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STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

COPY

IN THE MATTER OF THE APPLICATION OF THE
BOARD OF COUNTY COMMISSIONERS OF RIO ARRIBA
COUNTY FOR CANCELLATION OR SUSPENSION OF
APPLICATIONS FOR PERMITS TO DRILL (APDs)
FILED BY APPROACH OPERATING, LLC, RIO
ARRIBA COUNTY, NEW MEXICO.

CASE NO. 14134

IN THE MATTER OF THE APPLICATION OF
APPROACH OPERATING, LLC, FOR APPROVAL OF
SIX APPLICATIONS FOR PERMITS TO DRILL,
RIO ARRIBA COUNTY, NEW MEXICO

CASE NO. 14141

REPORTER'S TRANSCRIPT OF PROCEEDINGS
SPECIAL EXAMINER HEARING

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BEFORE: DAVID K. BROOKS, Legal Examiner

June 20, 2008

Santa Fe, New Mexico

This matter came for hearing before the New Mexico Oil
Conservation Division, DAVID K. BROOKS, Legal Examiner, on
June 20, 2008, at the New Mexico Energy, Minerals and Natural
Resources Department, 1220 South St. Francis Drive, Room 102,
Santa Fe, New Mexico.

REPORTED BY: JOYCE D. CALVERT, P-03
Paul Baca Court Reporters
500 Fourth Street, NW, Suite 105
Albuquerque, New Mexico 87102

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A P P E A R A N C E S

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1 MR. BROOKS: Okay. I believe it's now 9 o'clock.
2 We'll call this hearing to order. We are on the record in
3 Docket No. 2008. This is a special hearing docket convened by
4 the New Mexico Oil Conservation Division to hear Case
5 Nos. 14134 and 14141. I am David Brooks. I am the Hearing
6 Examiner appointed pursuant to Section 70-2-14 of the
7 New Mexico statutes to hear this matter.

8 For those who are not familiar with the procedure,
9 there will not be a decision at this hearing because the
10 decision will not be made by me. The decision will be made by
11 the Director. I will conduct this hearing and then I will make
12 recommendations to the Director based on the evidence received
13 at this hearing, and the Director will issue a decision.

14 Because there are a number of spectators present, I
15 want to establish some ground rules. First of all, I want to
16 explain that this is an adjudicatory hearing. It is not a
17 public meeting. An adjudicatory hearing conducted by an
18 administrative agency is similar to a judicial procedure. The
19 rules do not require nor contemplate receiving public comments.
20 Because of the nature of these cases, we will endeavor before
21 the conclusion of the proceedings to give members of the public
22 some opportunity to make comments. And I will fill you in
23 further on that later. I did not come very well prepared for
24 that because we have a signup sheet, but it only has a few
25 spaces on it, and there's not going to be room for everyone to

1 sign up.

2 Before we can begin to receive public comments, we
3 need to know who wants to comment. And I will try to make
4 arrangements at the morning break, which is approximately
5 mid-morning, to have a signup sheet circulated in which people
6 can indicate if they do wish to make public comments so we can
7 get an idea of the volume of potential comments that we will be
8 facing. And then I will try to make some arrangements to
9 receive those comments.

10 Now, the public comments will not be considered as
11 evidence in this proceeding. The New Mexico Oil Conservation
12 Division's rules state that statements other than evidence may
13 be made a part of the record and considered by the agency. It
14 doesn't say exactly for what purpose, but that will be
15 included. And the public comments will be included with the
16 recommendations that I make to the Director; that is, they will
17 be attached as part of the record that will be forwarded to the
18 Director along with any observations I may have as a result
19 thereof.

20 The presentations will be made by the parties acting
21 through their attorneys. I don't mean to be pre-judging
22 anybody that anyone will attempt anything; that is not
23 contemplated. But just so you will all know, as I said, this
24 is not a public meeting. Cheering, jeering, signs, and other
25 public reactions to the statements of the attorneys or the

1 witnesses are not allowed.

2 Okay. At this time, we will call Case No. 14134, the
3 Application of the Board of County Commissioners of Rio Arriba
4 County for Cancellation or Suspension of Applications for
5 Permits to Drill filed Approach Operating, LLC, Rio Arriba
6 County, New Mexico; and Case No. 14141, Application of Approach
7 Operating, LLC, for Approval of Six Applications for Permits to
8 Drill, Rio Arriba County, New Mexico.

9 Call for appearances.

10 MR. T. TRUJILLO: Mr. Hearing Examiner, Ted Trujillo
11 and co-counsel of Adan Trujillo on behalf of the County of
12 Rio Arriba.

13 MR. HALL: Good morning, Mr. Examiner, Scott Hall
14 with the Montgomery & Andrews law firm of Santa Fe. I
15 represent Approach Oil and Gas, Incorporated, and Approach
16 Operating, LLC. I have four witnesses to be sworn in this
17 morning.

18 MR. BROOKS: Very good. How many witnesses do you
19 have?

20 MR. T. TRUJILLO: Your Honor, we have five witnesses
21 to be sworn in.

22 MR. BROOKS: Okay. Would all those witnesses that
23 are present please stand. And we'll start with you over here
24 and move from right to left. Each one needs to state your name
25 please, for the record.

1 MR. MANOUSHAGIAN: Ralph Manoushagian.
2 MR. CRAFT: Ross Craft.
3 MR. BROOKS: The gentleman in the glasses.
4 MR. SCHREIBER: Don Schreiber.
5 MR. REED: Glenn Reed.
6 MR. MAGGIORE: Peter Maggiore.
7 MR. VALDEZ: Leo Valdez.
8 MS. GONZALES: Bernadette Gonzales.
9 MS. SULTEMEIER: Beth Sultemeier.
10 MR. BOYLE: Terry Boyle.
11 MR. SENA: John Sena.
12 MR. CANDELARIA: Alberto Candelaria.
13 MR. BROOKS: Any other witnesses? Very good. Will
14 the court reporter please swear the witnesses.
15 [Witnesses sworn.]
16 MR. BROOKS: Okay. Given the fact that we do not
17 have a conventional application in this case, and there are a
18 number of issues involved, it would be helpful to me if the
19 attorneys could give opening statements to just illustrate
20 what -- or let me know what they think the issues are that are
21 going to be presented here.
22 Mr. Trujillo, can you make an opening statement?
23 MR. A. TRUJILLO: Yes.
24 MR. BROOKS: You may proceed.
25 MR. A. TRUJILLO: Good morning, Mr. Hearing Examiner.

1 The County of Rio Arriba is here today for a full evidentiary
2 administrative hearing on the merits to protest 10 applications
3 for permits to drill oil wells submitted by Approach Oil and
4 Gas, Incorporated. Four of these permits have already been
5 granted, and the other six are pending. The County is here
6 today for this unusual purpose because of the locations where
7 these wells might be placed and the manner in which they have
8 been -- the manner in which the landowners have been contacted
9 in their placement.

10 Now, the place where these oil wells have been
11 permitted is the Tierra Amarilla Watershed. Now, the evidence
12 presented today will show that this watershed receives some of
13 highest amounts of annual precipitation in our arid state, and
14 the water it provides sustains and is beneficially utilized by
15 farmers, ranchers, livestock, wildlife, the general public, and
16 countless other living things.

17 You'll hear testimony today that from its headwaters
18 at approximately 10,000 feet to approximately 8,000 feet, the
19 Tierra Amarilla Creek waters are categorized by the EPA as
20 unimpaired. Approach Oil, Incorporated has submitted two
21 applications in that unimpaired corridor.

22 The evidence will show that one permit to build a
23 drilling pad and to drill an oil well has already been granted
24 in an alpine wetland. That proposed well site is located 40
25 feet from one of the unimpaired headwater springs of the TA

1 Creek on one side and 40 feet from a second headwater spring on
2 the other. It's right in the middle.

3 A second permit has already been granted and a
4 one-and-a-half acre well pad has already been constructed in
5 the mouth of a box canyon, a natural drainage that experiences
6 snow melt and storm runoff multiple times a year. It's only
7 been nine months since that pad was built, and there's already
8 visible evidence of erosion.

9 We'll also see today that Approach has a pending
10 permit yards away from the TA Creek on one side and an acequia,
11 a centuries old acequia, on the other. It's right in the
12 middle.

13 You'll see that Approach Oil has applications to
14 place oil wells in natural geological drainages in one of the
15 most water-producing areas of New Mexico. You'll hear from
16 affected landowners today who are intimately familiar with the
17 hydrological and ecological cycles and rhythms of their
18 properties. They know where those properties drain. They know
19 what happens if they aren't allowed to drain properly.

20 You'll hear expert testimony in stream toxicology,
21 ecology and hydrogeology that will reveal that no matter what
22 drilling methods are used by Approach Oil -- be it air or gas,
23 closed-loop system or an open pit -- the placement of these
24 wells and their well pads will unequivocally have a detrimental
25 effect on this fragile ecosystem.

1 And then you'll hear from Approach. Their experts
2 will try to convince you that their drilling practices are best
3 practices and that they'll do their very best to minimize the
4 risks of water contamination, water impairment, and damage to
5 this ecosystem. But they won't be able to deny, and the County
6 maintains, that accidents can happen. And the County doesn't
7 want accidents to happen in the places where these wells are
8 proposed to be placed.

