|    | 1  |
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| 1  | STATE OF NEW MEXICO  |
| 2  | ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT                  |
| 3  | OIL CONSERVATION DIVISION  |
| 4  |  |
| 5  | IN THE MATTER OF THE HEARING )<br>CALLED BY THE OIL CONSERVATION ) |
| 6  | DIVISION FOR THE PURPOSE OF )<br>CONSIDERING: ) CASE NO. 10,979    |
| 7  | APPLICATION OF NAUMANN OIL & GAS, )                                |
| 8  | INC.   |
| 9  |  |
| 10 | ORIGINAL   |
| 11 |  |
| 12 | REPORTER'S TRANSCRIPT OF PROCEEDINGS                               |
| 13 | EXAMINER HEARING   |
| 14 | BEFORE: DAVID R. CATANACH, Hearing Examiner                        |
| 15 |  |
| 16 | May 26, 1994   |
| 17 | Santa Fe, New Mexico   |
| 18 |  |
| 19 |  |
| 20 | This matter came on for hearing before the Oil                     |
| 21 | Conservation Division on Thursday, May 26, 1994, at Morgan         |
| 22 | Hall, State Land Office Building, 310 Old Santa Fe Trail,          |
| 23 | Santa Fe, New Mexico, before Steven T. Brenner, Certified          |
| 24 | Court Reporter No. 7 for the State of New Mexico.                  |
| 25 | * * *  |

| 1  | IN   | DEX          |          |           |
|----|--|--------------|----------|-----------|
| 2  |  |              |          |           |
| 3  | May 26, 1994<br>Examiner Hearing           |              |          |           |
| 4  | CASE NO. 10,979                            |              |          |           |
| 5  |  |              |          | PAGE      |
| 6  | APPEARANCES                                |              |          | 3         |
| 7  | APPLICANT'S WITNESSES:                     |              |          |           |
| 8  | <u>DAVID N. FRYE</u><br>Direct Examination | by Mr. Kel   | lahin    | 6         |
| 9  | Examination by Exam<br>Examination by Mr.  | iner Catana  |          | 28<br>32  |
| 10 | HENRY JACK NAUMANN                         | carrorr      |          | 52        |
| 11 | Direct Examination<br>Examination by Exam  | _            |          | 32<br>47  |
| 12 | _  | iner catalla |          | 4 /<br>52 |
| 13 | REPORTER'S CERTIFICATE                     | * *          |          | 52        |
| 14 | *  | * *          |          |           |
| 15 | ЕХНІ                                       | BITS         |          |           |
| 16 | Id   | entified     | Admitted |           |
| 17 | Exhibit 1<br>Exhibit 2                     | 8<br>9       | 27<br>27 |           |
|    | Exhibit 3                                  | 12           | 27       |           |
| 18 | Exhibit 4<br>Exhibit 5                     | 12<br>12     | 27<br>27 |           |
| 19 |  |              |          |           |
|    | Exhibit 6                                  | 16           | 27       |           |
| 20 | Exhibit 7                                  | 17           | 27       |           |
|    | Exhibit 8                                  | 18           | 27       |           |
| 21 | Exhibit 9<br>Exhibit 10                    | 20<br>35     | 27<br>46 |           |
| 22 | EXHIBIC IO                                 | 55           | 40       |           |
|    | Exhibit 11                                 | 37           | 46       |           |
| 23 | Exhibit 12                                 | 39           | 46       |           |
|    | Exhibit 13                                 | 42           | 46       |           |
| 24 | Exhibit 14                                 | 45           | 46       |           |
| 25 | *  | * *          |          |           |

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APPEARANCES FOR THE DIVISION: RAND L. CARROLL Attorney at Law Legal Counsel to the Division State Land Office Building Santa Fe, New Mexico 87504 FOR THE APPLICANT: KELLAHIN & KELLAHIN 117 N. Guadalupe P.O. Box 2265 Santa Fe, New Mexico 87504-2265 By: W. THOMAS KELLAHIN \* \* \* 

| 1  | WHEREUPON, the following proceedings were had at           |
|----|--|
| 2  | 8:15 a.m.:   |
| 3  | EXAMINER CATANACH: Call the hearing to order               |
| 4  | this morning for Docket Number 16-94.                      |
| 5  | (Off the record)   |
| 6  | EXAMINER CATANACH: At this time we'll call Case            |
| 7  | 10,979.  |
| 8  | MR. CARROLL: Application of Naumann Oil & Gas,             |
| 9  | Inc., for compulsory pooling, an unorthodox gas well       |
| 10 | location and a nonstandard gas proration and spacing unit  |
| 11 | Eddy County, New Mexico.                                   |
| 12 | EXAMINER CATANACH: Are there appearances in this           |
| 13 | case?  |
| 14 | MR. KELLAHIN: Mr. Examiner, I'm Tom Kellahin of            |
| 15 | the Santa Fe law firm of Kellahin and Kellahin, appearing  |
| 16 | today on behalf of the Applicant, and I have two witnesses |
| 17 | to be sworn.   |
| 18 | EXAMINER CATANACH: Any additional appearances?             |
| 19 | Will the witnesses please stand and be sworn in?           |
| 20 | (Thereupon, the witnesses were sworn.)                     |
| 21 | MR. KELLAHIN: Mr. Examiner, I have two witnesses           |
| 22 | for you.   |
| 23 | Mr. David Frye is a consulting landman. He was             |
| 24 | the individual that was challenged to put together all     |
| 25 | these town lots on the south side of the City of Carlsbad  |

4

1 to reformulate a gas spacing unit so that his client, Mr. Jack Naumann, who is the president and principal of Naumann 2 Oil and Gas, Inc., could re-enter an old abandoned Morrow 3 gas well and attempt to recomplete it in what we've 4 identified as the Carlsbad-Strawn Gas Pool. 5 Mr. Frye will go through the details of how he 6 7 has consolidated the tracts to the best of his ability. 8 During the course of his work, he has found that this half section, as a result of a governmental survey, is an 9 10 irregular size. We're dealing with 307 acres, plus or 11 minus. In addition, the original well was drilled by C&K 12 Petroleum back in 1977 pursuant to a compulsory pooling 13 order and the approval of a nonstandard or unorthodox 14 location for that well. Obviously the well continues to 15 exist at an unorthodox location. Its location crowds 16 towards operations by OXY U.S.A., Inc. And they are a 17 18 client of mine, I've contacted them and they have consented 19 to the location. That is not objected to. Mr. Frye will go through with you the details of 20 21 how he has identified the interest owners and how he has 22 consolidated the tracts and what he proposes to do with 23 regards to the allocation of interest in the tracts. 24 Mr. Naumann is a geologist by education and 25 experience, but he's also a practical oil and gas operator.

| His expertise is to find old abandoned wells and to re-<br>enter them, and this is not his first effort. He will<br>describe for you what he has determined to be the advant<br>of using these wells.<br>In addition, he has allocated costs for the va<br>of this existing wellbore and estimated for you what are<br>the additional costs required by him in order to re-enter<br>here. | lue |
|---|-----|
| 3 describe for you what he has determined to be the advant<br>4 of using these wells.<br>5 In addition, he has allocated costs for the va<br>6 of this existing wellbore and estimated for you what are<br>7 the additional costs required by him in order to re-enter  | lue |
| <ul> <li>4 of using these wells.</li> <li>5 In addition, he has allocated costs for the va</li> <li>6 of this existing wellbore and estimated for you what are</li> <li>7 the additional costs required by him in order to re-enter</li> </ul>  | lue |
| 5 In addition, he has allocated costs for the va<br>6 of this existing wellbore and estimated for you what are<br>7 the additional costs required by him in order to re-enter   |     |
| 6 of this existing wellbore and estimated for you what are<br>7 the additional costs required by him in order to re-enter   |     |
| 7 the additional costs required by him in order to re-enter   |     |
|   | r   |
|   |     |
| 8 this well.  |     |
| 9 There is significant risk, and he will describ  | Э   |
| 10 for you the risk. He is seeking a 200-percent risk-fact  | or  |
| 11 penalty with regards to this order.  |     |
| 12 At this time I'd like to call Mr. David Frye.  |     |
| 13 <u>DAVID N. FRYE</u> ,   |     |
| 14 the witness herein, after having been first duly sworn up  | pon |
| 15 his oath, was examined and testified as follows:   |     |
| 16 DIRECT EXAMINATION   |     |
| 17 BY MR. KELLAHIN:   |     |
| 18 Q. Mr. Frye, for the record, sir, would you please   | Э   |
| 19 state your name and occupation?  |     |
| 20 A. My name is David Nichols Frye. I'm a landman  | in  |
| 21 Plano, Texas.  |     |
| 22 Q. Mr. Frye, the microphone will not amplify your  |     |
| 23 voice in here, and there's some background noise from the  | e   |
| 24 air conditioning, so if you'll speak up.   |     |
| 25 On prior occasions, sir, have you testified  |     |

