

3 IN THE MATTER OF THE HEARING CALLED
4 BY THE OIL CONSERVATION DIVISION FOR
5 THE PURPOSE OF CONSIDERING:

6 APPLICATION OF MESQUITE SWD, INC. CASE 15654
7 TO AMEND APPROVALS FOR SALT WATER
8 DISPOSAL WELLS IN LEA AND EDDY
9 COUNTIES, NEW MEXICO.

10 REPORTER'S TRANSCRIPT OF PROCEEDINGS

11 EXAMINER HEARING

12 March 30, 2017

13 Santa Fe, New Mexico

14 BEFORE: PHILLIP GOETZE, CHIEF EXAMINER
15 WILLIAM V. JONES, TECHNICAL EXAMINER
16 MICHAEL McMILLAN, TECHNICAL EXAMINER
17 DAVID K. BROOKS, LEGAL EXAMINER

18 This matter came on for hearing before the
19 New Mexico Oil Conservation Division, Phillip Goetze,
20 Chief Examiner, William V. Jones and Michael McMillan,
21 Technical Examiners, and David K. Brooks, Legal
22 Examiner, on Thursday, March 30, 2017, at the New Mexico
23 Energy, Minerals and Natural Resources Department,
24 Wendell Chino Building, 1220 South St. Francis Drive,
25 Porter Hall, Room 102, Santa Fe, New Mexico.

26 REPORTED BY: Mary C. Hankins, CCR, RPR
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1	INDEX	
2		PAGE
3	Case Number 15654 Called	4
4	Mesquite SWD, Inc.'s Case-in-Chief:	
5	Witnesses:	
6	Riley Neatherlin:	
7	Direct Examination by Ms. Bradfute	6
	Cross-Examination by Mr. Feldewert	22
8	Cross-Examination by Examiner Jones	24
	Cross-Examination by Examiner Goetze	40
9	Recross Examination by Examiner Jones	44
	Cross-Examination by Examiner McMillan	44
10	Direct Examination by Ms. Bradfute	
	(Witness recalled)	69
11		
12	Stephen Nave:	
13	Direct Examination by Ms. Bradfute	46
	Cross-Examination by Mr. Feldewert	63
14	Cross-Examination by Examiner Jones	64
	Cross-Examination by Examiner Goetze	68
15		
16	Proceedings Conclude	73
17	Certificate of Court Reporter	74
18		
19	EXHIBITS OFFERED AND ADMITTED	
20	Mesquite SWD, Inc. Exhibit Numbers 1 through 7	22
21	Mesquite SWD, Inc. Exhibit Numbers 7 through 12	64
22		
23		
24		
25		

1 (8:35 a.m.)

2 EXAMINER GOETZE: We'll return to the
3 regular docket. We will start off with Case 15654,
4 application of Mesquite SWD, Incorporated to amend
5 approvals for saltwater disposal wells in Lea and Eddy
6 Counties.

7 Call for appearances.

8 MS. BRADFUTE: Mr. Examiner, my name is
9 Jennifer Bradfute, and I'm here representing SWD, the
10 Applicant.

11 MR. FELDEWERT: May it please the
12 Examiners, Michael Feldewert, with the Santa Fe office
13 of Holland & Hart, appearing on behalf of Black River
14 Water Management Company.

15 EXAMINER GOETZE: Any other appearances?
16 Do we have witnesses?

17 MS. BRADFUTE: We do. I'm sorry. I just
18 want to make sure I'm getting everybody.

19 EXAMINER GOETZE: I know.

20 MS. BRADFUTE: Mr. Examiner, I have two
21 witnesses here today.

22 And this application has been filed on
23 behalf of Mesquite SWD in order to amend administrative
24 orders that were issued by the Division approving
25 several saltwater injection wells in Lea and Eddy

1 Counties. The only issue that Mesquite SWD seeks to
2 amend in this application is the size of tubing that's
3 allowed to be used within those wells. And we have two
4 witnesses who are with us today who will provide
5 testimony on those issues.

6 EXAMINER GOETZE: Mr. Feldewert, do you
7 have any witnesses?

8 MR. FELDEWERT: Mr. Examiner, I may have a
9 witness. At this point I don't anticipate calling a
10 witness.

11 EXAMINER GOETZE: Very good.

12 Would your witnesses stand, identify
13 themselves to the court reporter, and she'll swear them
14 in?

15 MS. BRADFUTE: Yes.

16 MR. NEATHERLIN: Riley Neatherlin.

17 MR. NAVE: Stephen Nave.

18 (Mr. Neatherlin and Mr. Nave sworn.)

19 MS. BRADFUTE: Mr. Neatherlin, if you could
20 please come up.

21 RILEY NEATHERLIN,
22 after having been first duly sworn under oath, was
23 questioned and testified as follows:
24
25

1 DIRECT EXAMINATION

2 BY MS. BRADFUTE:

3 Q. Could you please state your name for the
4 record?

5 A. Riley Neatherlin.

6 Q. And, Mr. Neatherlin, who do you work for and in
7 what capacity?

8 A. I work for Mesquite SWD as the operations
9 manager.

10 Q. And what are your responsibilities at Mesquite
11 SWD?

12 A. As operations manager, it's permitting wells,
13 casing designs, designing wells, overseeing drilling,
14 completions, recompletions. Anything regulatory with
15 the wells, pretty much I work.

16 Q. And with regards to drilling and completion and
17 casing design, that experience all pertains to the
18 drilling of saltwater disposal wells?

19 A. Yes, it has.

20 Q. And how many saltwater disposal wells have you
21 overseen drilling operations for?

22 A. Right around 25.

23 Q. And how many years have you worked at Mesquite?

24 A. Six now.

25 Q. Does your area of responsibility at Mesquite

1 SWD include the areas of Eddy and Lea Counties in
2 southeastern New Mexico?

3 A. Yes, it does.

4 Q. And are you familiar with the application
5 that's been filed by Mesquite SWD in this case?

6 A. Yes.

7 Q. And are you familiar with the saltwater
8 disposal wells which are the subject matter of this
9 application?

10 A. Yes.

11 MS. BRADFUTE: Mr. Examiner, I'd like to
12 tender the witness as an expert in drilling, completion,
13 permitting and casing design matters for saltwater
14 disposal wells.

15 MR. FELDEWERT: No objection.

16 EXAMINER GOETZE: Okay. He is so
17 qualified.

18 Q. (BY MS. BRADFUTE) Mr. Neatherlin, can you
19 please turn to what's been marked as Exhibit Number 1 in
20 the hearing notebook? And explain what this exhibit is
21 to the Hearing Examiners.

22 A. This is our application to amend the orders for
23 the approved injection wells that we have from 4-1/2 to
24 5-1/2 tubing.

25 Q. And within this application, does it list the

1 order numbers and the well names for each of the matters
2 that you're seeking an amendment in?

3 A. Yes, it does.

4 Q. And what specifically are you seeking to amend
5 in each of these orders?

6 A. We are seeking to amend the approval of 5-1/2
7 injection tubing as proposed to 4-1/2 injection tubing.

8 Q. And can you please turn to what's been marked
9 as Exhibit Number 2, which has several different tabs
10 behind it. It goes from A through H. And explain what
11 this exhibit is to the Hearing Examiner.

12 A. These are the approved orders for each of the
13 previously listed wells from the State for injection.

14 Q. And if you just turn to Tab A of this exhibit,
15 could you please point out to the Hearing Examiners what
16 specific language you would like to amend in the orders?

17 A. We are seeking to amend: Injection will incur
18 through internally coded 4-1/2 or smaller tubing.

19 Q. And is similar language included in each of the
20 orders included within this exhibit?

21 A. Yes, they are.

22 Q. So tubing which is 5-1/2 inches was not
23 authorized under the orders?

24 A. No, it wasn't.

25 Q. Historically, what size of tubing has Mesquite

1 used in its injection wells?

2 A. We use the largest diameter pipe that we can
3 use inside of the casing, anywhere from 2-7/8 to 5-1/2
4 depending on the wells.

5 Q. Does Mesquite have any saltwater disposal wells
6 currently that have a 4-1/2-inch tubing in the well?

7 A. Yes, we do.

8 Q. And why is Mesquite requesting to use a larger
9 size tubing in its wells in this application?

10 A. Why are we?

11 Q. Yes.

12 A. We're -- to maximize rate capacity for the
13 well, as well as lower the surface-injection pressure.

14 Q. Now, you've stated that the tubing is going to
15 be 5-1/2 inches. Can you please describe the other
16 specifications for the tubing to the Hearing Examiners?

17 A. Yeah. It's 5-1/2 20-pound casing internally
18 coated with glass reinforced epoxy. It's got a 5-1/2
19 body O.D. The collar O.D. is a 6.104, and the specific
20 tubing that we're using is a JFEBEAR thread, which is a
21 metal-to-metal seal connection. And that's about it for
22 the pipe.

23 Q. Okay. And what are the benefits of using a
24 5-1/2-inch tubing?

25 A. Again, it's going to allow us more rate. It's

1 going to allow us to dispose of more water with less
2 friction, less surface-injection pressure.

3 Q. And will it make the injection wells more
4 feasible?

5 A. It will. We'll be able to get more water down
6 into the injection zone. With these things being as
7 deep and as expensive as they are and as long as they
8 take to drill, we have to maximize the -- we can get
9 down these wells. It takes two months for us to drill
10 them. It's ungodly expensive, especially if something
11 goes wrong, and getting it down into the Devonian as
12 opposed to the shallower injection.

13 Q. If it becomes more feasible for you to use the
14 Devonian and more feasible through 5-1/2-inch tubing,
15 will that decrease the need for shallower injection
16 wells in the state?

17 A. It will. It will allow us to, again, dispose
18 of more water into the Devonian and reduce -- at
19 Mesquite, we would reduce our footprint into the shallow
20 injection.

21 Q. And to your knowledge more recently, have
22 operators within the state been objecting to the
23 shallower injection wells?