9 So the County is asking you, Mr. Hearing Examiner, to
10 invoke your discretion to use the enumerated powers conferred
11 upon the OCD by New Mexico State Statutes to protect the public
12 welfare, the environment, and the surface and ground waters of
13 this water-poor state and cancel the four granted permits and
14 deny the remaining six.

15 MR. BROOKS: Thank you. Mr. Hall?

16 MR. HALL: Mr. Examiner, the issues before you are
17 framed by the Notice and the various pleadings provided you
18 before the hearing today. The issues you will decide are those
19 of whether or not approval and operations on these well
20 locations can be done in a manner so as to prevent waste,
21 protect correlative rights, and assure that human health and
22 the environment are protected as well.

23 Mr. Examiner, we are pleased that the County has
24 selected this forum for the resolution of this debate. We
25 think this is the proper forum to do so. We think the debate

1 ought to be decided on the basis of competent, reliable,
2 scientific and technical evidence. And that's what we intend
3 to present to you over the course of the next few days.

4 Mr. Examiner, as you know from personal experience,
5 the Division and the Commission has expended considerable
6 effort in recently revising its surface waste management rules
7 and its pit rules. Those rules and the recent amendments now
8 direct, to a large degree, the location and operation of wells
9 in the State.

10 In view of that effort on the part of the Division
11 which we apply, Approach has made the decision to drill each
12 and every one of these wells with closed-loop drilling systems
13 with steel tanks. Pits will not be utilized at all. That
14 fact, Mr. Examiner, I believe should shorten this hearing
15 substantially.

16 Further, Mr. Examiner, I wish you to know that one of
17 the wells for which we seek approval of an APD is being
18 withdrawn; the Benjamin Trujillo Well No. 1 shown to be in 28
19 North, 4 East in Case No. 14141.

20 Thank you, Mr. Examiner.

21 MR. BROOKS: You had indicated something about the
22 nonstandard location applications. Those were submitted as
23 administrative applications, and you said they were at issue in
24 this proceeding. Could you tell me what the situation is on
25 that?

1 MR. HALL: That's correct. We will provide some
2 additional testimony on that. When I first examined the C-102
3 forms for a number of these APDs, it was apparent to me that
4 the locations were unorthodox and would require well location
5 exceptions. I proceeded to file well location administrative
6 applications on the Sultemeier No. 1 in the Sena No. 2. As
7 this case developed and we further investigated those well
8 locations, we determined that the GPS lat/longs reflected on
9 the APDs are correct, that the surveys are correct. The
10 problem we ran into -- and I've discussed this with the Aztec
11 Office, is that the TA Land Grant is unsurveyed.

12 MR. BROOKS: Right.

13 MR. HALL: So locating section lines within the
14 boundaries of the TA Land Grant is often difficult. And I
15 think Mr. Trujillo will confirm that.

16 MR. BROOKS: I'm aware that there are problems up
17 there.

18 MR. HALL: A lot of these section lines are projected
19 off of an old survey from the south which do not correspond
20 with projections from a separate survey from the west. And as
21 the township and section lines converge to the north, they
22 become substantially off.

23 I discussed with Mr. Hayden and Mr. Perrin in the
24 Aztec Office how we ought to go about resolving this. They are
25 satisfied with using the GPS lat/long description on there.

1 That enable them to actually find the actual well locations on
2 the ground. The reason we need to show a unit letter at all on
3 any of these is so these APDs can fit into the ONGUARD system.

4 So in my discussions with them, most recently Mr.
5 Hayden, I believe the Division is satisfied that we don't need
6 to obtain well location approvals on any of these wells. In
7 any event, none of these wells is closer than 660 feet to any
8 other.

9 MR. BROOKS: Or to -- is any well closer than 660
10 feet to any oil and gas lease line?

11 MR. HALL: Some of them are closer than -- well, as
12 close as 330 feet.

13 MR. BROOKS: Well, but they're oil wells --

14 MR. HALL: Which is proper spacing for 40-acre oil
15 wells.

16 MR. BROOKS: So oil wells, the 330 would be adequate.

17 MR. HALL: Yes.

18 MR. BROOKS: Okay. Very good. Now, there's one
19 other issue I need to address with the attorneys and that is
20 the issue of timing. Since we do not have an unlimited time
21 for this presentation, we can't let it stretch out like the Pit
22 Rule hearings did last November. We have today, and we have
23 part of Monday. I was not aware of this at the time. But
24 another agency has this room until 11 o'clock on Monday. So we
25 won't be able to get started until 11 o'clock on Monday.

1 But that gives us -- I figure if we get an effective
2 six hours today and say we can get an effective five hours on
3 Monday, maybe we can add a half an hour or hour to -- one way
4 or another -- I think we have an effective amount of about
5 12 hours. If I divide that equally, that would give each side
6 six hours to make their presentation.

7 I have -- I believe that no attorney can control the
8 cross-examination of his witnesses and, therefore, the
9 cross-examination should be charged against the account of the
10 attorney conducting the cross-examination. And, therefore,
11 what I will say is that each side has six hours in which to
12 present their testimony and that of the -- and cross-examine
13 the other attorney's witnesses.

14 Now, we may have to reserve some time for public
15 comments which means that we may have to run late on Monday if
16 we don't get through with everybody's 12 hours. Now, does
17 anyone have any input on that process?

18 MR. A. TRUJILLO: Mr. Hearing Examiner?

19 MR. BROOKS: Yes, sir.

20 MR. A. TRUJILLO: One of the County's expert
21 witnesses in unavailable on Monday.

22 MR. BROOKS: Okay. The County is presenting its --
23 will be presenting first. So you can use your own judgment.

24 MR. A. TRUJILLO: Mr. Hearing Examiner, that is
25 correct. But it is essential to my cross-examination of

1 Approach Oil's expert witnesses in the field of hydrogeology
2 that my expert witness is in the audience to inform me about
3 the issues that are most ripe for cross-examination. I'm not
4 sure if I can prepare an adequate cross-examination without the
5 benefit of having my expert witness in the audience.

6 MR. BROOKS: Mr. Hall?

7 MR. HALL: Mr. Examiner, what I would suggest, and we
8 are prepared to do this, is let both sides present their
9 technical experts first. That way all of our experts can
10 remain in the room to advise us on this first day. And I
11 believe we can get the most important aspect of the hearing
12 under our belts.

13 MR. BROOKS: Okay. Is that acceptable to you,
14 Mr. Trujillo?

15 MR. A. TRUJILLO: I don't think so. I believe that
16 we would facilitate the presentation of our evidence in as
17 quickly a manner as possible. But at this point, to bifurcate
18 this proceeding and have experts go before fact witnesses I
19 think throws off our presentation. And I think it disrupts the
20 presentation that we have already prepared. And I believe that
21 we can get our presentation done within three hours barring any
22 lengthy cross-examination on the part of Mr. Hall.

23 MR. BROOKS: Well, I don't believe we can accommodate
24 both of your requests, so I think we're going to have to have
25 to proceed in the manner Mr. Hall suggests because we only have

1 these two days allocated to this hearing. And if we don't get
2 through, we have serious problems.

3 MR. A. TRUJILLO: Mr. Hearing Examiner, if you would
4 allow us a brief recess to meet with my hydrogeologist, my
5 expert witness, I believe we might come to a --

6 MR. BROOKS: Okay.

7 [Off the record from 9:23 a.m. to 9:24 a.m., and
8 testimony continued as follows:]

9 MR. A. TRUJILLO: Mr. Hearing Examiner, after
10 conferring with my expert witness in hydrogeology, he has
11 informed me that he can get somebody to cover for him on Monday
12 so he can be available here. So I believe that it would be
13 most proper to proceed in the manner that the County's been
14 anticipating in terms of its presentation.

15 MR. BROOKS: Very good. I will be keeping track of
16 each side's time. And we will begin with each side -- I don't
17 have a chess clock here, so I will just have to keep track of
18 it. We will begin at 9:25.

19 The County may begin your presentation.

20 MR. A. TRUJILLO: Mr. Hearing Examiner, the first two
21 witnesses that the -- actually, the first three witnesses the
22 County would like to call would be solely for the purposes of
23 authentication of exhibits, namely, this map and numerous
24 photographs that the County is asking be submitted into
25 evidence. If Mr. Hall would like to stipulate to the admission

1 of these exhibits, then we can forgo that authentication of
2 exhibits and proceed directly to substantive testimony.