6

before the Division as a petroleum landman? 1 I believe I have. 2 Α. You were hired by Naumann Oil and Gas, Inc., as a 3 Q. petroleum landman for what purpose, sir? 4 5 Α. To research the title on the west half of Section 6 7, find the ownership, acquire leases and put together a 7 drilling unit for the re-entry of the Carlsbad "7" Number 8 1. Is that something you have done for others, 9 Q. 10 locate interest owners and negotiate with them in order to reach voluntary agreements? 11 12 Α. Yes, sir, I've been doing that most of my career. In addition to finding these people and 13 0. 14 negotiating with them, you have proposed to the individuals 15 specific terms of either farmouts, lease or participation 16 in this re-entry? 17 Α. I've sent to all the owners out there an oil and gas lease which I've offered to enter into with them or 18 19 offered them the opportunity to participate in a re-entry. Are you knowledgeable about the identity of these 20 Q. individuals and the interest ownership participation factor 21 22 or calculation for their share of production from the well? Yes, sir, I've calculated that. 23 Α. 24 MR. KELLAHIN: We tender Mr. Frye as an expert 25 petroleum landman.

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1 EXAMINER CATANACH: Mr. Frye is so qualified. 2 Q. (By Mr. Kellahin) Mr. Frye, let's look at what is marked as Applicant's Exhibit Number 1 and let you 3 4 identify that for us. 5 Α. This is a plat of the west half of Section 7, which was originally entered in the Commission records for 6 7 the original pooling of this section for the drilling of the well. 8 To what purpose did you use this plat? 9 0. This plat was the basis of -- that I used to 10 Α. locate the tracts when I was running title on each of the 11 12 owners out there. As a result of that effort, do you have an 13 Q. opinion as to what quantity of acreage is contained within 14 15 the proposed spacing unit? 16 Α. Yes, sir, it's my belief after calculating all 17 the interest and all of -- looking at the patents, that 18 there are 307, plus or minus, acres in the west half of Section 7. 19 So we will know where it's shown on the display, 20 **Q**. find for us the old C&K Petroleum Carlsbad "7" Number 1 21 22 well. The location of the C&K Petroleum "7" Number 1 is 23 Α. located 690 feet from the west line and 760 feet from the 24 25 south line, which is depicted by two circles and labeled

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|    | 9   |
|----|---|
| 1  | "proposed location".  |
| 2  | Q. Can you identify for us or show us on this               |
| 3  | display the lease that underlies the wellbore?              |
| 4  | A. Yes, sir, the drill site lease on this tract is          |
| 5  | 300 was a described 35 acres, which included all of the     |
| 6  | southwest quarter of the southwest quarter, less the Santa  |
| 7  | Catarina Cemetery Association lease, and that's the drill   |
| 8  | site.   |
| 9  | Q. Have you obtained a lease from the interest              |
| 10 | owners at the drill site tract?                             |
| 11 | A. Yes, sir. Merland, Inc., is the owners of                |
| 12 | record, and I have acquired an oil and gas lease from them. |
| 13 | Q. Merland, Inc., owns the Minerals?                        |
| 14 | A. Yes, sir, they do.                                       |
| 15 | Q. Who owns the surface?                                    |
| 16 | A. Merland, Inc., also owns the surface.                    |
| 17 | Q. All right. This is a tract, then, that has not           |
| 18 | been severed with regards to surface and minerals?          |
| 19 | A. That is correct.   |
| 20 | Q. Let me ask you, sir, to set aside the plat for a         |
| 21 | moment and turn to what we have marked as Exhibit Number 2. |
| 22 | This is a tabulation consisting of 15 pages. Is this your   |
| 23 | work, sir?  |
| 24 | A. Yes, sir, this is my work.                               |
| 25 | Q. What does this represent?                                |

This represents a tabulation of the owners of 1 Α. what I believe to be all the interest in the west half of 2 Section 7. It includes various information such as their 3 names and addresses, the acreage -- the legal description 4 of the acreage they own, the net acres, the interest in the 5 acres and their unit participation based upon acreage 6 participation. 7 Before we talk about the details, let's go across 8 0. 9 the top column of the spreadsheet and have you explain to the Examiner what these codes mean. 10 Okay. Lease Number is a number that I've 11 Α. assigned. I started with lease number 100, so there aren't 12 13 any numbers less than that. Gross Acres is -- the traditional explanation, 14 the number of surface acres in their tract. 15 Interest is their interest which in this case is 16 17 a decimal, so 1 being 100 percent, anything less than that being a decimal. 18 Net Acres is their gross acres times their 19 interest. 20 Their Unit Participation is their net acres 21 divided by 307.02. 22 23 The Key --That's not a percentage? 24 Q. 25 No, sir. Α.

That's a decimal interest? 1 Q. That's a decimal interest. 2 Α. 3 Okay. Q. The Key is just a way -- It's the last name of 4 Α. 5 the party. The next column is how I've designated whether 6 7 they've leased to me, whether they've agreed to participate or if we haven't had an answer yet. 8 Of course the Owner is the owner name. 9 Address is self explanatory, the city, state and 10 11 zip. And then the legal description is a description 12 of acreage they own. 13 How many different tracts or leases were you 14 Q. dealing with? 15 16 Α. 298 tracts. 17 How did you go about determining these were the Q. appropriate owners with the correct percentages? 18 I based my research on the abstracts or the 19 Α. information contained in the abstracts of the Guaranty 20 Title in Carlsbad, New Mexico, and the county records of 21 the county clerk. 22 How current is this information? 23 ο. This information -- Some of it is more current, 24 Α. 25 but all of it is current up to the end of December.

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| 1  | Q. Having determined the ownership within the tract,        |
|----|---|
| 2  | what then did you do?                                       |
| 3  | A. Once I as I determined ownership, I would make           |
| 4  | contact with the owners, offering to lease their minerals,  |
| 5  | proposing a lease term and asking them to call me, describe |
| 6  | what we wanted to do and asked them to call me if they had  |
| 7  | any questions.  |
| 8  | Q. Sir, let's go through some of your                       |
| 9  | correspondence.   |
| 10 | A. Okay.  |
| 11 | Q. If you'll turn to what is marked as Applicant            |
| 12 | Exhibit Number 3, would you identify and describe that      |
| 13 | letter?   |
| 14 | A. Exhibit 3 is a letter I sent in early December           |
| 15 | it's dated December 3rd wherein I described what we were    |
| 16 | trying to do. And I offered I enclosed a lease in a         |
| 17 | self-addressed envelope and offered to lease from all the   |
| 18 | owners that I knew at that time. If they wanted to lease,   |
| 19 | they were instructed to sign in front of a notary and then  |
| 20 | return it to me in the envelope.                            |
| 21 | Q. At this point, had you acquired the lease at the         |
| 22 | drill site from the Merland, Inc., company?                 |
| 23 | A. Merland, Inc., was the first lease I acquired. I         |
| 24 | acquired that because I felt like it was critical to the    |
| 25 | prospect.   |

As part of that lease negotiation relationship, 1 Q. 2 did you obtain ownership and control of the existing 3 wellbore? Yes, sir, I felt like it was important to control 4 Α. the wellbore, because it was critical to our re-entry. 5 So I negotiated with Merland, Inc., to acquire specific use of 6 the wellbore for our re-entry purposes, and the exclusive 7 8 rights to the wellbore. As a result of the fact that the wellbore existed 9 Q. within this lease ownership, you had to pay more for that 10 11 transaction or lease than you did for the other leases? I felt like it was necessary to do that, and 12 Α. through the course of negotiations it was borne out. 13 Apart from that circumstance, did you offer 14 Q. 15 everyone else the same terms? Α. Everybody in the west half of Section 7 was 16 offered exactly the same terms to lease their minerals, 17 18 including the City of Carlsbad and other public entities. Did you obtain leases from the City of Carlsbad? 19 Q. Yes, sir, I did, from the city council. 20 Α. Okay. How did you handle the mineral ownership 21 Q. underlying the public streets? 22 It was my determination, and based upon 23 Α. consultation with various attorneys, that ownership of the 24 25 minerals underlying the streets, as a matter of -- in New