24 A. Yes, absolutely. They are wanting to move all
25 disposal to the deep Devonian wells and move out of the

1 shallow Delaware above production zones.

2 Q. And what size of tubing is commonly used in the
3 saltwater disposal well industry?

4 A. Again, it depends on the wellbore design, but
5 typically it's the largest diameter you can get inside
6 the casing.

7 Q. Is a typical size that can be used 3-1/2-inch
8 tubing inside of a 5-1/2-inch casing?

9 A. Yes, it is.

10 Q. Is another typical size that's used 2-7/8-inch
11 tubing inside of a 4-1/2-inch casing?

12 A. Yes, it is.

13 Q. And what are the clearances for those sizes of
14 tubing typically?

15 A. Four 3-1/2 inside of a 5-1/2 tubing. It's a --
16 off the top of my head, you have a .45 clearance on your
17 collar -- on your -- the O.D. of your collar, and then
18 on your body, you have a 1-inch clearance. And then on
19 the 2-7/8, you have a .44 clearance on your collar
20 inside of the 4-1/2 and a -- I forgot the body. But
21 it's -- I don't know off the top of my head.

22 Q. And are those clearances smaller than what
23 would be provided for if you used a 5-1/2-inch tubing?

24 A. Yes, they are. They're lesser clearance for
25 the 5-1/2 inside of the 5-7/8.

1 Q. And why is it beneficial to have a larger
2 clearance tolerance?

3 A. It allows more room for fishability and less
4 restriction.

5 Q. Have you discussed the use of 5-1/2-inch tubing
6 with the NMOCD District in Artesia?

7 A. Yes, we have.

8 Q. And what were the results of those
9 conversations?

10 A. I actually called up to verify a tapered
11 string -- running 5-1/2 and 4-1/2 tapered strings, and
12 the acting director asked why we were not running a
13 solid 5-inch string because he didn't see any reason to
14 not run it. And I told him of the issues that we had
15 had previously, that Santa Fe had said no on the 5-1/2
16 full string through the 7-5/8.

17 EXAMINER GOETZE: May I interrupt for a
18 moment? That was Director Catanach you talked to?

19 THE WITNESS: No. It was the acting
20 director of the Artesia District Office.

21 EXAMINER GOETZE: District supervisor?

22 THE WITNESS: Yes, sir.

23 EXAMINER GOETZE: Thank you.

24 MS. BRADFUTE: Thank you.

25 Q. (BY MS. BRADFUTE) And you stated before that

1 Mesquite had used 4-1/2-inch tubing in some of the
2 injection wells that it's currently using?

3 A. Yes.

4 Q. Does Mesquite operate any wells which contain a
5 5-1/2-inch tubing?

6 A. Yes. We do have some.

7 Q. And are any of those located within New Mexico?

8 A. Yes, the Vaca Draw well in Eddy County.

9 Q. Okay.

10 A. Or Lea County. Sorry.

11 Q. Lea County.

12 And does it operate any injection wells
13 with 5-1/2-inch tubing in Texas?

14 A. Yes. We have a few shallow wells with 5-1/2
15 tubing in it as well.

16 Q. And was the tubing that was used in the Vaca
17 Draw saltwater disposal well approved by the Division?

18 A. Yes, it was.

19 Q. And did increasing the size of tubing in that
20 well help with friction loss?

21 A. Yes, it did.

22 Q. And can you explain a little bit more to the
23 Hearing Examiners why that is?

24 A. Simple layman's terms is you can -- because of
25 the greater ID, you can get more water flow through it

1 at a lower pressure. It's like trying to blow water
2 through a straw as opposed to a garden hose. You're
3 going to be able to get a lot more water through at a
4 lower pressure.

5 Q. And after obtaining approval to use the
6 5-1/2-inch tubing for the Vaca Draw well, did Mesquite
7 order additional 5-1/2-inch tubing to use in other
8 wells?

9 A. Yes, we did. After we got approved for that
10 order, we thought we had proven it across the board and
11 went ahead and ordered pipe for subsequent wells coming
12 up.

13 Q. Approximately how much tubing has been order?

14 A. We have about 80,000 feet of 5-1/2 ordered.

15 Q. Are there wells currently on Mesquite's
16 drilling schedule that you'll need to use this
17 5-1/2-inch tubing for?

18 A. Yes.

19 Q. And when are those wells scheduled to be
20 drilled?

21 A. One of them is being drilled right now, and the
22 other two will follow immediately after.

23 Q. And will Mesquite need an expedited order from
24 the Division in order to meet this drilling schedule?

25 A. Yes.

1 Q. Can you please turn to Exhibit Number 3 in the
2 notebook in front of you and explain what this is to the
3 Hearing Examiners?

4 A. This was our initial step-rate test that we did
5 on the Vaca Draw well. It's got a very basic rundown of
6 the bottom-hole pressure during the step-rate test,
7 starting with the static pressure, going all the way up
8 to 28 barrels a minute and then stepping down and
9 recording those pressures. And then there are the
10 pressure versus rate charts on the step-up, and then the
11 step-down as well, and then a pressure log graph to go
12 along with that, again, with the step-up and step-down
13 as they were charted.

14 Q. And can you point out to the Hearing Examiners
15 what benefits you observed from this analysis from using
16 a 5-1/2-inch tubing?

17 A. What we were able to observe is that we were
18 able to get up to 28 barrels a minute still under our
19 allowable injection pressure and not see a frac gradient
20 on the formation. We would have gone higher had we been
21 able to get to a frac point, but there was no -- no frac
22 point witnessed on the formation at those rates with
23 those pressures with the 5-1/2 tubing.

24 Q. And is the Vaca Draw saltwater disposal well
25 similar to other wells which are the subject matter of

1 this application?

2 A. Yes. Structurally, they're similar in casing
3 design and injection intervals.

4 Q. And what formation is the Vaca Draw well
5 drilled for injection purposes?

6 A. Devonian Shale [sic].

7 Q. And are all of the wells which are the subject
8 matter of this application also Devonian injection
9 wells?

10 A. Yes, they are.

11 Q. And can you please turn to what's been marked
12 as Exhibit Number 4 in the notebook and explain what
13 this is to the Hearing Examiners?

14 A. This is, again, step-rate test data. This has
15 the surface pressure and bottom-hole pressure, as well
16 as rates and times all put together on one page, and
17 then charted on our step-ups, as well our step rate
18 down.

19 Q. Could you please turn to what's been marked as
20 Exhibit Number 5 in the notebook and explain what this
21 document is?

22 A. This is the surface -- surface-injection
23 pressure and rates charted from the pump trucks that we
24 were using, as well as the pump schedule during the
25 step-rate test.

1 Q. And is Mesquite asking the Division to make any
2 changes to the maximum pressures that are authorized in
3 the administrative orders?

4 A. No. The pressures are not what we're seeking.
5 We're seeking the change in pipe diameter.

6 Q. I'd like to ask you some basic information
7 about Mesquite's saltwater disposal wells. Is the
8 tubing placed inside of a cement casing?

9 A. Yes, it is.

10 Q. And is a packer run into each well?

11 A. Yes.

12 Q. And approximately where is the packer located?

13 A. Have to set the packer within 100 feet of the
14 top injection interval.

15 Q. And after running the packer into the well, is
16 packer fluid circulated through the tubing and back up
17 the annular space to the surface before it's set?

18 A. Yes.

19 Q. And after the packer is set, is a mechanical
20 integrity test usually conducted?

21 A. Yes. Every time it's conducted before
22 injection starts and witnessed and charted and recorded
23 and filed with the OCD.

24 Q. Okay. And what is the size of the annulus that
25 will be used in the wells?

1 A. In this particular one, it's -- the ID of the
2 7-5/8 is a 6.625, a 6-5/8, and it gives you an
3 inch-and-an-eighth -- inch-and-an-eighth clearance on
4 the -- an inch-and-an-eighth or inch-and-sixteenth
5 clearance on the body from the annulus of the -- for the
6 ID of the 7-5/8.

7 Q. And would that annulus between the tubing and
8 the casing be adequate?

9 A. Yes.

10 Q. I realize that we do have another witness here,
11 Mr. Nave, who is going to testify about the different
12 fishability procedures and fishing procedures that can
13 be used when there is a tubing failure, but I also
14 wanted to ask you some questions about Mesquite's
15 experience in operating saltwater disposal wells.

16 Approximately how much different disposal
17 wells does Mesquite currently have in operation in
18 New Mexico?

19 A. About 15.

20 Q. And are you aware of any situations in which
21 Mesquite has needed to fish out tube that has broken in
22 the wellbore?

23 A. No. We have not had to fish out any tubing
24 from a failure.

25 Q. And what precautions does Mesquite take to help

1 ensure that tubing will not break off or have a failure?

2 A. Daily, our pumpers are checking the back side
3 pressures of our wells. We have gauges on them, and
4 they also open the back side of the wells to make sure
5 there is no pressure communicating between the tubing
6 and the casing.

7 Yearly, witnessed by the OCD, we have to do
8 a Bradenhead test to make sure none of our casing is
9 communicating, as well as MIT tests, again charted and
10 recorded, witnessed by the State.

11 Q. And does Mesquite have a procedure in place to
12 ensure that it can properly plug and abandon wells in
13 the event there is a tubing failure?

14 A. In the event, we would get with the governing
15 body, be it the BLM and/or State, OCD, to get a
16 procedure in place to plug and abandon a well.

17 Q. And could you turn to what's been marked as
18 Exhibit Number 7 in the green notebook? And just
19 briefly explain what this is to the Hearing Examiners.

20 A. This is the --

21 Q. Actually, if you turn one more to Exhibit
22 Number 7.

23 A. Oh, I'm on 6.

24 Q. Yeah.

25 A. This is a brief summary of the specs for the

1 5-1/2 tubing, as well as the 7-5/8, liner with
2 clearances, dimensions. It has a brief very general
3 procedure for fishing, your overshot, spearfishing, and
4 a general abandonment and plugging procedure, and then
5 as well as it's got clearances and tolerances for 3-1/2
6 inside of 5-1/2 casing, as well as 2-7/8 inside of 4-1/2
7 casing.