3 MR. BROOKS: Mr. Hall?

4 MR. HALL: I haven't had the opportunity to review
5 their exhibits.

6 MR. BROOKS: Okay. Very good. You may proceed.

7 MR. A. TRUJILLO: The County calls Bernadette
8 Gonzales.

9 MR. BROOKS: You can take the witness stand over here
10 to my left. The chair over there, please.

11 THE WITNESS: Okay. I am a mapper for Rio Arriba
12 County.

13 BERNADETTE GONZALES

14 after having been first duly sworn under oath,
15 was questioned and testified as follows:

16 DIRECT EXAMINATION

17 BY MR. A TRUJILLO:

18 Q. Ms. Gonzales, will you please state your name for
19 the record?

20 A. Okay. I'm sorry. Bernadette Gonzales.

21 Q. And go ahead and tell us about this map.

22 A. Okay. The OCD permits, the proposed and
23 permitted, came from, of course, the Oil Conservation Division.
24 We changed the lat and long into X and Y coordinates, okay? So
25 they are color-coordinated there. The proposed is in orange

1 and the permitted is in black. They are also labeled according
2 to the well names.

3 The rest of the information that was obtained here
4 was from the New Mexico Regional Geographic Information
5 Systems, RGIS, and they have a number -- it's a clearinghouse
6 for data and data sets that is obtained throughout New Mexico
7 and other resources.

8 The rest of the information came from the Southwest
9 Regional GAP, which is also a clearinghouse for the Southwest
10 Region of the United States, which includes five states.
11 New Mexico is one of them.

12 We also obtained information from the BLM from both
13 the Farmington and Taos field offices. And let me see -- I'm
14 missing one. Oh, also from the Forest Service. And these are
15 all available to the public. It's all within websites that
16 they have established. And you can review their data. It'll
17 cite the sources on where they came from.

18 Q. Ms. Gonzales, did you prepare this map?

19 A. Yes, I did.

20 MR. A. TRUJILLO: Mr. Hearing Examiner, I move to
21 have Rio Arriba County Exhibit No. 1 admitted into evidence.

22 MR. BROOKS: Objections?

23 MR. HALL: A brief cross.
24
25

CROSS-EXAMINATION

1

2 BY MR. HALL:

3 Q. Ms. Gonzales, does the map show -- well, let me
4 ask you, other than land status, what else does it show?

5 A. It shows the river, our roads, our road center
6 line. That actually was GPS for Rio Arriba County, so those
7 are actual placements on there. The artificial and the canal
8 ditches and the river streams came from the hydrology portion
9 of RGIS, okay? Did I answer your question?

10 Q. What does that data show? What type of data is
11 that, other than locations of streams, locations of well lines?

12 A. Yes, uh-huh.

13 Q. And were you responsible for translating the
14 lat/long data to the XY data?

15 A. What I did was -- it was in degrees, minutes and
16 seconds, and then it was transferred into decimal degrees. And
17 then from there we have a consultant, who is not here today,
18 and she is the one that transferred it over to the X and Y.

19 Q. Is it your understanding that the XY coordinates
20 accurately reflect the true locations of those wells?

21 A. Yes, it is, because I did a double check on it
22 using the decimal degrees, and it is in the location where the
23 X and Y are platted.

24 Q. But you did not perform that work yourself?

25 A. Not the X and Y transfer from the decimal degrees

1 to the X and Y. No, I did not do that.

2 MR. HALL: Mr. Examiner, subject to our ability to
3 challenge actual locations -- I can't see that far, anyway --
4 we don't object to it.

5 MR. BROOKS: Exhibit 1 is admitted.

6 [Applicant's Exhibit 1 admitted into evidence.]

7 MR. HALL: We do not stipulate to the accuracy of the
8 location.

9 MR. BROOKS: Okay. Understood. You may proceed.

10 MR. A. TRUJILLO: Thanks. The County calls Don
11 Schreiber.

12 DON SCHREIBER

13 after having been first duly sworn under oath,
14 was questioned and testified as follows:

15 DIRECT EXAMINATION

16 BY MR. A. TRUJILLO:

17 Q. Mr. Schreiber, if you could please, open up the
18 Rio Arriba County witness exhibit binder in front of you --

19 A. Yes, sir.

20 Q. -- and turn to Exhibit 22.

21 A. Got it.

22 Q. I'm sorry. Would you please state your name for
23 the record.

24 A. My name is Don Schreiber.

25 Q. Mr. Schreiber, you are on the stand today to

1 authenticate these photographs. Now, under New Mexico law, the
2 authentication or verification of photographs prerequisite to
3 their admission into evidence may be made by the photographer
4 or by any witness whose familiarity with the subject matter
5 represented thereby qualifies him to testify as to the
6 correctness of the representation of the objects or scenes
7 which they portray.

8 And there's a New Mexico case, State Highway
9 Department versus Kistler-Collister Company that held that
10 although the exhibits are not physically prepared by the
11 witness who identified them, they were prepared at his request
12 and he participated in their preparation. And no further
13 foundation for their admissibility was necessary.

14 Now, Mr. Schreiber, I would like you to tell the
15 Hearing Examiner the process by which you helped in the
16 participation of these photographs -- or this photograph, and
17 then we'll scroll through several others.

18 A. Very well. I arranged for an aircraft and a
19 professional photographer to take a series of aerial
20 photographs of the first four APD permits that were issued to
21 Approach by OCD. And we made a flight on May 17th, leaving
22 from Santa Fe airport and photographed the area and returned to
23 Santa Fe.

24 Q. Okay.

25 A. This photograph and a number of others here are

1 part of that first flight on May 17th.

2 Q. Now, could we scroll through these photographs?
3 Mr. Schreiber, do these photographs represent the preparation
4 that you requested in anticipation of their creation?

5 A. Yes, they do. This photograph, if you'll go back
6 one again -- right there -- represents a series of photographs
7 that were taken on June 20th -- no June 17th -- and they are
8 the results of the second flight, aerial flight, made on that
9 day originating at the Farmington Airport to photograph
10 additional angles of the four original APDs and to photograph
11 the area of the second six APDs. And this photograph is one of
12 those, one of the series.

13 Q. Thank you. Could you please next --

14 A. Continue. Yes. Yes. Yes. Yes. Yes. Yes.
15 Yes. Yes.

16 MR. A. TRUJILLO: Mr. Hearing Examiner, at this time,
17 the County moves for the admission of County Exhibits 22
18 through 36.

19 MR. BROOKS: Mr. Hall?

20 MR. HALL: A brief cross.

21 CROSS-EXAMINATION

22 BY MR. HALL:

23 Q. Mr. Schreiber, as I understand, you took two
24 flights two separate days?

25 A. That's correct.

1 Q. You didn't actually take the photographs, you
2 directed them?

3 A. That's correct.

4 Q. Okay. You were in the back seat?

5 A. That's correct, in the second flight.

6 Q. You weren't on board the first flight?

7 A. I'm sorry. Let me amend that. I was in the
8 front seat.

9 Q. On the first flight?

10 A. On the second flight.

11 Q. Do you know how the well locations were -- what
12 navigation did you use to go to the well locations?

13 A. The first four we established the exact location
14 of Approach's stake, or in the case of Sultemeier, their well
15 location.

16 Q. How?

17 A. By talking to each of the individual landowners,
18 consulting with them on maps where we were able to identify on
19 the map the exact spot of the well location that was either
20 built, in the case of Sultemeier, or staked in the case of Sena
21 and Woolley. So through consultation with the landowners we
22 determined where they were and then we flew and took those
23 exact locations in the first four, for the first four APDs.

24 Q. So you didn't utilize GPS coordinates in the air?
25 You were just eyeballing it?

1 A. No. We used GPS coordinates as well. But on the
2 first four we began with the GPS coordinates to establish where
3 on the ground they were, and a satellite map, and then began to
4 close those down until we had them visually located by the
5 landowner and then marked on the map so that we could be sure
6 we had the right ones.

7 Q. Who was the photographer for the flight you
8 didn't go on?

9 A. Peter Ogilvie.

10 Q. I'm sorry?

11 A. Peter Ogilvie.

12 Q. He's from Santa Fe?

13 A. Yes, he is.

14 Q. And what directions did you give him to locate
15 these locations for shooting from the air?

16 A. We prepared a guidebook for Mr. Ogilvie and for
17 the pilot. And that was the culmination of all the various
18 GPS, satellite, topographical instructions and then the
19 landowners' special instructions, combined in a book to give to
20 them so that when they flew it, they would know beyond just the
21 GPS what they were looking at.

22 The GPS in the aircraft continues to roll as you
23 move, so you need to have an exact point on the ground because
24 you're going to circle that or come at a different angle and
25 the GPS is going to keep moving, so GPS alone won't give you

1 the exact spot.

2 MR. HALL: I don't believe I have any objection.

3 MR. BROOKS: Very good. Could you reiterate which
4 exhibits you're offering, Mr. Trujillo?

5 MR. A. TRUJILLO: Rio Arriba County 22, 23, 24, 25,
6 26, 27, 28, 29, 30, 31, 32 -- just through 37.

7 MR. BROOKS: 22 through 37, inclusive?

8 MR. A. TRUJILLO: 22 through 37.

9 MR. BROOKS: 22 through 37, inclusive, are admitted.
10 [Applicant's Exhibits 22 through 37 admitted into
11 evidence.]

12 MR. A. TRUJILLO: The County calls John Sena.

13 MR. BROOKS: Mr. Sena?

14 JOHN SENA

15 after having been first duly sworn under oath,
16 was questioned and testified as follows:

17 DIRECT EXAMINATION

18 BY MR. A. TRUJILLO:

19 Q. Mr. Sena, could you state your name for the
20 record, please.

21 A. John Sena.

22 Q. Mr. Sena, I'm going to show you a series of
23 photographs. We're going to go through the same exercise that
24 we went through with Don Schreiber before we enter into the
25 substantive portion of your testimony, at which time I'll pass

1 your examination to co-counsel.