| 1  | Mexico is considered to be owned by the adjacent lot        |
|----|---|
| 2  | owners, and I included each lot I included the minerals     |
| 3  | under the streets and alleys as being owned by the adjacent |
| 4  | lot owner.  |
| 5  | Q. All right. And with that position, then, you             |
| 6  | negotiated with these people and have obtained leases for   |
| 7  | some of these tracts on that basis?                         |
| 8  | A. Yes, sir.  |
| 9  | Q. All right. After the first letter, of December           |
| 10 | 3rd, what is the next correspondence to these interest      |
| 11 | owners?   |
| 12 | A. The next correspondence is December 10th, and            |
| 13 | that was sent to people who as I later discovered their     |
| 14 | interest. It's essentially a identical letter to the        |
| 15 | earlier letter.   |
| 16 | Q. As you continued through the process and updated         |
| 17 | and refined your list, did you provide further              |
| 18 | correspondence to these individuals after December 10th?    |
| 19 | A. Yes, sir, I sent a January 4th letter to                 |
| 20 | additional people as I learned of them.                     |
| 21 | Sometimes I'd get I would learn of a new                    |
| 22 | address or a new location, and I would send a follow-up     |
| 23 | letter to them and make sure everyone got a chance to look  |
| 24 | at my proposal.   |
| 25 | Q. Okay. During this process of negotiating,                |

| 1  | describe for us in a summary way what you were telling      |
|----|---|
| 2  | these people.   |
| 3  | A. What I did Obviously, I sent the letter and I            |
| 4  | explained what we tried to do. And a lot of people would    |
| 5  | call because they didn't fully understand it, and a lot of  |
| 6  | these people are not sophisticated oil and gas people.      |
| 7  | So I made sure that I would start at the                    |
| 8  | beginning. I would say what happened with the well, that    |
| 9  | C&K Petroleum drilled the well to the Morrow formation,     |
| 10 | they produced it for a couple of months, that they          |
| 11 | determined that production was insufficient and plugged the |
| 12 | well and went about their business, that my partner and I   |
| 13 | felt like there was a zone in the well that could be re-    |
| 14 | entered and maybe produced and that C&K had gone off and    |
| 15 | left some gas in the ground.                                |
| 16 | I said, We would like to lease all the minerals             |
| 17 | out there and include them in the unit so that they could   |
| 18 | be included as a royalty owner when we re-entered the well, |
| 19 | and hopefully produced from the Strawn formation.           |
| 20 | I made sure to tell all of them that this is not            |
| 21 | like the Beverly Hillbillies, that they had very small      |
| 22 | interests, nobody's going to get very rich, and that as a   |
| 23 | royalty owner hopefully they would receive enough revenue   |
| 24 | to buy dinner a couple of times a year.                     |
| 25 | That was the basic story, and if they had more              |
| 25 | That was the basic story, and it they had more              |

questions I certainly answered them. 1 The next Exhibit, 6, is correspondence dated 2 Q. March 22nd of 1994. What's the basis for sending this 3 letter? 4 By March we determined that we had leased most of 5 Α. what we were going to get, and we felt like the people that 6 7 were remaining out there wanted to participate, or at least have that option. 8 So we sent a letter asking all of them to 9 participate -- we sent it by certified mail so that we 10 could determine that they received it -- and asking them to 11 12 join us in the well. And how did you send this letter? 13 Q. We did send it by certified mail, return receipt 14 Α. 15 requested. Attached to that letter are what, sir? 16 Q. The copies of the green cards that were returned 17 Α. by the post office with the receiving party's signature. 18 19 Q. Now, this would have gone out to more parties than you received green cards back? 20 21 Α. That is correct. So you've sent it to everyone that was unleased 22 Q. 23 at that point? Yes, we did. Α. 24 And the documentation shows only those that 25 0.

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| 1  | actually got the notice?                                  |
| 2  | A. That is correct.                                       |
| 3  | Q. All right, sir. Let's turn now to Exhibit Number       |
| 4  | 7. We've gone from March 22nd. Exhibit 7 is a letter of   |
| 5  | April 22nd?   |
| 6  | A. Yes, sir.  |
| 7  | Q. What's the reason you sent this letter?                |
| 8  | A. By April 22nd, we hadn't heard back from many of       |
| 9  | the parties. You know, we had only heard back from a few  |
| 10 | of them as to whether they wanted to participate or not.  |
| 11 | So I sent another letter trying to point out how          |
| 12 | important it was and that they needed to please make a    |
| 13 | decision and return their and notify me of what they      |
| 14 | wanted to do.   |
| 15 | Q. Were you offering these parties the opportunity        |
| 16 | to participate in the well?                               |
| 17 | A. Yes, I was.  |
| 18 | Q. That was an alternative solution to leasing?           |
| 19 | A. Yes, sir. In my letter I offered them the              |
| 20 | opportunity to participate and to If they still didn't    |
| 21 | want to participate, I offered to lease from them again.  |
| 22 | Q. All right. As part of this correspondence, did         |
| 23 | you provide these potential participants with a proposed  |
| 24 | AFE and an indication of the costs that you were working  |
| 25 | with so that they would have some range of expectation on |

the costs? 1 Yes, sir. The first letter, Exhibit 6, the March Α. 2 3 22nd letter, included an AFE with the full cost of the re-4 entry. Okay. Did you advise them of your intent to 5 Q. 6 charge the interest owners with a valuation of the existing 7 wellbore? Yes, sir, we included in that letter the fact 8 Α. 9 that we would expect them to pay their share of our estimated value of the wellbore, being \$95,000. 10 Mr. Naumann has provided you with his estimate of 11 Q. the value of the existing wellbore? 12 13 Α. Yes, sir, he has. And that was the \$95,000 and you communicated 14 Q. that to all these people? 15 Yes, I did. 16 Α. In addition, you sent them an itemized AFE of the 17 Q. re-entry recompletion costs? 18 Yes, I did. 19 Α. 20 Okay. Let's turn now to the next topic, and that Q. is a notification. It's marked Exhibit 8, and it's dated 21 Describe what you've done here. May 4th. 22 This is a copy of a letter dated May 4th, which 23 Α. was prepared by Mr. Kellahin, stating the notice of 24 compulsory pooling. We mailed it to all of the owners who 25

| 1  | we knew of that had not made an election to participate or |
|----|--|
| 2  | lease.   |
| 3  | We sent the letter certified mail to all the               |
| 4  | parties, it described the fact that we were going to have  |
| 5  | this hearing, that they were welcome to come and present   |
| 6  | evidence and participate in the procedure.                 |
| 7  | Q. All right. And this mailing went out of your            |
| 8  | office, out of under your direction?                       |
| 9  | A. Yes. I personally mailed all of these certified         |
| 10 | mail, return receipt requested.                            |
| 11 | Q. And were they mailed more than 20 days prior to         |
| 12 | the hearing?   |
| 13 | A. Yes, sir, they were. They were mailed, most of          |
| 14 | them, on May 6th.  |
| 15 | Q. In addition to the conventional green cards that        |
| 16 | you've attached copies of, there is a notice that's a      |
| 17 | little different. The first receipt after the notice       |
| 18 | letter, explain to the Examiner what that is.              |
| 19 | A. This is a copy This is for a registered                 |
| 20 | letter. One of the owners, Carlos Orosco, lives in         |
| 21 | England, and you can't send certified mail to England; you |
| 22 | have to send registered mail.                              |
| 23 | I did the same on the first letter, offering to            |
| 24 | ask them to participate. His card was returned. As of      |
| 25 | now, I have not received his card back for this registered |

|    | 20  |
|----|---|
| 1  | mail; however, he has called and left a message on my voice |
| 2  | mail, so I believe he has received it.                      |
| 3  | Q. Let me turn to Exhibit 9. Having gone through            |
| 4  | all this effort to consolidate on a voluntary basis the     |
| 5  | various interest owners, do you now have a tabulation of    |
| 6  | those interest owners for which you have not yet been able  |
| 7  | to obtain an agreement?                                     |
| 8  | A. Yes, sir. This Exhibit 9 represents only the             |
| 9  | parties who have not leased or have not paid their share of |
| 10 | the well cost and signed contracts yet.                     |
| 11 | Q. There is a code. If you read along the first             |
| 12 | column and after the word "Key" and before the word         |
| 13 | "Owner", there's another column. What do those codes mean?  |
| 14 | A. There are four of them in this column, four              |
| 15 | different codes.  |
| 16 | The "N" means I've had no response but I have a             |
| 17 | green card from them.                                       |
| 18 | The "U" means that I apparently have a bad                  |
| 19 | address and have been unable to locate the Party.           |
| 20 | "P" says they have agreed to participate, but               |
| 21 | they have yet to pay their share.                           |
| 22 | And "F" means, I believe, they will agree to farm           |
| 23 | out, however we do not have formal agreement yet.           |
| 24 | Q. With regards to those addresses over the course          |
| 25 | of your activity for which you got an envelope back and it  |