8 Q. And is this a document that you have created?

9 A. Yes.

10 Q. And in creating this document, have you worked
11 with Steve Nave, who is a fishing contractor that
12 Mesquite uses?

13 A. Yes. Going over this, again, these are very
14 basic, general fishing procedures and how to go through
15 on those.

16 Q. All right. And does Mesquite have a company
17 that it can contract with in the event there is a tubing
18 failure that needs to be addressed in the well?

19 A. Yes. We have Steve with Nave Oil and Gas that
20 is readily available and has tools and the necessary
21 knowledge base to fish out whatever we need to.

22 Q. But, again, Mesquite has actually not ever had
23 an incident in the past where they needed to fish out a
24 broken tube?

25 A. No. On our -- no. We've not had to fish out

1 injection tubing for a tubing failure.

2 Q. Can you please turn to what's been marked as
3 Exhibit Number 6 in the hearing notebook? And this
4 exhibit is the notice exhibit, which I prepared. In
5 this exhibit, since there are several different
6 administrative applications, I've included a list by
7 well which states the different parties who were given
8 notice for each administrative application. We did mail
9 notice via certified mailing to everybody who received
10 notice of the original administrative applications, and
11 then we also added EOG because Yates and some of the
12 Yates entities were listed as parties who would obtain
13 notice.

14 MS. BRADFUTE: There was one green card
15 that was returned for one of the wells that was located
16 in Eddy County and another green -- another person or
17 entity who did not receive -- we didn't receive a green
18 card back for and their interests were also located in
19 Eddy County. We published notice on March 16th, which
20 was a Thursday, in the Carlsbad newspaper, and an
21 Affidavit of Publication is located as the last page of
22 this exhibit.

23 Q. (BY MS. BRADFUTE) Mr. Neatherlin, were Exhibits
24 1 through 7 prepared by you or under your supervision or
25 compiled from company business records?

1 A. Yes.

2 Q. And is the granting of this application in the
3 interest of conservation and the prevention of waste?

4 A. Yes, it is.

5 MS. BRADFUTE: I'd like to move that
6 Exhibits 1 through 7 be admitted into the record.

7 MR. FELDEWERT: No objection.

8 EXAMINER GOETZE: Okay. Exhibits 1 through
9 7 are so entered.

10 (Mesquite SWD, Inc. Exhibit Numbers 1
11 through 7 are offered and admitted into
12 evidence.)

13 MS. BRADFUTE: And that's the questions
14 that I have for this witness.

15 EXAMINER GOETZE: Very good.

16 Mr. Brooks, I'll make you go first.

17 EXAMINER BROOKS: I have no questions.

18 EXAMINER GOETZE: There we go.

19 EXAMINER JONES: Mr. Feldewert?

20 CROSS-EXAMINATION

21 BY MR. FELDEWERT:

22 Q. Mr. Neatherlin, as I understand it that by
23 increasing the tubing size from 4-1/2 to 5-1/2 inches,
24 you decrease the pressure -- or the friction loss,
25 correct?

1 A. Yes.

2 Q. Which then allows you see to dispose of more
3 volume?

4 A. Yes.

5 Q. Without -- and dispose of more volume without
6 exceeding the surface-injection pressure or the
7 bottom-hole injection pressure that the Division has
8 determined necessary to protect the formation?

9 A. Yes.

10 Q. Okay. And there are -- are there any concerns
11 that arise with respect to the formation by injecting
12 additional volumes?

13 A. No. As we saw in the step-rate test, on that
14 bottom-hole pressure, we didn't even -- we didn't get
15 close to a frac point, and that's at the allotted point
16 to -- psi per foot that's issued by the State.

17 Q. And so in your opinion, this would be a prudent
18 move for both the company and other operators that are
19 disposing into the Devonian?

20 A. Yes.

21 MR. FELDEWERT: That's all the questions I
22 have.

23 EXAMINER GOETZE: Back to the Examiners.

24

25

1 CROSS-EXAMINATION

2 BY EXAMINER JONES:

3 Q. Thanks for coming, Mr. Neatherlin.

4 EXAMINER JONES: You've got another
5 witness; is that correct?

6 MS. BRADFUTE: Yes, we do.

7 EXAMINER GOETZE: The witness is going to
8 address what issues?

9 MS. BRADFUTE: He's going to be addressing
10 the fishing issues.

11 EXAMINER GOETZE: Okay.

12 Q. (BY EXAMINER JONES) Well, then, so we're
13 talking about four or five wells here; is that right?

14 A. Six wells or -- we have about nine permits, I
15 believe.

16 Q. Basically, you're addressing specific wells
17 here? You're not asking for relief on any other besides
18 what you're talking about here; is that correct?

19 MS. BRADFUTE: The application is to amend
20 these eight wells here that are listed in the
21 application.

22 EXAMINER GOETZE: Right.

23 Q. (BY EXAMINER JONES) And the wells that you've
24 got now, are they tapered casing? In other words,
25 you've got 9-5/8 and 7-5/8 in all of these wells?

1 A. The design is for that, yes.

2 Q. Okay. So these are proposed wells to be
3 drilled, then?

4 A. Yes.

5 Q. Okay. So none of these have actually been --
6 are actually drilled?

7 A. Of the list, the Cypress is currently being
8 drilled. The Scott is currently being drilled at this
9 time.

10 Q. Two rigs going right now?

11 A. Yes.

12 Q. And the rest of them are just proposed wells.

13 So you're -- I guess we could go back to --
14 how much rate are you going to go down these wells, or
15 do you propose to go down these wells?

16 A. We're going to get as much as the formation
17 will allow us to take under the allowable injection
18 pressure.

19 Q. Okay. So how many operators will you be taking
20 fluid from?

21 A. As many as we can. One thing we have been
22 noticing is the amount of water that operators are
23 producing. One of these Devonian wells taking 40,000
24 barrels a day will service about four sections and
25 that's it.

1 Q. Okay. Okay. So you're affecting four
2 sections, and if something happens to your well, it will
3 affect production in those four sections at least until
4 they can come up with another disposal?

5 A. Uh-huh. Yes.

6 Q. Okay. So we're going to talk about fishing
7 later, I guess.

8 So the wells that you're putting in, are
9 you anticipating any deviations in these wells as you go
10 down?

11 A. No. We don't anticipate any.

12 Q. So you're hoping to get a straight hole --

13 A. Yes.

14 Q. -- and be able to run pipe without kinks in
15 your pipe or problems running your tubing also?

16 A. Yes.

17 Q. So have you had any trouble so far getting your
18 tubing in the hole?

19 A. No.

20 Q. But so far you've been running tubing with --
21 you haven't run any 5-1/2 except on the Vaca Draw; is
22 that correct?

23 A. On the Vaca Draw, which was sidetracked.

24 Q. It was sidetracked?

25 A. Yes.

1 Q. Did you have trouble going down?

2 A. Not at all.

3 Q. Was that -- did that have any DV tools in it,
4 in the casing in that one?

5 A. In the 7-5/8, yes. It was a re-entry that we
6 ran the 7-5/8. And the OCD came back and said if we ran
7 7-5/8 to the surface, they would allow it for the 5-1/2.

8 Q. And you got in the hole okay.

9 You didn't have to go in and address the
10 casing at all with a bit before you got down with your
11 tubing?

12 A. No, sir.

13 Q. And what about the cement design on the wells
14 that you're proposing? Is it to completely cover casing
15 with cement?

16 A. Yes. In every order that we receive from the
17 OCD as a disposal well, we must circulate cement to
18 surface on our upper strings, as well -- and then our
19 liner, we must circulate cement and seal off that liner
20 and run the cement bond log to verify that we have
21 bonded pipe behind -- we have bonded pipe throughout the
22 well.

23 Q. Okay. So your cement design is for
24 circulation, but if you didn't get circulation, would
25 you still want to run the real tight tubing in?

1 A. If we did not get circulation, the OCD would
2 make us go back and seal that off.

3 Q. Okay. But we all know that there are problems
4 sometimes with shooting holes in your pipe, and you may
5 not get much of a squeeze anyway, and you're endangering
6 your pipe by doing that. So you may end up with a
7 situation where you don't have cement -- total cement
8 coverage. But you still wouldn't want to go with the
9 5-1/2 in that 7-5/8?

10 A. Yes. The size of injection tubing is not going
11 to affect the integrity of the casing.

12 Q. Okay. The plugging procedures that are
13 required are inside, outside plugs, so if there is an
14 issue with no cement on the outside, then -- and if you
15 twist off uphole and you can't fish it, well, you might
16 have a problem properly plugging the well. That's one
17 of the issues that we're looking at.

18 A. With -- the benefit with the 5-1/2 is you can
19 actually go in with a 2-7/8 workstring and go inside of
20 it. You can use 2-3/8 workstring, traditional tubing.
21 You can run coil tubing and go in, and then you'd be
22 able to go to the bottom of the 5-1/2. And you can
23 either cut it, you can perforate it, and then you would
24 be able to pump cement down the 5-1/2, out the
25 perforation holes and completely seal off the liner, as

1 well as the inside of the 5-1/2 tubing.