2 A. Yes, sir.

3 Q. I'm going to show you a series of photographs.

4 MR. HALL: Which number are we on?

5 MR. A. TRUJILLO: We are on number 38. And for your
6 reference, there is a number corresponding to the exhibit
7 number on the bottom right-hand corner of the slide.

8 MR. HALL: This is your 48?

9 MR. A. TRUJILLO: We're at 40.

10 Q. (By Mr. A. Trujillo): Now, Mr. Sena, do you
11 recognize those photographs?

12 A. Yes, I do.

13 Q. Were you there on the day that they were
14 photographed?

15 A. Yes, sir.

16 Q. Do you recall what day that was?

17 A. No, I don't.

18 Q. In the bottom right-hand corner of the slide,
19 there's a depiction, May 7, 2008. Is that about right?

20 A. That is right, I believe.

21 Q. Now, are these photographs an actual
22 representation or an accurate representation of what you saw
23 that day?

24 A. Yes, sir.

25 MR. A. TRUJILLO: The County offers Exhibits 38

1 through 44 into evidence.

2 MR. BROOKS: Mr. Hall?

3 CROSS-EXAMINATION

4 BY MR. HALL:

5 Q. Mr. Sena, can you correlate the location of these
6 photographs to locations on a map if asked?

7 A. Yes, sir.

8 Q. Okay. You took all the photographs?

9 A. No, sir, I did not.

10 Q. Who did?

11 A. One of the County photographers.

12 Q. Who was that?

13 MR. A. TRUJILLO: Mr. Hearing Examiner, Mr. Sena does
14 not recall the name of the County employee. I submit that he
15 doesn't have an answer.

16 Q. (By Mr. Hall): Did you accompany the
17 photographer at the time?

18 A. Yes, I did.

19 Q. Okay. Let me ask you about slide 40 there. Is
20 this on your property?

21 A. Yes, sir, it is.

22 Q. Is that your impoundment there?

23 A. Yes.

24 Q. Okay. And is that the TA Creek we're looking at?

25 A. No, sir.

1 Q. What is that?

2 A. That is a secondary stream fed by natural waters
3 and runoff on the back portion of my property.

4 Q. If asked, you could locate this on a map for us?

5 A. Yes, sir.

6 Q. And at what time of year was this picture taken?

7 A. The 7th of May, I believe.

8 Q. Is this snow runoff we're looking at?

9 A. Yes, sir, and spring.

10 Q. Okay. Oh, and a spring?

11 A. Yes, sir.

12 Q. Can you show us where the spring might be?

13 A. The spring would be approximately three quarters
14 of a mile upstream of the impoundment.

15 MR. HALL: Okay. I have no objection, Mr. Examiner.

16 MR. BROOKS: Okay. Which exhibits again are you
17 tendering?

18 MR. A. TRUJILLO: Exhibits 38 through 44.

19 MR. BROOKS: 38 through 44 are admitted.

20 [Applicant's Exhibits 38 through 44 admitted into
21 evidence.]

22 MR. A. TRUJILLO: At this time, Mr. Hearing Examiner,
23 I pass the examination of Mr. Sena to Mr. Ted Trujillo.

24 MR. BROOKS: Okay.

25

DIRECT EXAMINATION

1

2 BY MR. T. TRUJILLO:

3 Q. Good morning, Mr. Sena.

4 A. Good morning, sir.

5 Q. Mr. Sena, would you give us a little background
6 about your education and your occupation?7 A. I'm a retired federal officer with the US
8 Department of Energy, Transportation Safeguard Division.

9 Q. Okay. And what formal education have you had?

10 A. High school and some at Amarillo Junior College.

11 Q. Okay. And what is your familiarity with the
12 Tierra Amarilla area in general?13 A. My family has been in the Tierra Amarilla area
14 since 1950. Our original home site is in Pojoaque, New Mexico,
15 which is about 60 miles south of Tierra Amarilla.16 Q. And how would you describe, generally, your
17 frequency of visits with this particular area of the County?18 A. I'm going to say I spend about 70 percent of my
19 time there since 2000. Prior to that, I traveled with my
20 father and my brother who is co-owner of the ranch. We've all
21 spent probably 40 to 50 percent of our time there.22 Q. And you are aware, of course, that there are two
23 permits for drilling a well on your property, are you not?

24 A. Yes, sir.

25 Q. Now, what is the size of your property?

1 A. 940 acres, approximately.

2 Q. Okay. And is any part of this property
3 irrigated?

4 A. Yes, sir, it is.

5 Q. And do you know more or less how many acres of
6 irrigation you have?

7 A. Our registered ditch has issued us 54.4 water
8 rights. Those are for surface irrigation.

9 Q. And what is the name of that ditch?

10 A. Acequia Sena Salazar.

11 Q. Okay. And do you happen to know the priority
12 date of your water rights?

13 A. 1870.

14 Q. Do you have any domestic wells on your property,
15 Mr. Sena?

16 A. No, sir.

17 Q. Okay. And do you have any mineral rights on your
18 property?

19 A. Yes, sir.

20 Q. And what is your interest in the mineral estate?

21 A. We have -- all our deeds say we own 50 percent of
22 mineral rights.

23 Q. Who owns the other half, Mr. Sena?

24 A. A gentleman by the name of Mr. Serano from
25 Youngsville, New Mexico.

1 Q. Okay. Generally, can you tell us what your
2 primary uses of this property are?

3 A. We are primarily a cattle cow/calf operation.
4 And we also operate elk and deer hunting camps. I am a
5 licensed outfitter and guide with the State of New Mexico. And
6 also on the 40-plus acres we irrigate, we raise pasture grass,
7 hay.

8 Q. Okay. And do you have a residence on that
9 property?

10 A. Yes, sir, we do.

11 Q. Do you make any other use of your property other
12 than the uses that you've enumerated?

13 A. There's always recreational usage by the family
14 or family members or friends.

15 Q. Now, Mr. Sena, I understand you have contact with
16 officials from Approach Operating, LLC.

17 A. Yes, sir.

18 Q. Okay. Can you describe, you know, your contacts
19 with the personnel from Approach?

20 A. I received one letter from Approach telling me
21 that they had made an effort to contact me -- contact me by
22 mail and by phone calls to no avail -- I'm sorry -- by phone,
23 and they had not been able to contact me.

24 Q. Okay.

25 A. So Mr. Bryce Morgan mailed me a letter.

1 Q. Now, I'm going to ask you to turn to -- open your
2 exhibit book, and you'll see a series of numbers on the
3 right-hand side and there's, of course, an exhibit to this.
4 And I want you to turn to Tab No. 12. It reads "Approach
5 Letters to John Sena."

6 Now, Mr. Sena, would you identify this document?

7 A. Yes. This is the, I guess, drilling agreement
8 that Approach sent me.

9 Q. Very well. And thumb through it to see if it's
10 complete as far as you can tell.

11 MR. HALL: At this point, Mr. Examiner, I think I'll
12 interpose an objection. It appears to be a letter for the
13 purposes of entering into a contract for service access under
14 the Surface Owners Protection Act. I don't see how that's
15 relevant at all to the issues that are framed by the notice in
16 this proceeding.

17 MR. BROOKS: Well, let me overrule your objection. I
18 think it's background -- relevant background. You may
19 continue.

20 Q. (By Mr. T. Trujillo): Mr. Sena, let me ask you
21 again; is this document complete as far as you can tell?

22 A. Yes, sir, it is.

23 Q. And this is the document that you received then?

24 A. Yes, it is.

25 MR. T. TRUJILLO: We would offer this document into

1 evidence as County's Exhibit 12.

2 MR. HALL: Same objection, Mr. Hearing Examiner.

3 MR. BROOKS: Okay. Exhibit 12 will be admitted.

4 [Applicant's Exhibit 12 admitted into evidence.]

5 Q. (By Mr. T. Trujillo): Now, Mr. Sena, what
6 participation did you have with Approach personnel in locating
7 where the two proposed well sites were going to be on your
8 property?

9 A. None.

10 Q. Okay.

11 A. They informed me -- I'm sorry. A surveyor,
12 Mr. Archuleta, called me and told me that he wanted access to
13 my property, that he had been retained by Approach to mark
14 possible well sites.

15 Q. Okay. And what was your subsequent contact with
16 Mr. Archuleta?

17 A. Well, due to the fact that I knew that we owned
18 half the mineral rights -- I did not know what Mr. Serano had
19 done with his half -- I took it for granted that Approach had
20 purchased them or something. And I okayed Mr. Archuleta to
21 access the property.

22 Q. Did you accompany him when he made his access?

23 A. Yes, sir, I did.

24 Q. Who else was with him?

25 A. There were a couple of gentlemen from Farmington,

1 New Mexico, who represented Approach.

2 Q. Do you happen to remember their names?

3 A. No, sir, I don't.

4 Q. What sort of interaction did you have with these
5 three gentlemen?

6 A. We met at our home site. Mr. Archuleta noted on
7 his map where he wanted me to take him. By recognizing my own
8 property and, of course, his map, I knew exactly where he
9 wanted to go and I proceeded to take him.