| 1  | was obvious to you that you were not communicating with     |
|----|---|
| 2  | them, what did you do to see if you could get a better      |
| 3  | address?  |
| 4  | A. I In each case, when I got a card back, I went           |
| 5  | back to the tax office, tried to find a newer, more recent  |
| 6  | address, went to the post office or to the phone book to    |
| 7  | look for the name and another possible address.             |
| 8  | If those two failed and didn't turn up a newer              |
| 9  | address, then I called different people in Carlsbad who had |
| 10 | similar last names and, in some cases, people who were      |
| 11 | offset owners, owned adjacent lots or something like that,  |
| 12 | trying to locate some of these parties.                     |
| 13 | Most of the ones that were not located do not               |
| 14 | live there, they reserved the minerals sometime back.       |
| 15 | Q. Let's deal with some specific issues, and perhaps        |
| 16 | we can use this Exhibit 9 to illustrate that.               |
| 17 | If you'll turn to the second to the last page,              |
| 18 | and if you'll read down towards the middle of page number   |
| 19 | 6, find the lease that you've numbered as lease 381.        |
| 20 | A. Okay.  |
| 21 | Q. That has to do with a town lot number 9 that is          |
| 22 | shown under Clydine Wiley?                                  |
| 23 | A. Yes, sir.  |
| 24 | Q. For your information, as you know, the Division          |
| 25 | has received correspondence from Ms. Wiley's attorney       |

|    | 22  |
|----|---|
| 1  | indicating that there were two additional parties that      |
| 2  | owned minerals within lot 9 that had not received notice.   |
| 3  | Describe for us what's occurred.                            |
| 4  | A. In this case You may note that many of the               |
| 5  | addresses are very long and have a lot of names. They're    |
| 6  | joint ownership.  |
| 7  | In this case, Clydine K. Lara Wiley should have             |
| 8  | been We removed the other names and intended to put "et     |
| 9  | al." after it, and it was a scrivener error. We felt like   |
| 10 | we were giving them all notice when we were notifying her   |
| 11 | that at her address, which was the address on the deed,     |
| 12 | but we should have had it labeled, her, her brother and her |
| 13 | mother.   |
| 14 | Q. Other than that clerical error with regards to           |
| 15 | tract 381, are you aware of any other tracts for which you  |
| 16 | have not attempted to notify people that you knew had an    |
| 17 | interest?   |
| 18 | A. I believe I really believe we have notified              |
| 19 | everybody fully.  |
| 20 | Q. All right. The interest owners on Exhibit 9 are          |
| 21 | unleased mineral owners, are they not?                      |
| 22 | A. With the exception of Enron Oil and Gas and OXY          |
| 23 | U.S.A.  |
| 24 | Q. All right, and those are the last two entries            |
| 25 | shown on here, and you're about to complete transactions    |

| 1  | with both of these companies, are you not?                 |
|----|--|
| 2  | A. I believe so.   |
| 3  | And there is one other exception: J.R. Rowan,              |
| 4  | Inc., has just sent me correspondence. J.R. Rowan and his  |
| 5  | wife own the minerals; they lease to J.R. Rowan, Inc., and |
| 6  | intend to participate with that lease.                     |
| 7  | Q. Do you have a recommended solution for the              |
| 8  | Examiner with regards of how you and your partner want to  |
| 9  | handle the interest owners in Tract 381, Ms. Wiley and her |
| 10 | brother and the individual with the life estate? What      |
| 11 | would you like to do?                                      |
| 12 | A. I think in that case that it wouldn't be                |
| 13 | unreasonable for us to continue to attempt to negotiate an |
| 14 | agreement whereby they would either participate or lease.  |
| 15 | But in the failure of that, my partner and I               |
| 16 | would be perfectly willing to pay their share. It's an     |
| 17 | extremely small interest, and I don't think that would be  |
| 18 | unreasonable.  |
| 19 | Q. Well, and that's the best possible world: You           |
| 20 | pay their share, and if there's production they get their  |
| 21 | share free of cost?  |
| 22 | A. That is correct.  |
| 23 | Q. All right. Other than Ms. Wiley's issue, the            |
| 24 | Division has received correspondence from Mr. Bill Taylor  |
| 25 | in which he raises the issue of paying a proportionate     |

|    | 24   |
|----|--|
| 1  | share of the value of the existing wellbore. Are you aware |
| 2  | of that correspondence?                                    |
| 3  | A. Yes, sir, I received a copy of that.                    |
| 4  | Q. Do you have any information or documentation to         |
| 5  | indicate that Mr. Taylor in fact actually paid for a share |
| 6  | of the C&K well when it was drilled?                       |
| 7  | A. The only information I have that leads to that is       |
| 8  | his saying he had paid his share. However, my notes        |
| 9  | indicate that he had leased his minerals and was included  |
| 10 | as a royalty owner in the initial unit.                    |
| 11 | Q. Can you take Exhibit Number 1, the plat of all          |
| 12 | the tracts, and help us identify what you understand to be |
| 13 | the location of the mineral ownership of Mr. Taylor?       |
| 14 | A. Okay. Lot 15, Block E. He's in Lot 15 of Block          |
| 15 | E, which is I don't know if you can see the It would       |
| 16 | fall in the north half of                                  |
| 17 | Q. Hang on just a minute, we'll figure it out.             |
| 18 | A. Right here.   |
| 19 | MR. KELLAHIN: Mr. Examiner, I've had the witness           |
| 20 | point out to me what the tract is, and I've circled it in  |
| 21 | red on my copy of the display.                             |
| 22 | Q. (By Mr. Kellahin) Have you had discussions with         |
| 23 | Mr. Taylor?  |
| 24 | A. Yes, sir, I've talked to Mr. Taylor on the              |
| 25 | telephone.   |
|    |  |

|    | 23  |
|----|---|
| 1  | Q. Do you as a petroleum landman have any question          |
| 2  | about his right, title and interest to share in production  |
| 3  | from the Strawn?  |
| 4  | A. Other than the fact that he seemed to be                 |
| 5  | concerned about the quality of his title, I did not.        |
| 6  | Q. Okay. He raises for you the issue of whether or          |
| 7  | not he should have to compensate you for his proportionate  |
| 8  | share of your value of the existing wellbore; that was his  |
| 9  | issue, was it not?  |
| 10 | A. That is correct.   |
| 11 | Q. Apart from that issue, he said that he may want          |
| 12 | to participate in the well?                                 |
| 13 | A. He discussed that as a possibility. He also              |
| 14 | would prefer that we leased at a much higher royalty and    |
| 15 | bonus.  |
| 16 | Q. What is his net interest in the spacing unit?            |
| 17 | A. Mr. Taylor has a .000632 in the 307-acre unit.           |
| 18 | Q. Are you aware of any other interest owner that           |
| 19 | has come forward to you that's in a similar position as Mr. |
| 20 | Taylor?   |
| 21 | In other words, the assertion that he has paid              |
| 22 | for the existing wellbore when it was drilled in 1977 and   |
| 23 | therefore feels that he should not be required to pay again |
| 24 | for the re-entry?   |
| 25 | A. Mr. Taylor is the only party that's mentioned            |

that as a possibility. 1 Without committing you to a position and have to ο. 2 niggle over how to resolve that legal issue, what do you 3 4 propose to do with regards to Mr. Taylor's interest? 5 Α. My partner and I have discussed it, and if Mr. 6 Taylor can document in any manner that he's paid his share 7 of the well costs, we would be glad to -- we would, in effect, carry his share of the well cost. 8 Of the value of the --Q. 9 10 Α. -- the wellbore. -- the existing well and that he would be charged 11 0. only with his proportionate share for the future costs for 12 the re-entry and completion into the Strawn? 13 That's right, future costs beginning with the re-Α. 14 15 entry. Do you have a recommendation to the Examiner with 16 ο. regards to what overhead rates you propose to use for this 17 18 operation? Α. I believe we propose to use \$3500 as a drilling-19 well rate and \$350 as a producing-well rate. 20 21 Q. The Strawn is approximately what depth in this 22 area, Mr. Frye? 23 Α. It's just over 10,000 feet. MR. KELLAHIN: Mr. Examiner, the Ernst and Young 24 tabulation for 1993 shows that the monthly drilling well 25

| 1  | rate for wells at this depth is \$5462, the average monthly |
|----|---|
| 2  | producing well rate is \$548.                               |
| 3  | So this is substantially below average as                   |
| 4  | tabulated by the accountants.                               |
| 5  | Q. (By Mr. Kellahin) After this hearing, will you           |
| 6  | continue to negotiate and discuss and obtain leases from    |
| 7  | parties that have not yet leased with you?                  |
| 8  | A. I believe we will. I believe there are several           |
| 9  | parties that will elect to go ahead and lease.              |
| 10 | Q. At some point, however, you simply have to stop          |
| 11 | the process and you want the Division to issue you a        |
| 12 | pooling order so that you can utilize that in the event     |
| 13 | that you can't obtain leases?                               |
| 14 | A. Yes, we would very much like for the Commission          |
| 15 | to enter into a pooling order.                              |
| 16 | MR. KELLAHIN: That concludes my examination of              |
| 17 | Mr. Frye.   |
| 18 | We move the introduction of his Exhibits 1                  |
| 19 | through 9.  |
| 20 | EXAMINER CATANACH: Exhibits 1 through 9 will be             |
| 21 | admitted as evidence.                                       |
| 22 | Mr. Kellahin, do you know the order number that             |
| 23 | approved the original pooling?                              |
| 24 | MR. KELLAHIN: Yes, sir, we have copies of that.             |
| 25 | It's Order Number R-5451.                                   |