2 Q. Okay. Your 5-1/2 that's plastic coating, what
3 is the ID of the --

4 A. The minimum ID is a 4.2 -- 26 -- yeah. That's
5 the flare ID and in the collar.

6 Q. Okay. But after it's plastic-coated?

7 A. That's the flare ID of the -- that's the ID of
8 the plastic coating. That's the smallest ID.

9 Q. So you could get a perforating gun inside it?

10 A. Oh, yes, absolutely.

11 Q. 3-1/2 perforating gun --

12 A. Yes.

13 Q. -- inside it?

14 Do you have any idea of your friction
15 factor on your 5-1/2 plastic-coated tubing?

16 A. I do not, not an actual factor. I do not.

17 Q. As far as that goes, would you have an idea of
18 the friction factor of 4-1/2-inch plastic-coated tubing?

19 A. No, sir.

20 Q. Have you run any comparisons of the rate you
21 could get down 4-1/2 versus 5-1/2?

22 A. Yes, we did.

23 And I was hoping to have a step rate done
24 on the 4-1/2 with the bottom-hole sensor, but we had
25 some issues with service companies, and we weren't able

1 to get it done before then. But we did do a
2 surface-injection test on another well that we have,
3 4-1/2. That's a Devonian well. And we were only able
4 to get up to about 23-, 24,000 barrels a day at 3,200
5 pounds. And that was after acid stimulation. And then,
6 you know, on the Vaca Draw well, before acid stimulation
7 with 5-1/2 tubing, we were able to get up to about
8 40,000 barrels a day at 3,400 pounds.

9 Q. This the same well you're talking about?

10 A. No. These are two different wells. One has
11 full string of 4-1/2, and the Vaca Draw has the 5-1/2
12 tubing in it.

13 Q. Okay. If you had a program that you could
14 actually calculate the flow rate, assuming your
15 formation is exactly the same, you could give us plots
16 of this; could you not?

17 A. Yes.

18 Q. Okay. We may be asking for that.

19 A. And we're still going to go ahead and do the
20 step-rate test, so we will have that information
21 available in the near future.

22 Q. That's actual empirical data that your -- your
23 actual calculations that you could do. If you had a
24 Nodal Analysis Program, you could actually run your
25 analysis on 4-1/2 --

1 A. Uh-huh.

2 Q. -- tapered string with 4-1/2 at a mile -- for
3 the bottom mile of your well and bigger casing -- or
4 bigger tubing on the upper part above your well, and
5 then you could compare them to see -- because we hear
6 you saying this and it makes all kinds of sense,
7 except -- you know, we're not talking about fishing yet.
8 But we don't -- we do not see any actual numbers.
9 You're not presenting in this case to show what the
10 difference is between constricting your tubing versus
11 opening it up another -- another inch or so.

12 A. Well, you know, like the example I gave
13 earlier, you can blow a lot more water through water
14 hose than you can through a straw.

15 Q. That makes sense. It does make sense.

16 Do you have any idea of the capacity of
17 your Devonian, first of all, Formation?

18 A. The reservoir capacity?

19 Q. Right.

20 A. No. Being relatively new injection for the
21 area, it's still --

22 Q. Let's say an estimate on the absolute maximum
23 Devonian capacity, what would you guess?

24 A. I couldn't guess without knowing fracture
25 structures and how long and how connected they are and

1 complete permeability.

2 Q. It could be really good, or it could be tight,
3 possibly?

4 A. It could be tight.

5 Q. Most of the time it's not, though?

6 A. Most of the time, it's not.

7 Q. So let's say you got your -- you know your
8 Devonian is capable of, let's say, 30,000 barrels a day.
9 Well, then you could run your designs, and you could
10 show us the difference between running the 4-1/2 and
11 versus your 5-1/2 --

12 A. Uh-huh.

13 Q. -- and then you could let us know.

14 MS. BRADFUTE: Well, they don't have a
15 Nodal Analysis Program; Mesquite does not. They can
16 provide the step test for the wells that they have the
17 4-1/2 inch.

18 EXAMINER JONES: There are engineering
19 firms that have these things, so it's just a question of
20 asking around.

21 MS. BRADFUTE: Uh-huh.

22 EXAMINER GOETZE: It would go a ways, yes.

23 Q. (BY EXAMINER JONES) What about your handling of
24 the waters on the surface -- you put big tank batteries
25 out there --

1 A. Yes. All of our tank batteries are designed
2 for disposals. We -- as opposed to doing a surface
3 installation, we recess all of our bits about 6 feet so
4 that we can more than hold the maximum capacity of our
5 tanks instead of having, you know, a traditional 1- or
6 2-foot firewall, just because we have large capacity at
7 our tank batteries.

8 Q. Do you have a -- is that containment lined?

9 A. Yes. It's lined with a polyurea spray and
10 liner.

11 Q. Okay. So you would set tankage out there
12 proportional to what contracts you get for the disposal?

13 A. Yes. Our batteries are pretty standard as far
14 as how we set them up, the capacities, and base them off
15 of our -- how much water we're going to move through
16 that well.

17 Q. Okay. But do your wells -- being commercial
18 disposals, do they -- they surge the wells? Is that one
19 of the reasons you need capacity on your tubing is
20 because you're going to have to at times surge your well
21 with more rate than you would if it was a lease disposal
22 well and if you had flowlines coming in and
23 post-production?

24 A. It's not really so much of a surge because
25 actually what we're seeing is the projection from

1 operators on their water production is a slope. And
2 then what actually comes out is more of a steep step-up.
3 So it's actually -- what we're seeing is it's a very
4 constant rate of -- pretty much maxing out our rate that
5 we can get through that well every day.

6 Q. Okay. Okay. So how do you handle your scaling
7 issues?

8 A. All of that's done with a chemical treatment on
9 the surface facilities, or, you know, when we take
10 custody of the water from the operator, whether it ties
11 into our pipelines or whether it's trucked into some of
12 our facilities.

13 Q. Okay. So you contract with a scaling company?

14 A. Yes. We have a chemical company that we use.
15 We're doing chemical tests or water analysis tests two
16 to three times a month and adjusting our chemicals as
17 needed to keep scale and bacteria and anything else that
18 may arise under control.

19 Q. And your acute corrosion, do you use coupons to
20 measure your corrosion? In other words, your
21 corrosion -- your corrosion scaling company, they
22 actually take care of corrosion and scaling at the same
23 time; is that right?

24 A. Yes.

25 Q. Okay. And what about filters for your wells?

1 Do you believe in filters? Some people seem to not
2 believe in filters.

3 A. Oh, yes, absolutely. We have -- on our
4 facilities where we have truck-and-load stations, we
5 have screen pots that have an 1/8-inch perforated screen
6 to catch anything larger than an 1/8 of an inch so that
7 it doesn't go through our transfer pumps on facility --
8 or through the battery.

9 And before it gets to our injection pumps,
10 we have filter screens -- or filter pots that have a bag
11 filter that -- I believe it's a 20-micron filter that
12 pulls anything greater than that out before it hits our
13 injection pump and goes downhole.

14 Q. Okay. And what do you do with the filters
15 after you are done with them?

16 A. Throw them away.

17 Q. Where do you put them?

18 A. In a receptacle.

19 Q. Okay. So you dispose of them somehow?

20 A. Yes.

21 Q. So the faster you inject in these wells, the
22 more fines you're putting into them; is that correct? I
23 mean, even if you filter it, if you don't have -- it
24 depends on the design of your tankage, but you might be
25 carrying over more and more fines into your wells the

1 faster you put --

2 A. Our batteries are not designed for maximum
3 retention so that we're -- and actually what we have is
4 a desander. So all of the water that first comes into
5 our facility runs through a desander. It knocks it out,
6 and then it goes through the filtration steps. And,
7 again, it has that retention time from the desander to
8 the gun barrels to the injection tanks before it's
9 actually hitting the pump. We're not -- we're not
10 carrying over a lot of fines. Our TDS is minimal.

11 Q. How often do you backflow these wells?

12 A. Honestly, we haven't had to backflow many of
13 our wells.

14 Q. So you've got a good rate and not --

15 A. Good rate, and we're not seeing pressure
16 increases. We're not seeing decrease in rate. And a
17 lot these wells have been in operation for five or six
18 years now.

19 Q. How often do you check the TD on your well?

20 A. It depends. If we need to go in and do
21 remedial work, it's then, but we try not to go in and do
22 anything unnecessary to the inside of the well just as a
23 precautionary message -- or precautionary method, so
24 we're not jeopardizing the integrity of the lining or
25 risk going in and getting a tool hung up and then have

1 to go in and do more work to the well, so on an
2 as-needed basis.

3 Q. Do you have a way to go in and test the
4 pressure -- pressure test your tubing inside of the --

5 A. Yes. All of our packers, we run a seal nipple
6 in it and run a nipple on the top of the packer, test
7 the tubing from the bottom of the tube to the top of the
8 wellhead.

9 Q. Okay. So is the ability to put in 5-1/2
10 tubing, especially if you have adequate casing size on
11 the outside -- is that giving you more capability to
12 actually check on your well often -- more often, and go
13 in and maybe clean your well out if you had to?

14 A. It actually does. Again, because it is a 5-1/2
15 casing, your ID is so much bigger as opposed to the
16 3-1/2 or 4-1/2 tubing that you -- there are so many more
17 tools available because it is actually casing, you know,
18 that they are running in production wells. So the
19 amount of tools available to go in and do these is way
20 larger than what you would have for your smaller ID
21 tubings.

22 Q. Okay. So that's a good thing?

23 A. Yes.

24 Q. And if you had to go a little bit bigger than
25 7-5/8, what would be the next size up with your casing?

1 A. The next size up would be an 8-5/8 casing.

2 Q. Cost you more to drill?

3 A. Yes, exponentially, 30 percent more.

4 Q. But if you lose your well, you've lost a huge
5 investment also?

6 A. (Indicating.)

7 Q. So far you haven't. But you've got 15 wells,
8 and you haven't had --

9 A. Uh-huh.

10 Q. How long have these wells been operating?

11 A. The ones that --

12 Q. The Devonian wells.

13 A. The Devonian wells, the -- we have our Military
14 well, which was brought on line in November, and our --
15 you know, moving from the Delaware, shallow injection,
16 to the Devonian. That's the new one that we have
17 operating the longest. And then we have the Big Eddy
18 SWD #1 that's been in operation for about five years now
19 with no troubles in it as far as tubular failure.