10 Q. Okay. And the location that you proceeded to
11 take him to was what location?

12 A. What you people are considering Sena 1, which is
13 right next to one of my food reseeding areas and Sena 2, which
14 is right northeast of our home site.

15 Q. Now, am I to understand that you took them to
16 both locations?

17 A. Yes, sir.

18 Q. Okay. What was your understanding -- was it your
19 understanding that those were proposed well sites?

20 A. I was thinking it was probably a general area.
21 But one of the engineers said this would be the exact spot of
22 drilling.

23 Q. Okay.

24 A. Exact location of the well.

25 Q. What -- were you asked your opinion about the

1 site selection?

2 A. No, sir.

3 Q. Now, Exhibit 12, the letter that you have before
4 you --

5 A. Yes, sir.

6 Q. -- I want you to -- in the context of this
7 exhibit, did you ever reach an agreement with Approach?

8 A. No, sir.

9 Q. Okay. Now, what I'd like you to do is, looking
10 at the County's Exhibit No. 1, if you could locate on that
11 exhibit your two well sites?

12 A. Sena Well 2.

13 Q. You may approach, Mr. Sena. Why don't you go
14 ahead and go right up to -- the lettering is rather small.

15 A. Here and here.

16 Q. Very well.

17 MR. BROOKS: I'm going to suggest that we ask
18 Mr. Sena to mark those on the exhibit because they will become
19 part of a written record, and the person reading the record
20 will not be able to know what "here" means.

21 MR. T. TRUJILLO: I agree. Thank you, Mr. Hearing
22 Examiner.

23 Q. (By Mr. T. Trujillo): If you can, circle the two
24 locations on your property.

25 MR. T. TRUJILLO: For the record, Mr. Sena is

1 circling them with a yellow highlighter.

2 MR. BROOKS: Thank you.

3 Q. (By Mr. T. Trujillo): Now, Mr. Sena, with regard
4 to Well Site No. 1 and Well Site No. 2, which one is at the
5 higher elevation?

6 A. Well Site No. 2.

7 Q. Mr. Sena, what I'd like you to do is let's look
8 at some photos. And I'm go going to ask you to turn to
9 County's Exhibit 42. Mr. Sena, what does this photograph
10 depict?

11 A. Spring snows in our area.

12 Q. Okay. Is this on your property?

13 A. No, sir, it's not.

14 Q. Approximately where is this location?

15 A. Oh, I'm going to say about five miles upstream.

16 Q. And close to what property owners, if you know?

17 A. Woolley.

18 Q. Okay. Now, how would you characterize the amount
19 of snowfall that you see for the date that you have on that
20 photograph?

21 A. Late spring. It's pretty close to what we
22 usually have that time of the year.

23 Q. Now, take a look at the next exhibit, which is
24 Rio Arriba County's 43. Do you recognize that?

25 A. Yes, sir, I do.

1 Q. And can you locate it for us, approximately?

2 A. Upstream about four and a half miles.

3 Q. And how would you describe, you know, the
4 condition of the snow melt at that stage?

5 A. Pretty normal for that time of year.

6 Q. Now, in locating this snow bank here, where would
7 Highway 64 be in proximity to this snow bank?

8 A. The photo was taken off the roadway.

9 Q. And do you have a feel for maybe the elevation?

10 A. Very close to 10,000, probably.

11 Q. Now, let's take a look at the next one, 44.
12 Could you locate that for me in the context of the other
13 photographs?

14 A. I believe this is south of Exhibit 43, a short
15 distance, maybe a quarter mile.

16 Q. Now, you can see a ridge at the very top of that
17 photo. Do you happen to know if it has a local name or
18 anything?

19 A. You know, I don't believe it's got a local name.
20 I believe it's a corner of the property managed by Dave
21 Holloway.

22 Q. Okay. Now, let's move over to -- let's see --
23 let's move back to Rio Arriba County Exhibit 35.

24 Mr. Sena, do you recognize the features on this
25 photograph?

1 A. Yes, sir, I do.

2 Q. For example, right under the plane tip there you
3 can see a hill. Does that have a name?

4 A. That is what the locals call Penasco Amarillo.

5 Q. And then sort of more to the middle of the
6 picture there's a rocky structure, for lack of a better
7 description. Do you know what structure that is?

8 A. Brazos Cliffs.

9 Q. And in the very far background, you can see some
10 snow-capped mountains. Where are those mountains located?

11 A. Those are in Colorado.

12 Q. Do you know what mountain range that will be?

13 A. I'm going to say the Sangre de Cristos, but I'm
14 not sure.

15 Q. Now, you see a road structure there. What road
16 is that?

17 A. US 64.

18 Q. Okay. Let me ask you, then, you recognize a
19 curve there in the road?

20 A. Yes, sir.

21 Q. Whereabouts would that be?

22 A. I'm going to say it's very close to the head
23 waters of the TA Creek.

24 Q. Very good. And your property in relationship to
25 the property shown in this picture would be where?

1 A. It would have to be southwest about seven miles,
2 maybe.

3 Q. Is that at a higher or lower elevation?

4 A. Lower elevation.

5 Q. Okay. Now, I would like you to look at 34, which
6 you'll have to back up a bit. And do you recognize this
7 photograph?

8 A. Yes, sir, I do.

9 Q. Does it show some of the same features?

10 A. Yes, sir, it does.

11 Q. Now, does it show your property?

12 A. A little bit of it, yes.

13 Q. And where would it be in relation to this
14 photograph?

15 A. Far left center --

16 Q. Okay.

17 A. -- on the bottom.

18 Q. All right. Now, there's a feature that's running
19 parallel with the highway there immediately to the bottom of
20 it, sort of a ridge. Does that have a local name?

21 A. South of where this picture is taken, it's known
22 as TA Hill.

23 Q. Okay. Very well. And then there's a fairly open
24 meadow below that. Have you ever seen that property?

25 A. Yes, I have.

1 Q. And what property is that?

2 A. That is Juan Montano, Sulzemeier and Spills.

3 Q. And in looking at this photo, the drainage -- you
4 would describe the drainage as running in which direction then?

5 A. At this point, it would probably be northwest.

6 Q. And headed northwest to where?

7 A. To El Vado Dam, Rio Chama.

8 Q. And then below the ridge, TA Hill, how does that
9 property drain?

10 A. That one drains straight south to El Vado --
11 well, to the Rio Chama.

12 Q. Okay. Very good. Now, Mr. Sena, I'd like you to
13 take a look at -- we're going to go back to County Exhibit 25.
14 What is depicted in this photograph, Mr. Sena?

15 A. This is the far north corner of my ranch.

16 Q. Very good. And where is Well No. 1, if it's
17 located within this picture?

18 A. It's the largest -- Well No. 1 is not shown in
19 this one.

20 Q. I'm sorry. Well No. 2.

21 A. Well No. 2 is the largest opening.

22 Q. I see. Very good. And is that staked, then?

23 A. Yes, sir, it is.

24 Q. And where approximately is that staked?

25 A. Right where that tree is. Right above that.

1 MR. T. TRUJILLO: Let the record show that Mr. Sena
2 indicated a tree right in the middle of that area.

3 Q. (By Mr. T. Trujillo): I think what would help is
4 if you would take a pen and circle it on your exhibit book
5 there. And then if you can initial at the bottom of the page
6 your initials. All right.

7 Now, Mr. Sena, I gather -- can you describe what you
8 circled there?

9 A. This is approximately more from memory than the
10 picture. But the tree is approximately 35, 40 yards north of a
11 seeding area that the Department of Agriculture has assisted me
12 in planting for reseeding and regrowth of vegetation in the
13 area.

14 Q. Is that reseeding area within the meadow that is
15 shown in that photograph?

16 A. Yes. That whole portion right there.

17 Q. And is it fenced?

18 A. Yes, sir, it is.

19 Q. Now, what concerns, if any, do you have about
20 this particular well location for drilling?

21 A. This ridge here is approximately I'm going to say
22 300 feet higher than the valley floor where the seeding area
23 and the proposed well site is. This hillside here is about
24 700 feet. The natural drainage of this bowl is right to the
25 middle. And you can see where the drainage is right there.

1 And there is an impoundment right in that little treeline
2 there.

3 Q. And that impoundment is manmade or natural?

4 A. No, it's manmade.

5 Q. And what is its purpose?

6 A. Its purpose is to control runoff, to cut back on
7 erosion.

8 Q. And does it serve any purpose for wildlife or
9 livestock?

10 A. Water is a very, very dear commodity. And any
11 time you can retain water, it helps.

12 Q. What about access to a particular site. What
13 concerns would you have with access, if any?

14 A. There's an area -- it would be right in here --
15 that's known as Ball Buster Hill, and I was told by the
16 Approach representative that day that they would not be able
17 to --

18 MR. HALL: I'm going to object. I think we're
19 getting some hearsay testimony at this point.

20 MR. BROOKS: Well, it's not hearsay if this person
21 actually was an Approach representative.

22 MR. HALL: Well, if he's present, we can lay the
23 foundation for that.

24 MR. BROOKS: Okay.

25 MR. T. TRUJILLO: Mr. Hearing Examiner, basically any

1 statement that Mr. Sena hears from Approach officials at least.
2 could constitute an admission by a party --

3 MR. BROOKS: Well, I agree it's not -- that's what I
4 said. It's not hearsay if it's a statement by someone from
5 Approach. Mr. Hall wanted to establish, I think, when and
6 where he talked to this person.