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| 1  | EXAMINATION   |
| 2  | BY EXAMINER CATANACH:                                       |
| 3  | Q. Mr. Frye, I'm a little bit curious and would like        |
| 4  | you to go into a little bit more on how you've allocated    |
| 5  | the mineral interests underneath the streets again.         |
| 6  | A. What I did is, I went on a lot-by-lot case, and I        |
| 7  | calculated I used this plat, which is also the same plat    |
| 8  | that the City of Carlsbad uses for their taxes and their    |
| 9  | streets and alleys. And where I could I went back to if     |
| 10 | I couldn't read the dimensions of the lots off the plat, I  |
| 11 | went back to the original subdivisions, I calculated        |
| 12 | basically the acreage for each lot out there and summed     |
| 13 | them up and came up with the 307, which, when I went back   |
| 14 | to verify that the patents were in fact a substandard       |
| 15 | section, it proved it out.                                  |
| 16 | Q. So you just more or less split the street in half        |
| 17 | and then allocated to the interest owner?                   |
| 18 | A. If a lot was, say, 100 feet by 50 feet and there         |
| 19 | was a 20-foot alley on one side and a 60-foot street on the |
| 20 | other, I would figure the area as being 140 by 50 square    |
| 21 | feet.   |
| 22 | Q. Are there any others where you could not do that,        |
| 23 | where there weren't interest owners adjacent to the street? |
| 24 | A. All the tracts are against the street somewhere,         |
| 25 | and the corner tracts, the corner lots, obviously, were     |

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against two streets and an alley. 1 This was originally -- You obtained the 2 0. Okav. lease from Merland; is that correct? 3 Merland, Inc., yes, sir. 4 Α. How much acreage did that lease contain? 5 ο. We described 35.5 acres. And in fact, it 6 Α. contains less because of the -- that southwest southwest 7 corner contains only 36.5 acres total, and Merland, Inc., 8 had already deeded out to what is now Santa Catarina 9 Cemetery Association. 10 Have you calculated what percentage of interest 11 Q. you have consolidated at this point? 12 13 Α. Yes, sir. On the back of Exhibit 2, on the last page, page 15, I have a breakdown by the various categories 14 15 we described later, down in the bottom left corner. It's the one that looks like this. 16 According to this, you're trying to force-pool 17 ο. about 12 percent of the interest? 18 Yes, sir. 19 Α. 20 And about one percent was unknown? Q. Unknown ownership, yes, sir. 21 Α. Unknown ownership, okay. 22 Q. Or -- I say unknown ownership; that's not fair. 23 Α. There are two very small tracts that I cannot determine who 24 And the remainder are unknown location; I can't 25 owns them.

| 1  | locate them.   |
|----|--|
| 2  | Q. Have you Since you found out about the Wiley            |
| 3  | interest, have you been in contact with those other        |
| 4  | parties?   |
| 5  | A. With No, I haven't. We found out about that,            |
| 6  | I believe, last Friday, and I have yet to contact them.    |
| 7  | Actually, I found about it Monday.                         |
| 8  | Q. Do you intend to contact those parties?                 |
| 9  | A. Oh, yes, I do.  |
| 10 | Q. And it's your testimony that you will carry those       |
| 11 | interests or pay for those interests?                      |
| 12 | A. I believe Clydine K. Lara Wiley was adequately          |
| 13 | notified. I believe her mother who has a life estate, and  |
| 14 | her brother who has a half interest as the remainderman, I |
| 15 | believe they did not receive proper notice, and I would    |
| 16 | carry those, yes, sir.                                     |
| 17 | Q. Carry Not the Clydine Wiley interest?                   |
| 18 | A. I believe that Clydine K. Lara Wiley owns a             |
| 19 | remainderman's interest in one half of that .000403 and    |
| 20 | that her brother owns a remainderman interest in the other |
| 21 | half of .000403. And so I But I believe her interest       |
| 22 | has been properly notified.                                |
| 23 | Q. So you would carry half of the .000403?                 |
| 24 | A. As a remainderman, and then all of it for the           |
| 25 | life estate of the mother.                                 |

Yeah, Constancio A. Lara is the mother -- Excuse 1 me, Josefina Lara is the mother. 2 I would appreciate it if you would keep the 0. 3 Division apprised of your negotiations with these parties 4 that you haven't identified, maybe send us copies of the 5 correspondence that you have with these parties. 6 7 Α. The future correspondence? Q. Yes, sir. 8 9 Α. Sure. The one party, I'm sorry, that you said lived in 10 Q. 11 England --12 Α. Yes, sir, Carlos Orosco. 13 -- did you say that he had received both the Q. original offer to participate? 14 He received the -- I know for it -- without a 15 Α. doubt that he received the initial offer to please 16 participate, the first certified letter. 17 18 Q. Okay. The second one I believe he's received, just 19 Α. 20 because he responded about the time he should have gotten it, but I haven't gotten his card back yet. 21 22 Q. The second letter being the -- ? The notice of the hearing. 23 Α. 24 Q. But you said you had something on your voice 25 mail?

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| 1  | A. He called and asked me to return his call, and he        |
| 2  | left a number, and I tried it and couldn't get through. I   |
| 3  | tried, I think, nine variations in the number with various  |
| 4  | country codes and county codes and was unable to ever get   |
| 5  | through.  |
| 6  | EXAMINATION   |
| 7  | BY MR. CARROLL:   |
| 8  | Q. Mr. Frye, I just have one question. Do you know          |
| 9  | the amount of consideration that was paid to Merland, Inc., |
| 10 | to obtain the lease from Merland?                           |
| 11 | A. Yes, I do. I bought a I got a short-term                 |
| 12 | lease from Merland, Inc., and I paid them a higher royalty  |
| 13 | than I did anyone else, but I did not pay any bonus.        |
| 14 | MR. CARROLL: That's all I have.                             |
| 15 | EXAMINER CATANACH: I think that's all we have,              |
| 16 | Mr. Frye. The witness may be excused.                       |
| 17 | THE WITNESS: Thank you very much.                           |
| 18 | MR. KELLAHIN: Call at this time Mr. Jack                    |
| 19 | Naumann.  |
| 20 | HENRY JACK NAUMANN,   |
| 21 | the witness herein, after having been first duly sworn upon |
| 22 | his oath, was examined and testified as follows:            |
| 23 | DIRECT EXAMINATION  |
| 24 | BY MR. KELLAHIN:  |
| 25 | Q. Mr. Naumann, would you please state your name and        |

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occupation? 1 Α. Henry Jack Naumann. I'm a geologist and oil and 2 gas operator in Midland. 3 4 Q. Summarize for us your education, sir. 5 Α. I have a bachelor of science degree from Texas 6 Tech University in geology. 7 Q. What is your relationship with Naumann Oil and 8 Gas, Inc.? I'm the president and sole owner. 9 Α. 10 With regards to this project, what are you trying Q. to do? 11 I'm trying to establish gas production out of the 12 Α. Strawn formation. 13 And is this something that you have done before 14 ο. in other formations, looking for wells to re-enter? 15 That's correct. I've done numerous different re-Α. 16 entries, mainly in Texas. The last one I did in New Mexico 17 18 was just north of Carlsbad. It was also in the Strawn 19 formation, a very similar situation to this, almost an identical zone. 20 When and where did you obtain your degree in 21 Q. geology? 22 Texas Tech. 23 Α. In what year, sir? 24 Q. 25 Α. 1979.