20 Q. You haven't had to have any pressure increases
21 or step rate --

22 A. No, not on those wells. We're not trying to
23 increase the pressure. I mean, 3,500 pounds, 3,489,
24 that's a lot of surface pressure. We don't want to be
25 operating at that. We want to keep our pressures as

1 minimal as possible and put away as much water as we
2 can.

3 Q. Okay. So your pumps tube at -- your pumps,
4 what do you have out there for pumps?

5 A. We will have two H pumps, and they're designed
6 for maximum allowable pressure, as well as maximum rate,
7 the maximum rate that we can get for that pressure.
8 They're run on a VFD, variable frequency drive, so they
9 automatically speed up and slow down. If the well
10 starts pressuring up, it automatically slows the pump
11 down to regulate that pressure, or we can -- we can set
12 it to, you know, whatever range we want it to operate in
13 so that it stays below that pressure.

14 Q. Are those positive displacement pumps?

15 A. No. They're H pumps, so it's a centrifugal
16 pump with multiple stages of a diffuser and turbines.

17 The positive displacement pump you're
18 talking about is a PD pump, an injection pump, a triplex
19 or a quintuplex. We don't -- we won't use those on the
20 Devonian wells because you can't get the rate with the
21 pressure. We do have those in operation on our
22 shallower Delaware wells, and they are also run on a VFD
23 and pressure sensor.

24 Q. Do you have a SCADA System or a continuous
25 chart?

1 A. Yes. All of our facilities are fully
2 automated. So there is a SCADA. So we're tracking
3 pressures. We're tracking rates. We're tracking VFD
4 output. Any factor that we can track on that pump, we
5 would exclude it.

6 Q. Okay. I don't have any more questions.

7 EXAMINER GOETZE: Mr. McMillan?

8 EXAMINER McMILLAN: I'll just let you go
9 ahead.

10 EXAMINER GOETZE: All right.

11 CROSS-EXAMINATION

12 BY EXAMINER GOETZ:

13 Q. Let's start off with a discussion about the
14 Vaca Draw. And to make it very clear, I participated
15 with you in this final design, along with Maxey Brown,
16 the district supervisor from the Hobbs District. There
17 we made you change the design to bring the 7-5/8 to
18 surface.

19 And with that, the other wells that you are
20 considering for changing, are those designs going to be,
21 what, through the Woodford? Are they going to be at the
22 bottom section of this limited liner hung from
23 intermediate casing?

24 A. Yes, from the top of the Wolfcamp to the top of
25 the Devonian.

1 Q. Okay. So we're through the Wolfcamp?

2 A. Yes.

3 Q. You had stated that you had 5-1/2-inch tubing
4 in wells in Texas, that they were shallow. What depths
5 are you looking at there?

6 A. 7,500 feet. 5,000 to 7,500 feet.

7 Q. Putting into where roughly? Any Permian?
8 Below Permian? Woodford?

9 A. It's Delmar, Fort West [phonetic].

10 Q. Okay. That portion of the Basin?

11 A. Delaware, basically.

12 Q. Now, with volumes, saltwater disposal wells do
13 not have any correlative rights and, therefore, spacing
14 of them is, at best, a decision made by the Applicant.

15 A. Uh-huh.

16 Q. We have here a volume which has, in other
17 states, indicated issues later on in reservoir
18 situations, and I'm speaking primarily of induced
19 seismicity. How are we going to, as a Division, limit
20 the injection at high volumes? And what happens with
21 further assessment of reservoir through the life of the
22 well? The tendency is we don't see these wells going
23 away until we start to fracture the formation, and then
24 we start to see issues. Our ability as an oversight of
25 the UIC Program, these wells will have a large area of

1 radius of influence.

2 A. Uh-huh.

3 Q. How are we going to make an estimate on what
4 happens with those wells? With these -- if we increase
5 the volumes, is there anything that you have in your
6 experience that we can stand back and say this is no
7 more, we can't tolerate this much volume going in until
8 an event happens, or are we going to look at providing
9 some sort of alternative?

10 A. So --

11 Q. Is Mesquite looking at having multiple? And
12 when they do, are they looking in the area outside the
13 AOR to see what influences they may have? And if you
14 don't --

15 A. I mean, I'm kind of -- are you asking how are
16 we going to go forward working with spacing on the wells
17 to keep from communication?

18 Q. We have had a history in the past where the
19 piling up of wells in close proximity has resulted in
20 the --

21 A. I think that goes back to the OCD on spacing
22 and allowing permitting within certain areas.

23 Q. Okay. We'll leave it at that.

24 With regards to Exhibit 3, if you could
25 provide -- I have no times for each of the steps, if you

1 could provide that information.

2 A. If you go back to --

3 MS. BRADFUTE: Exhibit 4.

4 THE WITNESS: 4 and 5 have the times.

5 Q. (BY EXAMINER GOETZE) Yes, they do. So we're
6 not --

7 A. And, actually, 4 has it all together. It has
8 the rates, the time, the bottom-hole pressure and the
9 surface pressure all right next to each other.

10 Q. Yes. That's very good.

11 So this is just for discussion? Okay? So
12 I can't use this as a step-rate test?

13 A. Oh, no. It was an actual step-rate test that
14 was done with bottom-hole pressure sensors. This was --

15 Q. Okay. So this is the result --

16 A. This is the Vaca Draw. This is the post test
17 that we did. We actually did a post test before we did
18 stimulation so that we could actually see how much
19 benefit our stimulation is doing, so we have a baseline
20 going forward. And we will actually be doing our post
21 step-rate test on Monday to see what -- what and how
22 good we did on our stimulation of the well.

23 Q. And what type of stimulation did you do?

24 A. It was an acid job.

25 EXAMINER GOETZE: At this point those are

1 the only questions of this witness.

2 RE CROSS EXAMINATION

3 BY EXAMINER JONES:

4 Q. Are you going to do a follow-up after your
5 step-rate test to see what --

6 A. Yes, we will. Get an ISAP and then do a
7 follow-up.

8 Q. And analyze it?

9 A. Yes. It'll be both with surface and
10 bottom-hole pressure.

11 EXAMINER GOETZE: And provide it?

12 THE WITNESS: Yes. We're going to do that.
13 And then we'll go back and do -- we'll actually go and
14 do that because the 4-1/2 well, too -- the one we have
15 4-1/2 tubing in, and, oh, I'd say here by the end of the
16 month, I should be able to get another one that will
17 actually be a tapered string. I have two of them with
18 the tapered string.

19 EXAMINER GOETZE: Mr. McMillan?

20 CROSS-EXAMINATION

21 BY EXAMINER McMILLAN:

22 Q. I guess my only question, essentially, is going
23 to Exhibit 7. Is -- on 7-5/8 -- so essentially the
24 drift is going to be 6.64-something? Is that what this
25 is saying? So my question is what will be the drift for

1 the 7-5/8 using this?

2 A. The drift is a 6-1/2, API drift. That was
3 taken under -- that's what we're drilling out with is a
4 6-1/2 bit. But, you know, when we run our packer and
5 our gauge ring, it's 6.625. So we make sure we can get
6 it down and set it with a wireline.

7 Q. Okay.

8 EXAMINER GOETZE: I believe we're done with
9 this witness.

10 Thank you very much.

11 EXAMINER JONES: Thanks for coming.

12 EXAMINER McMILLAN: Thank you.

13 MS. BRADFUTE: I'd like to call my next
14 witness.

15 EXAMINER BROOKS: Can we have a break?

16 EXAMINER GOETZE: My lawyer wants a break.
17 Let's have a break. Let's come back in about ten -- how
18 about 15?

19 (Recess 9:30 a.m. to 9:45 a.m.)

20 EXAMINER GOETZE: All right, folks. We're
21 going to go back on the record for Case Number 15654.

22 I've been requested to make one
23 announcement. We have an individual we believe is going
24 to be showing up for the Westbrook Oil, and if that
25 witness is here, I want to inform them that that

1 compliance case will be after lunch. So if you wish to
2 give testimony, it'll be after 1:30 that you have to be
3 here.

4 Meanwhile, let's go back to the record for
5 this case.

6 STEPHEN NAVE,
7 after having been previously sworn under oath, was
8 questioned and testified as follows:

9 DIRECT EXAMINATION

10 BY MS. BRADFUTE:

11 Q. Could you please state your name for the
12 record?

13 A. Stephen Nave.

14 Q. And, Mr. Nave, who do you work for and in what
15 capacity?

16 A. I work for Nave Oil and Gas. We are a fishing
17 tool company. I am a fisherman and the president of the
18 company.

19 Q. And can you please explain your background and
20 your work experience to the Hearing Examiners?

21 A. The first couple of years or a few years, I was
22 drilling, roughnecking. In 1980, I started in,
23 primarily, the fishing tool operations only, and I went
24 to work for a company called Star Tool Company and
25 worked as a fisherman for, oh, 15 years. Was promoted

1 to fishing tool manager where I oversaw all of the
2 fishing operations for 100, 115 employees.

3 Q. And does your area of responsibility include
4 the areas of Eddy and Lea Counties in southeastern New
5 Mexico?

6 A. Yes, ma'am, it does.

7 Q. And are you familiar with the application
8 that's been filed by Mesquite SWD in this case?

9 A. Yes, ma'am.

10 MS. BRADFUTE: Mr. Examiner, I'd like to
11 tender Mr. Nave as an expert in fishing operations.

12 EXAMINER GOETZE: Mr. Feldewert?

13 MR. FELDEWERT: No objection.

14 EXAMINER GOETZE: Very good. He is so
15 qualified.

16 Q. (BY MS. BRADFUTE) Mr. Nave, could you please
17 turn to what is marked as Exhibit Number 7 in the
18 hearing notebook in front of you? And I wanted to walk
19 through this exhibit with you so that you could explain
20 the items discussed in it to the Hearing Examiners.
21 Could you please start by explaining what the
22 specifications are of the tubing discussions in this
23 exhibit?

