abandoned wells.

12 A This exhibit is all the plugged and aban-  
13 doned wells and gives a diagram or sketch of all the of the  
14 plugging and the wellbore diagram as it exists.

15 Q Have you provided a log of the subject  
16 well?

17 A Yes, I have.

18 Q The log which is marked Exhibit Five does  
19 not extend into the area in which you expect to dispose of  
20 the salt water, is that correct?

21 A No, it does not. This well was logged at  
22 TD, 3780.

23 We propose to deepen the well to 4000,  
24 and if necessary to 4200 feet to dispose of the water.

25 Q Now Exhibit Number Six, then is a water

1 analysis of the fresh water in the area?

2 A Uh-huh.

3 These are two fresh water wells, one to  
4 the north and one to the south of the subject wells.

5 Q And those are Exhibits Six and Seven?

6 And that's from the Ogallala, is that  
7 correct?

8 A That is correct.

9 Q Do you expect any communication of salt  
10 water into the fresh water zones?

11 A I do not.

12 Q Would you describe briefly what's been  
13 marked as Exhibit Eight for the proposed completion, recom-  
14 pletion of the well?

15 A This is a diagram or sketch of the sub-  
16 ject well. We propose to run a cement bond log to find the  
17 top of the cement behind the 5-1/2 inch casing which is the  
18 long string, or production string.

19 We'll then perforate above the top of  
20 cement and circulate cement behind the casing to the surface  
21 and then we will deepen the well to 4000, test the injection  
22 rate. If it is sufficiently, we'll stop there. If not, we  
23 propose to deepen the well to 4200 and complete it as a dis-  
24 posal well at that depth.

25 We'll be setting a packer at 3500. It

1 will be on 2-3/8ths plastic coated tubing, and that's about  
2 it.

3 Q How will you protect against corrosion?

4 A We will circulate to that back side or the  
5 annulus with inhibited water.

6 Q Have all the offset operators been noti-  
7 fied?

8 A Yes, they have.

9 Q And Exhibit Number Nine is a list of  
10 those operators, is that correct?

11 A Yes, it is.

12 Q Mr. Wehmeyer, will approval of the appli-  
13 cation in your opinion prevent waste, be in the best inter-  
14 est of conservation, and protect correlative rights?

15 A Yes, it will.

16 MR. BATEMAN: I have nothing  
17 further of this witness.

18 MR. STOGNER: Thank you, Mr.  
19 Bateman.

20

21 CROSS EXAMINATION

22

23 BY MR. STOGNER:

24 Q Mr. Wehmeyer, in Exhibit Number One you  
25 alluded to a Well No. 10 and a Well No. 11 that are present

1 ly injecting or have been injecting water.

2 Where are those wells located?

3 A Well No. 10 is Unit letter C in Section  
4 34, and Well No. 11 is in -- let me locate it here -- okay,  
5 Well No. 11 is in Unit letter -- in Unit letter G.

6 Q That's Section 34?

7 A In Section 34 also.

8 Q Let's go to your Exhibit Number Four and  
9 look at the two particular wells, one being Lea State No. 5  
10 and the other one being the Lea State No. 6.

11 A Okay.

12 Q Okay, the No. 5 I show perforations at  
13 3608 to 3732.

14 A Uh-huh.

15 Q But no bottom hole plug, and were these  
16 perforations squeezed?

17 A Not that I know of; there's no record of  
18 it.

19 Q And this well was plugged and abandoned  
20 in 1977, is that right?

21 A That is correct.

22 Q Okay, the Well No. 6, you show it to es-  
23 sentially have the same problem. The perforations weren't  
24 squeezed and there was not a bottom hole plug set.

25 A That is correct, according to the Commis-

1 mission records.

2 Q On your Exhibit Number Eight, that's the  
3 schematic of your injection well. When was that well drilled?  
4

5 A This well was drilled -- let me get the  
6 date here. Completion date was February 3rd, 1933.

7 Q And it was -- it is presently producing  
8 or temporarily abandoned or what is that?

9 A It is temporarily abandoned. There's a  
10 cast iron bridge plug set a 3508 at the present time.

11 The well is uneconomical to produce and  
12 it was temporarily abandoned.

13 Q Will Texaco be running an integrity test  
14 on the casing to see it's fit?

15 A Yes, we have done that when we set the  
16 cast iron bridge plug. The casing was tested to 500 pounds  
17 at that time prior to temporarily abandoning the well.

18 Q And when was that?

19 A That was March 23rd, 1984.

20 Q Does Texaco have very many producing  
21 wells in this general area?

22 A We have a -- the primary wells are in  
23 Section 34. We have -- that's the primary section that we  
24 own. There are some offsetting leases, if I recall.

25 Q Has Texaco experienced any excessive cor-

1   rosion out there?