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| 1  | Q. How long have you been a practical oil and gas          |
| 2  | operator?  |
| 3  | A. Since 1986.   |
| 4  | MR. KELLAHIN: We tender Mr. Naumann as an expert           |
| 5  | geologist and as a practical oil and gas operator.         |
| 6  | EXAMINER CATANACH: Mr. Naumann is so qualified.            |
| 7  | Q. (By Mr. Kellahin) Before we look at your                |
| 8  | displays, describe for us your objective, the concept.     |
| 9  | What's the plan?   |
| 10 | A. Well, the basic plan here is to re-enter the old        |
| 11 | C&K Carlsbad Number 1 "7" Well, which was drilled to the   |
| 12 | Morrow formation. It was a marginal producer out of the    |
| 13 | Morrow. I believe it produced for less than a year. It     |
| 14 | was plugged and abandoned. The casing that was recoverable |
| 15 | was cut and pulled from the wellbore.                      |
| 16 | My plan is to re-enter the old well bore, drill            |
| 17 | the plugs out, attempt to tie back onto the cutoff casing, |
| 18 | cement it in place, and perforate, acidize and attempt to  |
| 19 | establish production from the Strawn carbonate.            |
| 20 | Q. Have you made a geologic investigation of your          |
| 21 | opportunity in the Strawn zone?                            |
| 22 | A. Yes, I've studied the Strawn out here, all              |
| 23 | throughout Eddy County, in the Carlsbad area, and this     |
| 24 | project was based upon, again, my knowledge and study of   |
| 25 | the Strawn and the success that I had to the north of town |
|    |  |

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and with analog producers that we have off to the east of 1 2 this, of the Carlsbad Number 1 "7" Well. Have you prepared any geologic displays of the 3 Q. Strawn? 4 5 Yes, the Exhibit Number 10. Α. Does this represent your work? 6 Q. 7 Yes, this does. Α. Describe for us what it shows. 8 0. Okay. Exhibit Number 10 is an isopach or a 9 Α. thickness map of what I'm calling the Third Strawn zone. 10 It's the third carbonate that's present from the top of the 11 Strawn formation. 12 This is our main objective on the re-entry of the 13 Carlsbad Number 1 "7" Well. And this map illustrates a 14 15 porosity cutoff of five percent or greater porosity which 16 is present, and this is from analysis of the downhole openhole logs on these wells. 17 It's my opinion that production occurs from five 18 19 percent or greater to make a commercial formation within the Strawn formation. 20 This map represents the total thickness of that 21 22 zone. If we look at Section 7 and look at the southwest 23 Q. quarter, it will be point A on the A-to-A' cross-section 24 we're going to show in a minute, but it's a well you have 25

| 1  | identified as potentially having six feet of net pay?       |
|----|---|
| 2  | A. Yes, sir, that's correct.                                |
| 3  | Q. With a porosity greater than five percent?               |
| 4  | A. That is correct.   |
| 5  | Q. Have there been any other attempts to produce the        |
| 6  | Strawn gas zone in the immediate vicinity?                  |
| 7  | A. The nearest completions are the ones that I've           |
| 8  | got designated with green circles around those. Those were  |
| 9  | Strawn producers.   |
| 10 | Q. If we look around the wellbore site, though, all         |
| 11 | these gas-well symbols, were those gas wells deep enough to |
| 12 | have intersected the Strawn zone?                           |
| 13 | A. Yes, that is correct. Those were all Morrow              |
| 14 | tests, and they did drill through the Strawn formation.     |
| 15 | Q. Were any of those ever produced out of the               |
| 16 | Strawn?   |
| 17 | A. No, none of those were.                                  |
| 18 | Q. How would you identify the level of risk of              |
| 19 | obtaining commercial production out of the Strawn zone?     |
| 20 | A. Well, there's several risks that we're going to          |
| 21 | look at in here. Number one is the re-entry itself. The     |
| 22 | re-entries are obviously a very risky business. We have     |
| 23 | several things which I'll comment on here later, as far as  |
| 24 | the risk with the re-entry.                                 |
| 25 | The geological risk, my map here indicates that             |

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| 1  | we have potential porosity development across the west half |
| 2  | of Section 7. However, we have no indication, no control    |
| 3  | up to the north.  |
| 4  | The geological risk that we're dealing with here            |
| 5  | is the areal extent of the reservoir. We could be dealing   |
| 6  | with a very small reservoir which could potentially give    |
| 7  | gas up, but of noncommercial rates.                         |
| 8  | Q. Go into Section 8 and the north half of 17.              |
| 9  | Those were the three wells that did produce Strawn gas?     |
| 10 | A. Yes, sir.  |
| 11 | Q. And that is separated from your well by a well in        |
| 12 | the east half, east half of 7 and has one foot?             |
| 13 | A. Yes, sir, that's correct.                                |
| 14 | Q. Okay. Let's turn to the cross-section, Exhibit           |
| 15 | Number 11, and specifically look at this zone of interest.  |
| 16 | How have you identified your target zone on the             |
| 17 | cross-section? Is there a color code?                       |
| 18 | A. Yes. If you notice, the zone, the objective              |
| 19 | zone, is colored in blue. And I've highlighted the          |
| 20 | porosity greater than five percent in orange; it's colored  |
| 21 | in orange.  |
| 22 | Q. Is there any inherent difficulty or complexity           |
| 23 | that challenge you as a geologist to using the quality or   |
| 24 | type of log for the Carlsbad "7" Well in order to make your |
| 25 | analysis?   |
|    |   |

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| 1  | A. Yes, we have two different types of porosity logs        |
| 2  | that I've got present here on the cross-section.            |
| 3  | Unfortunately, these are the only logs that were run across |
| 4  | these wells.  |
| 5  | Our objective well, the C&K Carlsbad 1-7, was               |
| 6  | logged with an acoustic velocity log, which basically       |
| 7  | identifies primary porosity. This is not a great tool for   |
| 8  | the Strawn out in through here, and as you can see it does  |
| 9  | not identify, just what appears to be an extremely thick    |
| 10 | zone.   |
| 11 | So there is a risk as far as we're looking at               |
| 12 | there, as far as the quality that we have.                  |
| 13 | Q. The log is sufficient that you can correlate this        |
| 14 | zone and at least identify it as a Strawn that is           |
| 15 | correlative to the Strawn on the other wells in the cross-  |
| 16 | section?  |
| 17 | A. That's correct. If you notice on the cross-              |
| 18 | section, again, what I've identified there in the heavy     |
| 19 | black is Carlsbad Strawn pay, the third Strawn zone, which  |
| 20 | is the thickness map of the isopach, that it does correlate |
| 21 | to the producing wells off to the east.                     |
| 22 | Q. And that is the primary best potential in the re-        |
| 23 | entry, is looking at this third zone, if you will, of the   |
| 24 | Strawn?   |
| 25 | A. That's correct. That's the one and only                  |
|    |   |

objective that we really have within this wellbore. 1 In terms of a percentage, what would you assign ο. 2 as the risk to the geologic component of the reservoir? 3 At least 200 percent. I would feel that it would Α. 4 5 be higher, actually, as far as the geological risk goes. ο. Let's turn to the mechanical risk, the risk б 7 involved in actually doing this work. Have you prepared a schematic that shows us the 8 current configuration of the wellbore? 9 Yes, that's Exhibit Number 12. 10 Α. Describe for us what this shows. 11 Q. This is a schematic of the wellbore as it is 12 Α. situated today. This was taken from the New Mexico Oil and 13 Gas Commission records as provided by C&K from the 14 inception of drilling the well to the date that it was 15 plugged. 16 When C&K abandoned this well, describe for us 17 ο. using this illustration what they did to abandon the well. 18 The first thing that C&K did is, they attempted Α. 19 to retrieve their 5-1/2-inch casing, which was the 20 production casing set in the well to produce the Morrow. 21 They attempted to shoot this off at 10,000 feet and found 22 that they could not free the casing, which was possibly due 23 24 to cement. There is no bond log that is available on this 25 well.