7 MR. T. TRUJILLO: I think he can do that on
8 cross-examination if we could move this along, because I think
9 he would be able to determine after I conclude my direct, even
10 if he wants to cross-examine that area.

11 MR. BROOKS: Okay. In court we would allow him to
12 take the witness on voir dire at this point, but I think you're
13 right. It would move along better if we do it that way. So I
14 will overrule the objection, and you can continue.

15 Q. (By Mr. T. Trujillo): You were about to say, Mr.
16 Sena?

17 A. It's a very steep incline. They made the comment
18 that they would not be able to get machinery up that hill, that
19 they would have to utilize other or make other roads into the
20 area.

21 Q. Okay. Now, this proposed site, how far is it
22 from Highway 64, more or less?

23 A. Just under two miles.

24 Q. Okay. Well, let me ask you to look at 26. What
25 water courses can you point out for us, Mr. Sena?

1 A. This here is the same stream system and
2 impoundment that was shown on an earlier photo, and the stream
3 runs seasonally straight northeast, I guess.

4 Q. Now, is that impoundment visible in this photo?

5 A. Yes, it is.

6 Q. Would you go ahead and point it out? Now,
7 looking above the area to the right where the staking is, you
8 had talked about an impoundment above it. Is there anything
9 visible there?

10 A. Yes, sir, it's right there.

11 Q. Would you go ahead and circle both those
12 impoundments? And then initial at the bottom of the page, if
13 you would.

14 Mr. Sena, let's look at 27. How does this photo
15 relate to the previous two?

16 A. It's the same area, just a little closer.

17 Q. Very good.

18 MR. BROOKS: I'm sorry, you said 27?

19 MR. T. TRUJILLO: Yes.

20 MR. BROOKS: Very good. Continue.

21 Q. (By Mr. T. Trujillo): Can you describe the water
22 course there?

23 A. The water course, the closest proximity from the
24 well site, the water course is approximately -- I would say
25 under 200 yards. And the water course flows up. You can see

1 where the stream actually runs.

2 Q. Okay.

3 A. The natural spring is right there.

4 Q. And there is a natural spring?

5 A. Yes, sir.

6 Q. Would you go ahead and circle the area where you
7 believe there's a natural spring?

8 Okay. And then if you could circle it on the plat
9 and initial. How would you describe the seasonal variations
10 and flows in that creek?

11 A. This creek is fed by two different what we call
12 bowls. One is the Luna Bowl. One is the Garcia Bowl. And
13 they're both approximately about 300 acres in size apiece. And
14 there's only one drainage, and that is at the bottom of each
15 one.

16 Q. And again, the well site is depicted on this
17 photo?

18 A. Yes, sir, it is. That same lone tree.

19 Q. Now, if you could -- let's look at 26. Excuse
20 me, I think we did that already. I think we're going
21 backwards -- 40. I'm sorry. Let's see.

22 Now, if you could locate that photo for us in the
23 context of previous photos.

24 A. Again, that is that same little diversion. We
25 had to kind of catch silt and slow down the water flow.

1 Q. And let's look over at 41. And how does this
2 photo relate to the previous photo?

3 A. This photo is exactly downstream right next to
4 the other photo. You can see that the erosion has caused
5 this -- caused approximately an 8- to 12-foot drop right below
6 that other little diversion.

7 Q. And is that a snow bank or remnants of a snow
8 bank that we're looking at?

9 A. Yes, sir, it is.

10 Q. Approximately what is the elevation of that area?

11 A. I believe it's 87 or 86.

12 Q. Now, Mr. Sena, let's look at -- I want to go all
13 the way back to 23.

14 Now, what are we looking at in this photo, Mr. Sena?

15 A. We're looking at our home site, part of our
16 irrigated land. And the upper part, this here is all irrigated
17 land. This is our home site. This is the road to the back of
18 the hill, back of the mountain, back of the ranch.

19 Q. Would this be the road that Approach will be
20 using, from your understanding?

21 A. Yes, sir.

22 Q. And if you go below under the far bottom
23 left-hand corner, is that part of the same road?

24 A. Yes, it is.

25 Q. At the bottom? And where does that road exit to?

1 A. They all come to the front of the house.

2 Q. And then from the front of the house, how does it
3 get to the highway?

4 A. You go straight south.

5 Q. Now, can you see any features of your acequia
6 structures?

7 A. Yes.

8 Q. And where would they be?

9 A. There's one along this fence. And that water
10 irrigates this portion here and this portion here.

11 Q. Very well.

12 A. There are water rights associated with that
13 parcel right there. There's another ditch right here, right in
14 front of the house. There are water rights associated with
15 that.

16 Q. Mr. Sena, where is the well site located in this
17 photo.

18 A. Approach's well site is right by this ravine and
19 on that high side right there.

20 Q. Okay. Now, what number is that well site?

21 A. That would be Well Site 1.

22 Q. Now, what I would like you to do is on your
23 photograph, write a number one where you think that well site
24 is and circle it and initial it.

25 MR. BROOKS: Now, we're still on Exhibit 23?

1 MR. T. TRUJILLO: That's correct.

2 Q. (By Mr. T. Trujillo): Mr. Sena, what water
3 features can you point out that are associated with that
4 particular well site?

5 A. Right here where you can see this clearing,
6 it's -- about 300 yards north of the drilling site, there's a
7 natural spring.

8 The pointer is dead.

9 There's one natural spring right there. There's a
10 natural spring right here. Maybe a little bit off this
11 picture.

12 Q. Okay.

13 A. And then our ditch is -- our natural ditches and
14 TA Creek.

15 Q. Now, would you go ahead and put an 'S' where you
16 think those natural springs are and circle those as well?

17 A. An 'S'?

18 Q. Yes. Now, Mr. Sena, what use does wildlife make
19 of this part of your property?

20 A. Well, wildlife -- again, there's the E-PLUS
21 program with the New Mexico Department of Game and Fish, and
22 their direction, as far as winter feed and stuff -- you can see
23 all this has been plowed, disked, and reseeded. But not all
24 the sage has been removed to be used as winter pasture for game
25 animals.

1 Q. Are you a participant in this program, then?

2 A. Yes, sir.

3 Q. And so is it elk that make use of that pasture?

4 A. Everything -- elk, deer.

5 Q. Now, would you identify the creek there in the
6 photo, the name of the creek?

7 A. TA Creek.

8 Q. Very good. What sorts of volumes have you seen
9 in that creek?

10 A. Say again, sir?

11 Q. What sorts of volumes have you seen in that creek
12 over the course of the years?

13 A. I don't know as far as cubic feet runoff and
14 stuff, but I've seen it run brim to brim -- or bank to bank, I
15 should say. We also had a river -- I'm sorry -- a bridge that
16 used to be right here. In 1966 we had a hailstorm in June and
17 the hail ended up being about oh, I'm going to say four and a
18 half inches high. And we had a rainstorm right after. The
19 amount of hail that was picked up by the runoff took the
20 bridge.

21 Q. Your bridge?

22 A. My bridge. And that bridge is downstream about 5
23 to 600 yards. And that bridge was approximately four foot,
24 three and a half foot above the normal runoff level.

25 Q. Now, Mr. Sena, your house and your structures

1 there, how far is it from that well site that we're talking
2 about?

3 A. Sir, I believe that we had figured that the well
4 site was to the closest point, was approximately 300 yards.

5 Q. Okay.

6 A. And then our cabin is approximately 40 yards from
7 there, 30 yards.

8 Q. Okay. Let's look at 24. Now, how does this
9 photo relate to the previous one, Mr. Sena?

10 A. Same photo, just a little different angle, a
11 little farther southwest.

12 Q. Very good. Now, can you more or less locate
13 where the well site would be there?

14 A. Yes, sir.

15 Q. And would you go ahead and locate that well site?

16 A. That well site would be right there.

17 Q. Okay.

18 A. And there's my bridge.

19 Q. I see. You've replaced that bridge, Mr. Sena?

20 A. Yes, we have.

21 Q. Do you expect to replace another one?

22 A. I hope not.

23 Q. There is a line that goes, you know, sort of at a
24 diagonal starting at the right-hand corner towards sort of the
25 bottom left-hand corner. What is that straight line there?

1 A. That is our -- we rotate our livestock to better
2 utilize our properties. And during the summer, we irrigate
3 this first third and we graze the back the second third, the
4 middle third. And that is a cross fence and a ditch line.