24 A. Well, this talks to the diameters -- outside
25 and inside diameters, specification of 5-1/2 -- 5-1/2,

1 in this case, tubing and the inside diameters and
2 specifications of 7-5/8 39-pound casing. What this
3 is -- to me what this leads to is what -- what
4 is -- what are we capable of working with on 5-1/2
5 inside of 7-5/8 39-pound from a fishing standpoint in
6 case of a tubing failure.

7 Q. And, Mr. Nave, is it your understanding that
8 the tubing specifications -- the casing specifications
9 listed at the top of Exhibit Number 7 are representative
10 of the tubing that Mesquite seeks to use in this case?

11 A. That's correct. Yes, I do.

12 Q. And I'm going to hand out -- this is not
13 included in the notebook -- what's been marked as
14 Exhibit Number 9. And could you explain to the Hearing
15 Examiners what this exhibit is?

16 A. This is no more than a chart of specifications
17 for different sizes of -- sizes and weights of casing,
18 tolerances, wall thicknesses and stuff like that. It's
19 exactly the same thing that's up here (indicating). It
20 gives a few more size references.

21 Q. Okay. And is this something that you consulted
22 in order to prepare for your testimony here today?

23 A. Yes. This is something that we consult for.
24 It's where we get our dimensions from for most
25 operations.

1 Q. Could you please look at the overshot fishing
2 procedure discussed in Exhibit Number 7 in the second
3 paragraph section, and explain what the overshot fishing
4 procedure is to the Hearing Examiners?

5 A. Okay. We've got this set up as -- in the event
6 the tubing fails and leaves a collar looking up. I
7 would say that it could be no more than 50 percent
8 chance that a collar would be left looking up. However,
9 if that's the case, a collar inside -- on 5-1/2 casing
10 inside a 7-5/8 casing is too large to fish from the
11 outside with an overshot. It probably can be gotten a
12 pretty good hold of with a die nipple or a die collar.
13 However, it would probably be simpler to just go ahead
14 and mill the collar away and fish the tube. It would be
15 the exact same procedure that you would use in quite a
16 few other applications with the collar only being 6 or 8
17 inches long. It's easier to mill it away than it is to
18 deal with it. So that's what you would do on a deal
19 like this.

20 You can then latch on to it with an
21 overshot from the outside. In this case, the outside of
22 the pipe is just a steel pipe. Sometimes you need to
23 get ahold of the outside simply because you need an
24 enlarged ID to be able to work through. In this case,
25 you can run overshot and have basically like a patch.

1 It will latch on, make the string continuous, run a
2 5-1/2 plumb back to surface. So anything that you can
3 get in the bottom of it, you can get through -- from the
4 top to the bottom, i.e., another workstring if you
5 needed to.

6 So that's what the -- what the top part of
7 this is, is how to get ahold of it providing, say, the
8 tubing just parted, and you can latch on with overshot
9 and potentially pull the -- do whatever you need to do
10 and release from the packer and retrieve the tubing from
11 the hole and repair it and run it back in.

12 Q. Now, is the overshot fishing procedure
13 something you could use when 5-1/2-inch tubing inside of
14 a 7-5/8-inch casing is used?

15 A. That is correct. You can use an overshot to
16 fish 5-1/2 inside of 7-5/8 39-pound.

17 Q. Now, would this fishing procedure differ in any
18 way with a well that uses a 4-1/2-inch tubing?

19 A. 4-1/2, no. Well, you can fish the collar on
20 4-1/2 with the overshot, too, but it would be -- the
21 only difference is one step, to mill the collar away, in
22 case you did have a collar looking up. Otherwise, it's
23 exactly --

24 Q. And in some respects, would it be easier to
25 fish out a tube that's 5-1/2 inches?

1 A. The main aspect would be with the larger ID of
2 the 5-1/2, you can get more -- you have a larger
3 selection of stuff that you can work from the inside
4 with. The outside, there is basically no difference.
5 The inside, you do have a bigger selection of things you
6 can work with.

7 Q. I'm going to pass out what's been marked as
8 Exhibit Number 10, and could you explain what that
9 document is to the Hearing Examiners?

10 A. Okay. This is basically just some pages taken
11 from the instruction manual from National Oil Well
12 Manufacturers overshots. This is Series 150 Overshots.
13 The drawing kind of explains the concept on the front.
14 The next page gives a general description in how you
15 work it and things like that. It has -- this tool has
16 the capability to go over the outside and catch onto a
17 steel body looking up. It can pack off on it so that
18 you can pump pressure through the inside and it will
19 come out around the overshot. Basically, it's an
20 attachment method to get back onto the fish.

21 The third page on this is the
22 specifications of overshot manufactured. There is a
23 mark over here on one that starts out -- if you'll look,
24 it's a maximum catch size of 5-1/2-inch. That overshot
25 is 6-5/8 O.D. This is a readily available overshot that

1 National makes, along with several other manufacturers,
2 on a regular basis. We use it regularly. It's sitting
3 on my shelf in the shop now. This is 6-5/8 O.D. and
4 39-pound, 6-5/8 ID. I understand that is -- you can't
5 get that inside there. However, turning these overshots
6 down a few thousandth or a 16th or an 8th is a common
7 procedure. We do it all the time, because this kind of
8 thing -- on things like submersible pumps inside of a
9 5-1/2 casing, we have to skin down overshots. Even to
10 fish 2-7/8 eight round tubing inside a 20-pound 5-1/2
11 casing, you have to turn the overshot down. They don't
12 make an overshot that is really designed to do that. So
13 we skin it down. And in this case, it would be no
14 different. It's not anything that wouldn't be regularly
15 done.

16 Q. So it's a common practice within your
17 industry --

18 A. Very common practice.

19 Q. -- to go ahead and skin it down and use an
20 overshot?

21 A. That's correct.

22 Q. Can you please explain what the spearfishing
23 procedure is to the Hearing Examiners?

24 A. A spearfishing procedure would be to fish from
25 the inside. A spear with the overshot goes on the

1 outside. The spear goes to the inside. It's basically
2 the same process in reverse. The helix pushes quicker
3 throughout the inside and bites from the inside of the
4 pipe.

5 In the case of disposal wells or injection
6 wells, you have a plastic coating. This plastic coating
7 has to be removed for the spear to work. However, if it
8 is a sprayed-on liner, as this -- that they're proposing
9 it is, that's usually pretty simple in that you -- the
10 catch range on a spear, especially when you get into the
11 larger sizes like this, is efficient so that you'll be
12 able to put it inside the plastic. And it will -- if
13 you get real rough with it, it will probably pull out
14 the first time, but all it does is pull the plastic
15 liner out. Then you stick the spear back in, and the
16 next time it catches, the steel will shed the plastic
17 off after it pulls out in there and leaves the steel.

18 But internal fishing with this type pipe is
19 readily accessible. We do that on a regular basis, too.

20 If you have something like a dual line or
21 something where it's fiberglass or a PVC liner, then you
22 have to mill that out first, but it's easy to do with --
23 and, in fact, I think you're going to have an exhibit
24 there of the spear.

25 Q. Yes, I am. And I will pass out that exhibit.

1 A. And I can kind of show some things with that,
2 too.

3 Q. Number 11.

4 A. There are various types of spears. This is a
5 standard Itco type spear that National Oil Well and many
6 others make. The first page is a picture. The second
7 page is just a general description of construction and
8 what it does. The next page there shows a couple of
9 things, and one is the nut there, the sidehill type nut
10 and sub type nut. Well, what that does -- the sub type
11 nut means that you can put a mill or something on the
12 bottom of that to mill plastic or whatever you need to
13 out of the way. It would be one application for that,
14 and then -- then the grapple can go down in and get
15 ahold of the steel.

16 It also facilitates the use of the spear
17 pack-off assembly, which runs below the spear and makes
18 it where you can pump pressure through the fish to be
19 able to circulate around it or something like that. So
20 that's pretty much the mechanics of the way the spear
21 works.

22 Now, as far as which spear, there would be
23 numerous spears that would work inside 5-1/2 casing.
24 The one I've marked here is a 5-inch O.D. spear that
25 that's designed to catch 5-1/2, 5-3/4 pipe. It's

1 readily available. Every fishing company in the
2 country's got it.

3 Q. Now, is spearfishing a procedure that is
4 commonly used within the industry to fish out tubing?

5 A. Absolutely. You fish tubing -- it really works
6 better in larger pipe simply because the spear itself
7 reduces the ID of tools that you can work through. And
8 pipe the size of 5-1/2, you can get 1-inch tools, which
9 is capable of three points and stuff like that, through
10 the 5-1/2 spear, but you wouldn't be able to on 2-7/8 or
11 2-3/8 spears. They only have like a 3/8-inch ID. So
12 you can't get through the spear on the smaller stuff,
13 but you really can on the larger stuff.

14 Q. So spearfishing is something that is more
15 readily used and available when you have larger-size
16 tubing?

17 A. Absolutely. Absolutely. They just use it more
18 often because it works just as well. The spears are
19 very strong, capable of getting very good hold of the
20 fish, and you can work through the larger-size spears.

21 Q. So there are minimal differences when you are
22 using an overshot fishing procedure with the use of a
23 5-1/2-inch tubing, and then there are additional options
24 available for spearfishing procedures when you have a
25 5-1/2-inch tubing, correct?

1 A. That's correct. You just -- depending on what
2 you need to do would be which one you would need to --
3 they both have the capability of latching on and pulling
4 whatever you need to or working below it. If you need
5 larger-diameter tools in the hole, then you would want
6 to use the overshot. If you have no use for the
7 larger-diameter tools, use the spear. Both these tools
8 have the capability of engaging the 5-1/2 tubing and
9 then releasing from it and coming back out of the hole
10 and then going back and re-engaging again if you need
11 to.

12 Q. Can you explain what the abandonment procedure
13 would be to the Hearing Examiners in the event there was
14 a tubing failure and you needed to go in and either cut
15 off part of the tubing in order to properly abandon the
16 well or do something else to fish out the tubing?