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They then -- Since they could not pull the casing 1 free, they then went up to a point at 7620 feet, shot and 2 successfully pulled 7620 foot of 5-1/2-inch casing from the 3 wellbore. 4 At that point, they then set the required plugs, 5 which were four, which are identified on the schematic, and 6 7 successfully plugged and abandoned the well. Have you utilized Division records to calculate 0. 8 what in your opinion is the top of the cement in the 9 wellbore? 10 Yes, actually I had a reservoir -- a drilling 11 Α. 12 engineer calculate the recorded volumes as reported by C&K for this cement and the borehole volumes as identified on 13 the caliper logs of the downhole logs, and he came up with 14 15 an approximate calculated top of the cement of 9000 feet. 16 Q. With C&K having pulled the 5-1/2-inch casing at 17 approximately 7620 --18 Α. Uh-huh. -- what is the status of your wellbore from there 19 Q. 20 on up to the surface? From there to the surface we have an open-hole 21 Α. gap, from 7620 to 2625. That depth is where the last 22 casing was set and left in the hole, which is 10-3/4-inch, 23 which is remaining. 24 25 So we have a gap, an open-hole gap, from 2625 to

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| 1  | 7620. There are four plugs from that point up to the top    |
|----|---|
| 2  | of the surface of the wellbore.                             |
| 3  | Q. As an operator, Mr. Naumann, identify for us the         |
| 4  | areas of potential risk that you face in re-entering this   |
| 5  | well and establishing at least the opportunity to test the  |
| 6  | Strawn.   |
| 7  | A. Well, the greatest risk that we're going to deal         |
| 8  | in through here There's several.                            |
| 9  | The first is, once we drill through these initial           |
| 10 | plugs which are situated inside the surface casing, we have |
| 11 | two plugs which are situated inside the open hole at 5000-  |
| 12 | foot range. There's an obvious risk of stabbing and         |
| 13 | getting realigned or not aligned within the wellbore and    |
| 14 | actually going off in the formation. And once that occurs,  |
| 15 | it's extremely difficult to get back into the wellbore.     |
| 16 | The second thing is to tie back onto the shot off           |
| 17 | casing. That can be somewhat difficult at times. It         |
| 18 | requires several days of delicate work to attempt to dress  |
| 19 | the top of the stub to make it sufficient where we could    |
| 20 | attempt to tie back on with additional 5-inch casing.       |
| 21 | The third risk that we're dealing with is the               |
| 22 | spot at 10,000 foot where they attempted to shoot the       |
| 23 | casing off. We have no idea what the situation of that is.  |
| 24 | It could be a collapsed casing; we just don't know. We      |
| 25 | could successfully tie on at 7620 and find out at 10,000    |

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|----|---|
| 1  | feet. That's as far as we can go do a collapsed situation.  |
| 2  | So that's obviously an inherent risk.                       |
| 3  | Q. Do you have an opinion in terms of a percentage,         |
| 4  | the level of risk that you're undertaking and assuming as   |
| 5  | an operator for the mechanical portion, re-establishing the |
| 6  | opportunity in the Strawn?                                  |
| 7  | A. Yes, I feel at least 200 percent as far as the           |
| 8  | risk of the re-entry.                                       |
| 9  | Q. Have you made an investigation of what the future        |
| 10 | costs are to take the well as it exists now and attempt to  |
| 11 | establish production?                                       |
| 12 | A. Yes, I've prepared an Authority for Expenditure,         |
| 13 | which is listed as Exhibit Number 13, and this is an        |
| 14 | estimated cost. We put approximately a five- to ten-        |
| 15 | percent contingency onto this.                              |
| 16 | This AFE calls for \$330,230 to successfully re-            |
| 17 | enter, tie back on and establish production within the      |
| 18 | Strawn formation.   |
| 19 | Q. Apart from the value of the existing wellbore,           |
| 20 | then, Exhibit 13 represents future costs?                   |
| 21 | A. That is correct.   |
| 22 | Q. Is this the same exhibit that Mr. Frye has               |
| 23 | circulated to all the potential participants in the well?   |
| 24 | A. Yes, sir, it is.   |
| 25 | Q. Summarize for us the costs.                              |

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| 1  | A. Basically you have your initial damages as far as        |
| 2  | your surface, your location, your re-entry, which is listed |
| 3  | there as a drilling footage rate, which actually we don't   |
| 4  | have a drilling rig out here, but a re-entry rig, which is  |
| 5  | done on an hourly or daily basis.                           |
| 6  | You have any additional drilling cost that's over           |
| 7  | and above the contract, that I agree with, with the         |
| 8  | contractors, bit cost, fuel cost, any type of mud or        |
| 9  | chemicals that's required to potentially get us a little    |
| 10 | easier down into the wellbore.                              |
| 11 | We have cement cost, casing cost, test cost.                |
| 12 | We'll have to go down and test the zone at 10,000 and       |
| 13 | pressure up and potentially squeeze that zone with cement.  |
| 14 | And additional noncontrollable rental-type                  |
| 15 | services as far as to get us to tie back on.                |
| 16 | Other than that, when we go in to complete we'll            |
| 17 | have  |
| 18 | Q. At this point, then, before completion, then,            |
| 19 | your estimation is that it could cost \$135,000-plus?       |
| 20 | A. Yes, sir, that's correct.                                |
| 21 | Q. All right. You get to that point, then.                  |
| 22 | Summarize for us what is the total cost attributed to       |
| 23 | completing the well.  |
| 24 | A. If we're successful from that point, the                 |
| 25 | approximate cost would be \$194,700.                        |

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| 1  | Q. What is your expectation with regards to any             |
| 2  | stimulation program required for completing the well?       |
| 3  | A. The Strawn formation out here is It's rather             |
| 4  | unique. It requires a fairly large an acid-frac type of     |
| 5  | treatment. You have to initially go in with a small         |
| 6  | stimulation and then follow it up by a rather expensive     |
| 7  | gelled-acid job to establish production.                    |
| 8  | Q. Assuming you're successful, what are the total           |
| 9  | completion costs estimated for the well?                    |
| 10 | A. The estimated total completion cost is \$330,200.        |
| 11 | Q. Of which \$194,000-plus is attributed to the             |
| 12 | actual completion and the tubulars and others incidental to |
| 13 | that activity?  |
| 14 | A. Yes, sir, that is correct.                               |
| 15 | Q. Was this AFE prepared with the assistance of             |
| 16 | drilling and completion engineers that had expertise with   |
| 17 | regards to this topic?                                      |
| 18 | A. Yes, sir, that is correct.                               |
| 19 | Q. In your opinion, do you believe this AFE to be           |
| 20 | fair and reasonable?  |
| 21 | A. Yes.   |
| 22 | Q. Let's address, now, the valuation of the existing        |
| 23 | wellbore.   |
| 24 | A. Okay.  |
| 25 | Q. Identify for us Exhibit Number 14. What does             |

| 1  | that show?  |
|----|---|
| 2  | A. Exhibit Number 14 is another Authority or AFE,           |
| 3  | Authority for Expenditure.                                  |
| 4  | This was prepared for me by Moore and Associates            |
| 5  | of Odessa, Texas, who is an independent drilling            |
| 6  | consultant.   |
| 7  | They came up with a proposal as if we were going            |
| 8  | to drill the well from start to finish as a Strawn test.    |
| 9  | Q. And what is their estimate of a new Strawn test          |
| 10 | well in this area?  |
| 11 | A. For a completed Strawn test, their estimation            |
| 12 | comes up to be \$639,225.                                   |
| 13 | Q. How does this number compare to what C&K advised         |
| 14 | the Division was their anticipated cost of the well         |
| 15 | originally when they drilled it back in 1977?               |
| 16 | A. From the AFE that I have seen from the records,          |
| 17 | in 1977 this is within, I think, \$2000 of the original AFE |
| 18 | that C&K came up with in 1977.                              |
| 19 | Q. How do you propose, Mr. Naumann, to attribute            |
| 20 | those costs and relate it back to present value of the      |
| 21 | existing wellbore, as you now have it?                      |
| 22 | A. Well, the way we look at this, the wellbore, the         |
| 23 | way it's situated out there currently, actually has a       |
| 24 | little bit more value than as if you were going You         |
| 25 | don't have a dryhole sitting there; you actually have some  |

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| 1  | casing which is in place, which again has value.             |
| 2  | So to get to the point where we are, the                     |
| 3  | estimated dry hole cost is \$406,000. We're actually         |
| 4  | probably dealing with a little bit more.                     |
| 5  | Q. So if we're dealing with dryhole costs of a               |
| 6  | little over \$400,000, how far have you apportioned or taken |
| 7  | a percentage of that to come up with a value for the         |
| 8  | existing wellbore that you're allocating back to the         |
| 9  | interest owners?   |
| 10 | A. We've come up with approximately a 25-percent             |
| 11 | figure.  |
| 12 | Q. So 25 percent of what it would cost you currently         |
| 13 | to do the work is assigned back to the existing value of     |
| 14 | this wellbore, and that's the \$95,000?                      |
| 15 | A. Yes, sir, that's correct.                                 |
| 16 | Q. In your opinion, is that a fair and reasonable            |
| 17 | way to allocate a determined value for the existing          |
| 18 | wellbore?  |
| 19 | A. Yes, I believe it is.                                     |
| 20 | MR. KELLAHIN: That concludes my examination of               |
| 21 | Mr. Naumann, Mr. Examiner.                                   |
| 22 | We move the introduction of his Exhibits 10                  |
| 23 | through 14.  |
| 24 | EXAMINER CATANACH: Exhibits 10 through 14 will               |
| 25 | be admitted as evidence.                                     |