5 Q. Very well. Now, is there any surface water
6 showing in the vicinity of the well site?

7 A. The well site again, is there. And right here
8 you can see the natural spring.

9 Q. I see. Would you circle that natural spring?
10 How far would that spring be from the well site?

11 A. Probably under 250 yards.

12 Q. Okay. And going from the first spring there
13 towards the loop in the river and close to the fence -- that is
14 a fence, Mr. Sena?

15 A. Yes.

16 Q. I'm sorry. Is that another place where water
17 gathers?

18 A. Yes, it's another impoundment. Again, more to
19 catch silt from running onto our pastures.

20 Q. And how far would that be from the well site,
21 approximately?

22 A. 200 yards.

23 Q. If you could circle that as well. Now, is the
24 acequia visible there?

25 A. The acequia -- we have one that runs here.

1 Q. Okay.

2 A. We have one that runs here.

3 Q. All right.

4 A. And then we have the one that runs up on top.

5 Q. Okay. And, generally, how would you -- how far
6 away is that well site from those areas that are being
7 irrigated by your acequia?

8 A. 100 yards. Mr. Trujillo, may I say something?

9 MR. HALL: There's no question pending of the
10 witness.

11 Q. (By Mr. T. Trujillo): What did you want to say,
12 Mr. Sena?

13 A. Just that it is very relevant that runoff on that
14 little canyon right there is right in the path of the well, the
15 proposed well pad.

16 Q. Would you mark a line parallel with the course of
17 that runoff and then mark it on your exhibit? I'm going to
18 turn your attention to a neighboring property, Benjamin
19 Trujillo. Are you familiar with that property?

20 A. Yes, sir, I am.

21 Q. And how are you familiar with that property?

22 A. I buy Mr. Trujillo's elk permits, and I utilize
23 the property for elk hunting.

24 Q. What water improvements, if any, do you share
25 with that property?

1 A. Our head water -- excuse me -- the headwaters to
2 our ditch, our head gate, is just north of Mr. Ben Trujillo's
3 property, and the main ditch has two runoffs through the middle
4 of Mr. Trujillo's property.

5 MR. HALL: At this point, Mr. Examiner, I'd interpose
6 an objection. We've indicated that the APD for the Trujillo
7 No. 1 is being withdrawn. It's no longer relevant to what
8 we're doing.

9 MR. BROOKS: Mr. Trujillo?

10 MR. T. TRUJILLO: Well, Your Honor, relevance is,
11 again, in the eye of the beholder. What we're looking at is
12 the process of selecting well sites. And I think that that's,
13 you know, germane because that is the application that we have
14 pending before, even though it's been withdrawn, it is an
15 accomplished fact that it was selected.

16 And I think we're looking at a number of changes
17 which the Hearing Examiner can certainly take into
18 consideration. But what we're also looking at is the process
19 of selecting well sites. And I think it's germane to that
20 topic.

21 MR. BROOKS: Well, I'm not sure I see the relevance,
22 however, since this is an administrative proceeding, I will
23 allow you to develop the testimony and see what relevance it
24 has. I overrule the objection.

25 Q. (By Mr. T. Trujillo): Mr. Sena, if you could

1 turn to photo 38. What are we looking at in this photo?

2 A. We are looking at our lower ditch on Mr. Ben
3 Trujillo's property.

4 Q. And where is the lower ditch in this photo? Does
5 it have a name?

6 A. That's all also Acequia Sena Salazar.

7 Q. And what do we see at the top of the picture?

8 A. If I'm correct, it's 27 yards from our ditch to
9 the proposed well site.

10 Q. Did you yourself actually walk it?

11 A. Yes, I have.

12 Q. Okay. Now, if you turn over to photo number 39,
13 what are we looking at here?

14 A. This is standing right next to Approach's
15 proposed well site opposite --

16 MR. BROOKS: To clarify for the record, is this again
17 the site that has been withdrawn that Mr. Hall referred to?

18 MR. T. TRUJILLO: That is correct, Mr. Hearing
19 Examiner.

20 A. Again, we are standing on the proposed drill site
21 looking opposite the ditch at the river.

22 Q. (By Mr. T. Trujillo): And how would you gauge
23 the distance?

24 A. If I'm correct, it was 130 feet.

25 Q. Okay. Mr. Sena, are you familiar with a third

1 property owned by an Anthony Garcia?

2 A. I know of the property, and I've been on it. But
3 not a lot, sir.

4 Q. Very good. And if you could go to County's
5 Exhibit No. 1 and locate on that exhibit Mr. Anthony Garcia's
6 proposed well site?

7 A. I believe it's right in here.

8 Q. Does it show -- in terms of proximity to Highway
9 64, is it north or south of it? Can you tell?

10 A. Like I said, I have not visited the site. I just
11 know of the ranch. But I have seen the ribbons on the gate
12 indicating that the surveyors have been there.

13 Q. And at the place where the ribbons are on the
14 gate, how would you describe the terrain immediately next to
15 the gate?

16 A. From the right-of-way fence or US 64 all way to
17 the river, it is a marshy bottomland.

18 Q. Is it an irrigated parcel or is it naturally
19 marshy?

20 A. It's a natural marsh.

21 Q. Now, Mr. Sena, what other concerns do you have
22 with the selection of these drilling sites that are on your
23 property in addition to the ones that we've talked about?

24 A. I think we've basically covered them. It's just
25 the fact that they were very inconsiderate to the environment.

1 They were very inconsiderate to the landowner. They are very
2 inconsiderate to the land.

3 Q. And did you have any opportunity to meet with the
4 hydrologist from the company recently?

5 A. No.

6 Q. Now, let me ask you, before your experience with
7 Approach, what was your opinion regarding the oil and gas
8 industry? What was your view?

9 MR. HALL: I'm going to object. The question is
10 calling for opinion testimony from a fact witness.

11 MR. BROOKS: Well, I don't think it's being offered
12 as opinion testimony, so I will overrule the objection.

13 Q. (By Mr. T. Trujillo): You can answer.

14 A. I'm all for community growth. I'm all for
15 economic development. I've never been involved with a
16 situation like this before. And I'm for progress, but I think
17 negative aspects or negative dealings with Approach have
18 effected me in a negative way.

19 Q. Well, given your experience then with Approach,
20 what would be your recommendations to OCD for improving the
21 future of drilling on the Sena ranch?

22 A. It needs to be a little more correlation between
23 landowner and the drilling companies. I think local history
24 and knowledge and those aspects should be taken into
25 consideration.

1 Q. If these well sites are going to continue in the
2 locations that are proposed, what impacts economically would
3 you anticipate? Let me sharpen that question.

4 What impacts would it have on your outfitting
5 business?

6 A. As far as my personal businesses and my ranch, it
7 would diminish property values, I believe. It would diminish
8 my harvesting of game animals. It would increase my workload
9 as far as maintaining affected areas such as erosion,
10 reseeding. In times of drought, re-navigating my ditches to
11 better irrigate my properties would all be a burden.

12 MR. T. TRUJILLO: Mr. Hearing Examiner, I pass the
13 witness.

14 MR. BROOKS: Very good. At this time we'll take a
15 15-minute -- or, let's try for a 10-minute recess. I don't
16 know if we can actually make it that quickly or not.

17 [Recess taken from 10:35 a.m. to 10:50 a.m., and
18 testimony continued as follows:]

19 MR. BROOKS: For your information, I'll note that
20 Rio Arriba County has 4 hours, 56 minutes remaining, and
21 Approach has 5 hours, 54 minutes remaining.

22 You may proceed, Mr. Hall.

23 CROSS-EXAMINATION

24 BY MR. HALL:

25 Q. Good morning, Mr. Sena. Let me ask you when you

1 ran through your photographs -- might we have those put up on
2 the PowerPoint, please? You identified a number of springs on
3 your property for us.

4 A. Yes, sir.

5 Q. Can you tell me, do you utilize the water from
6 those springs?

7 A. Partially.

8 Q. Do you have water rights associated with the
9 springs?

10 A. Yes, sir, we have 54-acre water rights.

11 Q. And those springs charge the acequia; is that
12 correct?

13 A. No, sir, they do not.

14 Q. I'm confused. You indicated earlier you had 54.4
15 acre feet of water rights, but not from the acequia?

16 A. No, no. From the acequia but not from the
17 springs.

18 Q. Okay. So you have separate rights to the
19 springs; is that accurate?

20 A. No, sir. I do not know anything about actual
21 water rights from a spring.

22 Q. All right. Do you know if those springs are
23 registered with the State Engineer to anyone?

24 A. I'm sure they are.

25 Q. Do you know to who?

1 A. I don't know for sure, sir.

2 Q. Initially, I believe I heard you testify that you
3 did not have a fresh domestic water well on your property. Did
4 I understand correctly?

5 A. That is correct, sir.

6 Q. We can look at your photograph, your Exhibit 23,
7 which is your house there. Is there no well at your house?

8 A. There is a sump well. It's a 400-gallon
9 container buried about 20-foot under the ground, and it absorbs
10 water from the ground.