17 A. Okay. If there was 5-1/2 that was stuck in the
18 hole and it was deemed, you know, it would not be
19 beneficial or unable to get it from the well, basically
20 where you have 5-1/2 and 7-5/8, we still have the
21 capability to wash over it and -- 6-3/8 wash pipe is
22 readily available. It would be the same thing as
23 running 4-1/2 wash pipe over 2-7/8, basically,
24 especially over 3-1/2.

25 The difference being -- with the 5-1/2, if

1 it's really stuck in the well, it would be no different
2 than 5-1/2 casing being cemented in a well that's in a
3 producing situation. We can now go through the inside
4 of 5-1/2. We can't really do that in a 20,000-foot well
5 on 2-7/8. We can run cutters. There are a multitude of
6 cutter varieties. There are mechanical cutters,
7 hydraulic cutters, wireline electrical cutters, sand
8 cutters, perforators, section mills. All this can be
9 done through 5-1/2 that literally wouldn't be able to be
10 done through the smaller pipe.

11 Now, 4-1/2, yeah, most of it can be done
12 through 4-1/2. 3-1/2, 2-7/8 and 2-3/8, you become very
13 limited on what you can do inside.

14 But as far as plug and abandonment, I would
15 say if it really gets stuck in the hole, perforate and
16 squeeze cement around it and run 2-7/8 in there, and
17 you've got another general well. So you can literally
18 plug it from the inside rather than having to get it
19 out.

20 Q. I'm going to pass out what's been marked as
21 Exhibit Number 12 to you, and could you please explain
22 to the Hearing Examiner what this document is?

23 A. This is one example of a tool that can be used
24 inside 5-1/2 or 4-1/2. If it's plastic-coated, this
25 particular tool is capable of going 3-5/8 O.D. You run

1 it on a tubing string. It can run inside this pipe. It
2 don't care if it's plastic-coated or inch-thick steel or
3 in a collar or what. Once you pressure up on it, it
4 starts -- it pushes a piston down. It pushes knives out
5 with carbide cutters on it. And you start rotating, and
6 it cuts through the whole thing, and you're able to lift
7 it out of the hole. Like I say, this is no more than an
8 example of one tool that is capable of doing this thing
9 in this situation.

10 Q. So there are numerous other tools that could be
11 used to cut out --

12 A. That's correct.

13 Q. -- the bottom of the pipe to allow for plugging
14 and abandonment?

15 A. Yes, ma'am.

16 Q. If you could turn back to Exhibit Number 7 and
17 turn to the last page of that exhibit, and explain what
18 this last page tells the Hearing Examiners.

19 A. Okay. As I understand it, these are some
20 scenarios that are allowed through some of the permits
21 from the OCD, and that's 3-1/2 tubing inside of 5-1/2
22 casing. The 3-1/2 tubing has a collar diameter of
23 5-1/2-inch O.D., and then it has an upset that screws
24 into either end of that, and then it goes to 3-1/2 O.D.
25 body.

1 The fishing procedure on 3-1/2 inside 5-1/2
2 is exactly the same as the fishing procedure of 5-1/2
3 inside 7-5/8. You cannot fish the O.D. of the collar.
4 You can still fish the ID, but you have the same issue
5 with plastic coating, dual line, whatever's in there.

6 The clearances are basically somewhat the
7 same. I mean, you still have to -- to get ahold of the
8 outside, you have to pull the collar off. Then you can
9 fish the body. 20-pound -- as I say again, you have to
10 go with a small enough overshot to be able to get in
11 20-pound and fish it. So that would be -- it's readily
12 doable. That's -- the first paragraph -- or the first
13 column up here deals with that, and basically I'm saying
14 that there is really no difference in the fishing
15 methods for that than there would be with 5-1/2 inside
16 7-5/8.

17 The same goes for the 2-7/8 inside 4-1/2.
18 The collars are not fishable. The tube is. You can
19 either cut the pipe below the -- below the collar and
20 pull that piece out and then fish the body and mill the
21 collar off. It's the same on all three of these
22 different scenarios -- three different scenarios we're
23 talking about here.

24 The difference being that when you get a
25 liner inside one of these smaller-diameter tubing, like

1 a plastic coating or a dual line, you're starting to
2 really limit the internal diameter of this and the tools
3 that you can get in it. You can't run chemical cutters
4 or electrical -- electric line chemical cutters through
5 that that will catch and cut the pipe. And trying to
6 come up with a workstring to work inside that 2-7/8
7 tubing to run mechanical cutters is really tough. So
8 basically you have a better chance of working with the
9 5-1/2 than you do with 2-7/8 if you want to get to that
10 point.

11 Q. And could you please turn to what's been marked
12 as Exhibit Number 8 in the hearing notebook and explain
13 to the Hearing Examiners what this exhibit is? And in
14 particular, if you could turn to the information on the
15 second page.

16 A. Riley called me and wanted to know what -- what
17 would be -- which I field these calls on a pretty
18 regular basis. What can we do in this size hole?
19 What's the maximum size fish we can catch in here and
20 stuff like that? He said, If we had 5-1/2-inch casing
21 inside 7-5/8-inch 39-pound, what would we do? I said,
22 Well, it shouldn't be an issue. We have the overshot
23 with 6-5/8 O.D. We'll have to skin it down just a
24 little bit. The coupling size is 6-1/16, basically
25 6.125. Mill the coupling off if you leave it in there.

1 And like I say, there's, I'd say, a less than a 50
2 percent chance you leave it because it's going to break
3 either -- the only time you would be dealing with the
4 coupling is if it breaks right on top of the coupling.
5 It's just as likely to break underneath the coupling or
6 in the length of the joint or somewhere. So, you know,
7 50/50 that you won't even have to deal with it, and then
8 we can run the overshot, and that's if we want to really
9 go through with large-diameter stuff. That's all
10 readily available. We can spear it. We can also run
11 wash pipe. And in the worst-case scenario, we can start
12 calling this casing and work inside of it.

13 Q. In your opinion, will the use of 5-1/2 tubing
14 inside of the proposed casing create an increased chance
15 of tubing failure that can't be revolved?

16 A. No, I do not believe so. And, in fact, I kind
17 of think the opposite.

18 And what these guys are talking about,
19 these wells are not shallow wells. These are deep
20 wells. And it's just like the rigs and the equipment
21 that's used to drill them with. You need larger stuff
22 in there to be able to stand the strains on the loads.
23 You take small stuff and hang 20,000 feet of it on
24 there, we see -- our major issues in the fishing
25 industry is people running too big of stuff in too small

1 a hole.

2 But it's not as critical in a -- in a hole
3 that's at least, say, 4-3/4 -- or 4-1/2 ID as it is in
4 one that's 3-1/2 ID. We start to run out of tools in
5 the working space there. The larger -- the larger hole
6 we're in, the more options we have to fish. And once
7 you get to the point where you have 4-1/2 ID, then we
8 have a lot of options. But less than that, 4-1/2
9 casing, 4-inch casing, 3-1/2 casing, it's a disaster.
10 We can't do much with those.

11 So I don't think this is -- I don't think
12 this is any more likely to be an issue than the rest of
13 them and probably less likely.

14 Q. And were Exhibits 7 through 12 prepared by you
15 or under your supervision or compiled from your
16 company's business records?

17 A. Yes, ma'am.

18 Q. And in your opinion, will the granting of this
19 application be in the interest of conservation and the
20 prevention of waste?

21 A. I would think so.

22 Q. Thank you.

23 A. Yes, ma'am.

24 MS. BRADFUTE: Those are the questions I
25 have right now.

1 EXAMINER GOETZE: Do you want to tender
2 your exhibits?

3 MS. BRADFUTE: Oh, yes. Thank you. I
4 would like to move to have Exhibits 7 through 12
5 admitted into the record.

6 EXAMINER GOETZE: Mr. Feldewert?

7 MR. FELDEWERT: No objection.

8 EXAMINER GOETZE: Okay. Thank you. Then
9 you can ask the questions.

10 MR. FELDEWERT: Real quick.

11 CROSS-EXAMINATION

12 BY MR. FELDEWERT:

13 Q. Mr. Nave, you have a lot of experience fishing
14 and spearfishing in the oilfield industry?

15 A. Yes, ma'am -- yes, sir.

16 Q. Any experience spearfishing off a jon boat on
17 the Mississippi or Missouri Rivers, because that's the
18 only thing I know anything about? So I don't have any
19 questions.

20 (Laughter.)

21 A. Not on the Mississippi River.

22 Q. Okay. I have no questions.

23 EXAMINER BROOKS: Okay. Mr. Examiner, did
24 you --

25 EXAMINER GOETZE: I so -- Exhibits 7

1 through 12 are so entered into the record.

2 EXAMINER BROOKS: Okay. That's what I was
3 going to ask.

4 (Mesquite SWD, Inc. Exhibit Number 7
5 through 12 are offered and admitted into
6 evidence.)

7 EXAMINER GOETZE: Thank you. Mr. Feldewert
8 is very anxious today.

9 EXAMINER BROOKS: Well, he wanted to
10 describe his prowess as a fisherman.

11 EXAMINER GOETZE: Any questions,
12 Mr. Brooks?

13 MR. BROOKS: No questions.

14 EXAMINER GOETZE: Gentlemen?

15 CROSS-EXAMINATION

16 BY EXAMINER JONES:

17 Q. Thanks for coming, Mr. Nave. You don't know a
18 guy named Joe Kitrel [phonetic]?

19 A. I do.

20 Q. Was he with Lea Fishing [phonetic], or was
21 he --

22 A. Lea Fishing.

23 Q. I remember him from the old days.

24 So I guess one of my big questions is
25 why -- why would this pipe get stuck in the first place?

1 What are you guys seeing? You're fishing a lot of pipe,
2 so --

3 A. Well, there are a lot of reasons that pipe gets
4 stuck. Probably the most prevalent reason is neglect,
5 not checking the back side and making sure you don't
6 have pressure on it. Some other things are pressure
7 collapse possibly on the casing that can stick it,
8 potentially just dried-up seals in the packer assembly.
9 Say you need to remove the tubing string from the well
10 and you just can't quite get it to release. That's the
11 primary ones that I can think of. Now, that's assuming
12 the well's put together correctly and packer fluid is
13 circulated on the back side and we don't leave mud back
14 there or something like that, which we -- that's not
15 supposed to be done.