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| 1  | EXAMINATION   |
| 2  | BY EXAMINER CATANACH:                                       |
| 3  | Q. Mr. Naumann, what is the actual value you've come        |
| 4  | up with as far as the value of the wellbore?                |
| 5  | A. Actually, we came up with \$95,000, which was            |
| 6  | based upon the AFE that I had, and my engineers had         |
| 7  | prepared for me in-house, which our AFE was, I believe I    |
| 8  | do not have that present, but I believe it was just a few   |
| 9  | thousand dollars' difference than the AFE prepared by Moore |
| 10 | and Associates.   |
| 11 | Q. The exact \$95,000 was arrived at how?                   |
| 12 | A. Through the AFE prepared for me in-house. If you         |
| 13 | use the 25-percent figure that we used on this \$406,000, I |
| 14 | think it comes out to like \$98,000. Actually a little      |
| 15 | higher.   |
| 16 | Q. \$101,000 actually.                                      |
| 17 | A. Is it \$101,000?   |
| 18 | Q. So you have an in-house AFE that's lower than            |
| 19 | A. It's a little bit lower, that's correct.                 |
| 20 | Q. How did you arrive at 25 percent?                        |
| 21 | A. Well, the 25-percent figure was based on a lot of        |
| 22 | the assumptions of penalties that we've been attributed to  |
| 23 | dealing with major oil companies on some of the terms that  |
| 24 | we've had to go under with them on certain ventures, be it  |
| 25 | backends or farmouts or whatever.                           |

| 1  | Q. Are you talking about an exact kind of situation         |
|----|---|
| 2  | that you've dealt with major oil companies on?              |
| 3  | A. Oh, sure, I've, you know, dealt with those guys          |
| 4  | on or different companies, and actually I've had up to      |
| 5  | 33- and 50-percent figures. I felt the 25 percent was on    |
| 6  | the low end.  |
| 7  | Q. Have you As far as the Enron and OXY                     |
| 8  | interests, have they agreed to this amount?                 |
| 9  | A. I am not aware if they have or have not. I think         |
| 10 | Mr. Frye might be able to answer that. I believe we've      |
| 11 | come to terms with the lease or farmout with OXY and Enron  |
| 12 | groups or   |
| 13 | EXAMINER CATANACH: Let me ask Mr. Frye. Go                  |
| 14 | ahead, Mr. Frye, go ahead and answer that question if you   |
| 15 | can.  |
| 16 | MR. FRYE: We're still negotiating with them. Of             |
| 17 | course, they're not We don't have a formal agreement        |
| 18 | from Enron, and we're still looking at OXY's.               |
| 19 | In neither case have they allowed us to include             |
| 20 | the costs, the value of the wellbore in Well, I guess in    |
| 21 | either case it didn't into a payout because they're just    |
| 22 | getting an override. So now that I think about it, it's     |
| 23 | not been addressed; it's unnecessary in the direction we're |
| 24 | going in.   |
| 25 | MR. KELLAHIN: I'm not sure he didn't confuse                |

1 you. 2 MR. FRYE: Yeah. MR. KELLAHIN: The arrangement with Enron and OXY 3 4 is intended to be where their interest is carried. They're 5 going to receive an override. And so the allocation of 6 costs of the current wellbore is not a component of those 7 deals. They're going to have to pay for it. 8 EXAMINER CATANACH: Okay. MR. FRYE: Much better. 9 10 Q. (By Examiner Catanach) Mr. Naumann, the Strawn well in the northeast quarter of Section 8, is that a 11 commercial Strawn well? 12 With the six-foot designation? 13 Α. Yes, sir. 14 ο. Yes, that is a commercial well. 15 Α. Was the Strawn interval not tested in the 16 0. 17 wellbore, in this wellbore? In the C&K 1 "7", no, it was not. 18 Α. 19 You've got pretty good well control around that ο. 20 wellbore; is that correct? 21 We have good well control off to the east and to Α. 22 the west. Obviously with the town of Carlsbad there are no 23 wells to the north, so we have no control to the north. Is there any other potential in the wellbore 24 Q. besides the Strawn? 25

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| 1  | A. Not that I have seen. I feel that basically this         |
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| 2  | is going to be a Strawn or nothing for us.                  |
| 3  | EXAMINER CATANACH: That's all we have, Mr.                  |
| 4  | Kellahin.   |
| 5  | MR. KELLAHIN: That concludes our presentation,              |
| 6  | Mr. Examiner.   |
| 7  | (Off the record)  |
| 8  | EXAMINER CATANACH: Thomas, excuse me, we're not             |
| 9  | done with you. Maybe you can address these issues.          |
| 10 | Mr. Kellahin, insofar as the interests that were            |
| 11 | not notified of this proceeding                             |
| 12 | MR. KELLAHIN: Yes.  |
| 13 | EXAMINER CATANACH: we've come up with a                     |
| 14 | couple of suggestions.                                      |
| 15 | We'd like for you to try and obtain a waiver of             |
| 16 | notice for the hearing, a waiver of objection to not being  |
| 17 | provided notice of the hearing.                             |
| 18 | MR. KELLAHIN: Okay.   |
| 19 | EXAMINER CATANACH: Or if you Or if the                      |
| 20 | Applicant does make a deal with these parties, I think that |
| 21 | would be sufficient to waive the notice requirement.        |
| 22 | But I think at this point we'll take the case               |
| 23 | under advisement, but I think those interest owners still   |
| 24 | have the opportunity to object, and if they object we'll    |
| 25 | re-open the case.   |

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| 1  | MR. KELLAHIN: Well, I don't think there's any  |
| 2  | question they would have that opportunity.   |
| 3  | EXAMINER CATANACH: So I think you need to either   |
| 4  | get a waiver or reach an agreement with these parties, some  |
| 5  | kind of agreement.   |
| 6  | MR. KELLAHIN: That's our intent, Mr. Examiner.   |
| 7  | I think Mr. Frye has done an incredible job with   |
| 8  | almost 300 interest owners, and to have one glitch like  |
| 9  | this is amazing. And we'll do what he just offered to do;  |
| 10 | we'll continue to talk to them, we'll notify them, we'll   |
| 11 | specify the opportunity. They can come back to open this   |
| 12 | case up if they care to discuss these issues.  |
| 13 | But I'm hopeful we can resolve it and this tiny  |
| 14 | little interest is not an issue for anybody.   |
| 15 | EXAMINER CATANACH: Okay. Well, keep us posted  |
| 16 | on the efforts and what's going on.  |
| 17 | There being nothing further in this case, Case   |
| 18 | 10,979 will be taken under advisement.   |
| 19 | (Thereupon, these proceedings were concluded at  |
| 20 | 9:30 a.m.)   |
| 21 | * * *  |
| 22 | the second second is   |
| 23 | <b>I do</b> hereby certify that the foregoing is<br><b>a complete record of the proceedings in</b> |
| 24 | the Examiner hearing of Case No. 10919,<br>heard by me on 144, 26 1994                             |
| 25 | Dawith Cotanh, Examiner  |
|    | Oil Conservation Division  |
|    | CUMBRE COURT REPORTING   |

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| 1  | CERTIFICATE OF REPORTER                                     |
| 2  |   |
| 3  | STATE OF NEW MEXICO )                                       |
| 4  | ) ss.<br>County of Santa FE )                               |
| 5  |   |
| 6  | I, Steven T. Brenner, Certified Court Reporter              |
| 7  | and Notary Public, HEREBY CERTIFY that the foregoing        |
| 8  | transcript of proceedings before the Oil Conservation       |
| 9  | Division was reported by me; that I transcribed my notes;   |
| 10 | and that the foregoing is a true and accurate record of the |
| 11 | proceedings.  |
| 12 | I FURTHER CERTIFY that I am not a relative or               |
| 13 | employee of any of the parties or attorneys involved in     |
| 14 | this matter and that I have no personal interest in the     |
| 15 | final disposition of this matter.                           |
| 16 | WITNESS MY HAND AND SEAL May 29th, 1994.                    |
| 17 | Stitute Barris  |
| 18 | STEVEN T. BRENNER   |
| 19 | CCR No. 7   |
| 20 |   |
| 21 | My commission expires: October 14, 1994                     |
| 22 |   |
| 23 |   |
| 24 |   |
| 25 |   |