2                   A           No, we have not.

3                   Q           You going to run 2-3/8ths inch casing in  
4 this -- I mean tubing in this hole?

5                   A           Yes. We'll set a packer and 2-3/8ths  
6 tubing, yes.

7                   Q           What is PK-75?

8                   A           That's a type of a brand of coating.  
9 It's an interval plastic coating.

10                  Q           And does Texaco wish to go with .2 psi  
11 per foot of depth maximum injection?

12                  A           That will be sufficient, yes.

13                  Q           Thank you.

14                               MR. STOGNER: I have no further  
15 questions of Mr. Wehmeyer.

16                               Mr. Bateman, anything further?

17                               MR. BATEMAN: Nothing further,  
18 thank you.

19                               MR. STOGNER: Does anybody else  
20 have any questions of Mr. Wehmeyer?

21                               MR. TAYLOR: Yeah, I have one  
22 question.

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## CROSS EXAMINATION

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BY MR. TAYLOR:

Q Is the Sabine well an offsetting well?

A Yes, it is. It's offsetting to the east.

Q Is it still producing?

A It is producing, yes.

Q Did you give them notice? On my Exhibit  
Nine I don't see them listed, or are they listed under  
somebody else?

A As far as I know they're -- I can't  
answer off the top of my head.

Q Because they appear to be within a half  
mile radius, I think you're going to have to give them  
notice and provide us with a copy or a certificate.

We can't find it.

A I don't see it, either. It's possible it  
may be --

Q Or just contact them and give us a waiver  
(not understood.).

MR. BATEMAN: Either an affida-  
vit or a waiver.

A Okay.

MR. BATEMAN: There's one thing  
further I neglected, if I might reopen?

MR. STOGNER: Please, Mr. Bate-

1 man.

2

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REDIRECT EXAMINATION

4

BY MR. BATEMAN:

5

Q Mr. Wehmeyer, were these exhibits

6

prepared by you or under your direction?

7

A Yes, they were.

8

MR. BATEMAN: I offer Exhibits

9

One through Nine, I think it was.

10

MR. STOGNER: Exhibits One

11

through Nine will be admitted into evidence.

12

MR. BATEMAN: Thank you.

13

MR. STOGNER: Are there any

14

other questions of Mr. Wehmeyer?

15

It not, he may be excused.

16

Mr. Bateman, anything further?

17

MR. BATEMAN: Nothing further.

18

Thank you.

19

MR. STOGNER: Does anybody else

20

have anything further in Case Number 8628?

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If not, this case will be left

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open pending the receipt of the waiver from Sabine

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Corporation.

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MR. BATEMAN: Thank you.

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C E R T I F I C A T E

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that the foregoing Transcript of Hearing before the Oil Conservation Division was reported by me; that the said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability.

Sally W. Boyd CSR

I do hereby certify that the foregoing is a true and correct transcript of the proceedings in the Oil Conservation Division Case No. 8628 heard by me on 19 June 19 85.

Michael Estep Examiner  
Oil Conservation Division

NEW MEXICO OIL CONSERVATION COMMISSION

EXAMINER HEARING

SANTA FE, NEW MEXICO

Hearing Date JUNE 18, 1985 Time: 8:00 A.M.

| NAME               | REPRESENTING                  | LOCATION      |
|--------------------|-------------------------------|---------------|
| Gary W. Foney      | Lynx Petroleum                | Hobbs         |
| Ken Bateman        | White Kuch Kelly + McCarty PA | Santa Fe N.M. |
| R.H. Kudrinski     | El Paso Natural Gas Co.       | El Paso TX.   |
| Karen Aubrey       | Kelladent + Kelladent         | Santa Fe      |
| TED C. DUFF        | UNION OIL OF CALIF.           | MIDLAND, TX   |
| JAMES Jennings     | Jennings + Chisley            | Roswell       |
| Ray Westall        | Ray Westall                   | Loco Hills    |
| JOHN F. NANCE      | EL PASO NATURAL GAS CO        | EL PASO, TX   |
| WILLIE MATTISON    | ARCO OIL + GAS CO.            | DENVER COLO   |
| BRITH McKEEL       | UNION OIL OF CALIF            | MIDLAND, TX   |
| John Roe           | DUGAN PRODCORP                | FARMINGTON    |
| Bob Stoual         | " "                           | Denver        |
| Mary Armstrong     | ARCO Oil + Gas                |               |
| Rodger D. Trimble  | ARCO Oil + Gas Co.            | Denver, CO    |
| Dan Zitter         | Cons. Engr                    | Santa Fe      |
| GARY KEIRII        | TEXACO                        | MIDLAND, TX   |
| Tim Hunt           | Texaco                        | Midland, TX   |
| DENNIS B. WETMEYER | TEXACO                        | HOBBS, NM     |

## NEW MEXICO OIL CONSERVATION COMMISSION

EXAMINER HEARINGSANTA FE, NEW MEXICOHearing Date JUNE 19, 1985 Time: 8:00 A.M.

| NAME                                      | REPRESENTING  | LOCATION                         |
|---|---|----------------------------------|
| Linda Hester<br>D. Lopez<br>Eddie Walgood | Union Oil Co. of Calif.<br>Lopez + Pearson<br>Yates Petroleum | Midland TX<br>Artesia<br>Artesia |