16 Q. Okay. So if you were milling to get rid of
17 your collar, how often do you see issues with milling
18 out -- going outside of your casing?

19 A. As far as -- as far as that goes, that can be
20 definitely controlled. We can actually skirt a mill and
21 put no cutting structure of any kind on the outside of
22 this thing to mill this away with.

23 Now, on the collar, if you get something
24 that's literally the full diameter of the casing, we can
25 use what's called a pilot mill. A pilot mill is

1 stabilized on the inside of the fish that's being milled
2 up, and that keeps it from walking around any. But the
3 milling surface or milling structure comes down directly
4 on top of it. There is nothing to cut with on the
5 outside. So -- and you're only talking about milling
6 for 6 or 8 inches here. You don't -- it's going to be
7 hard to make a right-angle turn with a mill and a foot.

8 Q. Okay. If you latch on and start pulling on
9 this pipe, is it designed to come -- come apart at the
10 threads, or is it designed to pull the body -- to pull
11 the body loose?

12 A. You're talking about the tubing in this case?

13 Q. Yeah, the tubing, not your fishing equipment.

14 A. Well, yeah. For the most part, this kind of --
15 this thread style which is -- it is typically weaker in
16 the coupling so -- or right at the root of the thread
17 where it goes into the coupling is usually where it
18 would part, if everything is equal.

19 Upset tubing is designed a little bit
20 differently, where it gets thicker up there and makes it
21 basically the same strength all the way through, but we
22 still have just about as many parts right at the collar
23 at upset as you do on this kind of pipe.

24 Q. Mr. Neatherlin talked about the thread design,
25 and I don't quite understand. I forget. Do you

1 understand what he was talking about being 5-1/2 tubing?
2 It's not simple 8 round threads, is it?

3 A. Well, it's not a simple 8 round thread. But
4 they're using a lot threads now that -- basically, I
5 can't really tell you the difference other than some
6 engineers decided it's better, and maybe they can prove
7 it under pressure and stuff like that. It may be more
8 likely to hold, or under a drilling situation is what
9 everybody's -- in our -- for reference in this
10 situation, it's the same diameters. It's only a
11 difference in the shape of the thread itself that we're
12 talking about here.

13 Q. Okay. Okay. And what about the size of the --
14 the size of the rig you need to actually fish 5-1/2
15 tubing casing?

16 A. That would have to be rated to the weight of
17 the string. You have 20-pipe and you've got 20,000 feet
18 of 20-pound pipe, you've got heavy string. So you
19 wouldn't want a rig on there that's only capable of
20 pulling half that.

21 Q. So it's going to cost quite a bit?

22 A. It's going to cost quite a bit. However, the
23 cost of the rig to pull the pipe with, I think would be
24 pretty -- pretty nominal -- pretty small considering
25 that you just got through drilling a 20,000-foot well.

1 Q. Okay. Okay. Compared to the drilling cost?

2 A. Right.

3 Q. Thank you very much.

4 CROSS-EXAMINATION

5 BY EXAMINER GOETZE:

6 Q. To follow up his question on the milling
7 aspect, if you've got a cutter in there, is there
8 potential for damaging the casing or liner that's
9 already there in at that interval?

10 A. There would be, if you do not set the cutter up
11 for cutting what you're -- you can set the cutter up to
12 cut only a certain distance. If you do that
13 correctly -- it just has to be done correctly. I mean,
14 if you do it wrong, yes.

15 Q. And have you had any experiences with Devonian
16 retrieval?

17 A. Yes, sir.

18 Q. Okay. And for production wells --

19 A. Yes, sir.

20 Q. -- and SWDs?

21 A. Yeah.

22 Q. Thank you. No more questions.

23 EXAMINER McMILLAN: I don't have any.

24 MS. BRADFUTE: Mr. Examiner, can I call
25 Mr. Neatherlin back up for one follow-up question?

1 EXAMINER GOETZE: Sure.

2 We're done with this witness. Thank you.
3 Unless you want more follow-up questions.

4 MR. FELDEWERT: Nope.

5 RILEY NEATHERLIN,
6 after having been previously sworn under oath, was
7 recalled, questioned and testified as follows:

8 DIRECT EXAMINATION

9 BY MS. BRADFUTE:

10 Q. Mr. Neatherlin, you're still under oath. I
11 just wanted to remind you.

12 I wanted to follow up just briefly on a
13 couple of the Hearing Examiners' questions about
14 capacity and concerns about the amount of water that's
15 being injected into the reservoir. If saltwater
16 disposal companies continue to use wells which have
17 smaller tubing sizes, 4-1/2 inches and smaller, in the
18 short term, in order to handle the capacity of water
19 that is being produced by operators in the field, will a
20 greater number of wells need to be drilled within
21 New Mexico to handle that water capacity?

22 A. Yes. If you can't handle the required amount
23 of water that's being produced through the tubing,
24 you're going to have to drill exponentially more wells
25 to handle the water capacity.

1 Q. Okay. Thank you.

2 EXAMINER JONES: We still want to ask for
3 the engineering analysis of the difference between the
4 4-1/2 -- installing a 4-1/2 liner from 10,000 to 15,000
5 feet versus installing a 5-1/2 casing -- or tubing from
6 10,000 to 15,000 feet and of the range of pressures that
7 you would end up with on your surface for the same
8 injection rate.

9 THE WITNESS: Okay.

10 EXAMINER JONES: And can you add in the
11 friction factor so we can do something in the future?

12 THE WITNESS: Yes.

13 MS. BRADFUTE: Is there anything else the
14 Division would like us to submit?

15 EXAMINER JONES: No. We might have to work
16 interactively with that if you have any questions.

17 MS. BRADFUTE: Great. Can we submit that
18 via an affidavit?

19 EXAMINER GOETZE: Oh, you can submit it as
20 a request of information. It can be by an email.

21 THE WITNESS: Okay.

22 EXAMINER GOETZE: We'll make sure it gets
23 in the record. We're asking for technical information,
24 so you're supplementing your application.

25 MS. BRADFUTE: Okay.

1 EXAMINER GOETZE: We will ask you to
2 provide it to the Holland & Hart also.

3 MS. BRADFUTE: Yes.

4 EXAMINER GOETZE: With that, we don't have
5 any other questions for you. Thank you very much.

6 And is this your case?

7 MS. BRADFUTE: This is the end of my case.
8 I'd ask that the matter be taken under advisement.

9 EXAMINER GOETZE: Let's ask Mr. Feldewert
10 if he has anything he wishes to present.

11 MR. FELDEWERT: Mr. Examiner, the only
12 thing I want to say is that we appeared at this hearing
13 in support of the proposition to allow 5-1/2-inch
14 injection tubing for disposal into the Devonian.

15 EXAMINER GOETZE: That's it?

16 MR. FELDEWERT: That's it.

17 EXAMINER GOETZE: Okay.

18 MS. BRADFUTE: Mr. Examiner, one other item
19 that I should have mentioned earlier: While this
20 application relates to the specific wells referenced
21 within the application -- we filed the application
22 because there was specific language in those orders. We
23 didn't find anything in the rules which actually limits
24 the size of tubing that's used, and we would like to
25 have 5-1/2-inch tubing approved for wells in the future.

1 But I think that would be handled on applications that
2 come in in the future with an application of evidence
3 that's been presented to the extent that those wells
4 don't differ with these wells.

5 EXAMINER GOETZE: Well, we understand that
6 the reason we're having a hearing is because we
7 understand that this may be a trend for which we do not
8 have experience and/or information, and it does tie with
9 other things that are under our authority. And we tend
10 to put in the specifications based upon what Applicant
11 has requested. Now we're jumping into a new realm. So
12 that's why we're here at a hearing, to see what we can
13 look at and decide if we need more information or if we
14 can approve it. So this is part of our process for
15 things that are outside our rules.

16 MS. BRADFUTE: Yes. And we appreciate
17 that.

18 EXAMINER GOETZE: I assume you want it to
19 be rushed, but we cannot afford you any time as far as
20 knowing what's going to be on the -- we may be
21 furloughed, and we may be here and we may not be here.
22 But we'll put it in the front of the package. Okay?

23 MS. BRADFUTE: I appreciate that.

24 EXAMINER GOETZE: Okay.

25 MS. BRADFUTE: Thank you.

1 EXAMINER GOETZE: Case 15654 is taken under
2 advisement.

3 We'll take a few-minute break.

4 (Case Number 15654 concludes, 10:28 a.m.)

5 (Recess 10:28 a.m. to 10:36 a.m.)
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1 STATE OF NEW MEXICO
2 COUNTY OF BERNALILLO

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4 CERTIFICATE OF COURT REPORTER

5 I, MARY C. HANKINS, Certified Court
6 Reporter, New Mexico Certified Court Reporter No. 20,
7 and Registered Professional Reporter, do hereby certify
8 that I reported the foregoing proceedings in
9 stenographic shorthand and that the foregoing pages are
10 a true and correct transcript of those proceedings that
11 were reduced to printed form by me to the best of my
12 ability.

13 I FURTHER CERTIFY that the Reporter's
14 Record of the proceedings truly and accurately reflects
15 the exhibits, if any, offered by the respective parties.

16 I FURTHER CERTIFY that I am neither
17 employed by nor related to any of the parties or
18 attorneys in this case and that I have no interest in
19 the final disposition of this case.

20

21

22 MARY C. HANKINS, CCR, RPR
23 Certified Court Reporter
24 New Mexico CCR No. 20
25 Date of CCR Expiration: 12/31/2017
Paul Baca Professional Court Reporters