11 Q. All right. Is your house on a septic tank
12 system?

13 A. Yes, sir, it is.

14 Q. And this is not your primary residence; is that
15 correct?

16 A. No, sir, it's not.

17 Q. How often do you utilize that residence?

18 A. During the summer months probably three days a
19 week, one or two persons.

20 Q. Do you have any tenants there?

21 A. No, sir.

22 Q. Okay. I'm curious to know, Mr. Sena -- I'm sure
23 you know your property very well. Tell me, do you know what
24 the carrying capacity is?

25 A. As far as livestock?

1 Q. Yes, sir.

2 A. In a good, good year, sir, we can run 60 to 70
3 pair.

4 Q. All year long?

5 A. Six -- five to six months out of the year.

6 Q. Okay. And does the elk population affect your
7 carrying capacity?

8 A. No, sir.

9 Q. On your ranch again, I'm sure you're familiar
10 with it, I'm curious to know, have you ever seen any oil seeps
11 on the surface?

12 A. No, sir. But we do have the remnants of an old
13 coal mine, and to my way of thinking, if there's coal, there
14 should be oil.

15 Q. Is that the Dandy Mine, do you know?

16 A. It is a vein of the Dandy Mine, Duende.

17 Q. Say again?

18 A. Duende Mine.

19 Q. Duende?

20 A. Yes.

21 Q. Okay. Can you locate that on the map for us and
22 circle that?

23 A. You want the vein on my property or the well?

24 Q. If you could locate all veins known to you
25 associated with that mine.

1 A. Not on this map. It would be in this area, sir.

2 MR. HALL: If I may approach, Mr. Examiner --

3 MR. BROOKS: You may.

4 MR. HALL: -- to look at this?

5 Q. (By Mr. Hall): Would you point it out to me?

6 A. I'm going to say it's right there.

7 Q. Okay. And you've indicated from the Sena Well
8 No. 2 location it's approximately a half a mile to the east; is
9 that fair to say?

10 A. Yes, sir.

11 Q. Okay. What type of mine is that?

12 A. There's two abandoned coal mines.

13 Q. Coal mines? Do you know when the mines last
14 produced?

15 A. It is my understanding that in the '40s and early
16 '50s and maybe later, that the coal from these mines was used
17 to heat the schools. So I'm going to say the '40s -- '50s,
18 maybe early '50s.

19 Q. Okay. Mr. Sena, you briefly discussed your
20 relationship with Approach.

21 A. Yes, sir.

22 Q. Isn't it accurate to say that Approach has always
23 been open to you and will take your calls at any time?

24 A. That is correct.

25 Q. You've had numerous telephone calls with

1 Approach's landman?

2 A. That's correct.

3 Q. And you've had at least one face-to-face meeting
4 that I know of. Are there more?

5 A. I do not recall any face-to-face meetings.

6 Q. Well, you and I were at one.

7 A. Oh, I'm sorry. You're right, sir. May I say
8 something along those lines?

9 Q. Let me ask you some questions about that meeting,
10 if I might. You had your attorney present with you; isn't that
11 right?

12 A. Yes, sir.

13 Q. And, in fact, you mentioned the issue of you
14 think you have a mineral title interest --

15 A. Yes, sir.

16 Q. -- in the lands. And isn't it correct that
17 Approach offered to make its title examining attorney available
18 to you to discuss that?

19 A. If that is the case, it has not been conveyed to
20 me. I did make a phone call and talked to Mr. Bryce Morgan in
21 regard to obtaining a copy of your deed or your documentation
22 claiming mineral rights. Mr. Bryce Morgan told me that since I
23 had retained an attorney, that all correspondence would go to
24 him.

25 Q. Should I make that available to your attorney?

1 Would you like me to do that?

2 A. I already paid to get it done, sir.

3 Q. You should have called me. That's all I have,
4 Mr. Sena. Thank you very much.

5 A. You're welcome, sir.

6 MR. BROOKS: Thank you. Is there anyone here who is
7 not a party or an attorney or a witness who wishes to speak at
8 this proceeding? If so, please hold up your hand.

9 We have a couple of people in the back. Anybody
10 else? Very good. Since there are just a few, we will do that
11 just before the lunch break. And so I won't need to take a
12 list of names because there are just a few people. I thought
13 there might be a large number.

14 Okay. I take it since your witness has already
15 stepped down that you had no redirect; is that correct?

16 MR. T. TRUJILLO: That's correct, Mr. Hearing
17 Examiner. I won't be using any of our time for redirect.

18 MR. BROOKS: Very good. Thank you. You may call
19 your next witness.

20 MR. T. TRUJILLO: That would be Beth Sultemeier.

21 MR. BROOKS: Okay, you've already been sworn, so you
22 may proceed, Mr. Trujillo.

23 BETH SULTEMEIER

24 after having been first duly sworn under oath,

25 was questioned and testified as follows:

DIRECT EXAMINATION

1

2 BY MR. T. TRUJILLO:

3 Q. Ms. Sultemeier, would you state your name for the
4 record?

5 A. Beth Sultemeier.

6 Q. Okay. And what is your educational background,
7 generally?

8 A. I have a college degree in health, physical
9 education, and recreation. And I'm also a licensed real estate
10 broker.

11 Q. And what is your current occupation?

12 A. Real estate broker.

13 Q. Okay. What is your familiarity with the Tierra
14 Amarilla area?

15 A. I'm very familiar. I grew up in New Mexico. I
16 live in Espanola and our family has gone up hiking and fishing
17 and camping and things up in northern New Mexico for years and
18 we own the property up there now.

19 Q. And now the property that we're talking about is
20 the property that has two proposed well sites; is that correct?

21 A. Yes.

22 Q. As you understand it?

23 A. Yes.

24 Q. How are you connected to that property yourself?

25 A. With the family. I'm a part owner of -- we have

1 property both on the east and west side of the highway.
2 There's 1600 acres on the east side and a little over 3100 on
3 the west side. My mother -- it was my father's and a partner
4 that split up years ago. My mother -- it's now mostly in her
5 name in the trust. And on the east side there's 400 acres of
6 my mother's on the north end. And then there's six children
7 and we each have interest in the remaining 1200 acres.

8 Q. And is there an operation for the entire
9 property?

10 A. We operate it as one piece, the Sulzemeier Ranch,
11 and we do similar to Mr. Sena. We have an outfitter who
12 handles -- we only do elk hunting. We don't do deer. We're
13 trying to build up the deer population on the property. And we
14 also lease out for cattle a certain part of the year. So, you
15 know, that is part of my mother's income, basically.

16 Q. What would be your role in the Sulzemeier Ranch?

17 A. I've been -- since I'm the only one directly
18 living closer, the youngest kid, I've kind of been the ranch
19 manager, I guess you would say. I'm kind of the coordinator
20 for everything. My mom is 87 and she wasn't as involved in it
21 as my dad, so as the kids, we've kind of taken over, myself and
22 couple of my brothers more have a role in it than others.

23 Q. Now, is any part of your property irrigated?

24 A. No, we don't have any irrigation.

25 Q. Now, do you understand from any source if you

1 have any mineral rights in this property?

2 A. I had not been aware of any, but the first phone
3 call I received from Approach was Bryce Morgan. He said that,
4 you know, most landowners don't have any, but we had a very
5 small percentage. And I don't recall. In my mind I want to
6 say one twelfth of one percent or something, very small.

7 Q. Now, what was your first contact with officials
8 from Approach?

9 A. I got a phone call. Mr. Morgan called and said
10 that their company from Ft. Worth was handling the mineral
11 rights. And I've never had any dealing with that or how it
12 works, so I didn't know if they owned them or were -- you know,
13 the company representing the owner or whatever. And he was
14 very nice and just said that they wanted to coordinate with us
15 about various sites. I believe he said they had like 90,000
16 acres total in the area and that a certain portion was our
17 ranch. But he didn't get into what areas or where at that
18 point.

19 Q. In the discussion about sites, they were for what
20 purpose?

21 A. Well, he -- what he first told me was the initial
22 thing was to just come in and do exploratory. Just to come in
23 and kind of survey and look at the area and try to determine
24 the area that they were going to use. And he told me it would
25 be on the east side.

1 And I don't remember if it was the first conversation
2 or another one. He called a couple of times. He said the east
3 side and he described the gate. We have some corrals. We have
4 certain names for certain areas and, you know, our main gate is
5 across from some corrals, and he did explain that gate, that
6 they wanted to go into that and look around. And where he told
7 me they wanted to look was between the highway and the big
8 cliffs going up the TA Hill, as we call it. There's a lookout
9 up the TA Cliff.

10 There's a narrow strip along there that's mostly
11 pinon. We don't normally use that area. So I said, "Well, let
12 me talk to the family. But, actually, that probably would be
13 an agreeable place to do exploratory because we don't really
14 use that, and it wouldn't hurt any area that we use."

15 And we did have several conversations about that and
16 specified the area. But it was all verbal.

17 Q. Then what was your next contact with them?

18 A. Basically just -- a lot of times we would miss
19 each other, just playing phone tag or, you know, I have a cell
20 phone, of course, and a home phone. And, we'd miss each other
21 times about needing to get in. I don't remember -- I know I
22 wouldn't probably give out the combinations to the gate. And,
23 of course, it's close enough to the highway that surveyors or
24 whatever probably walked in.

25 I was not up there so I didn't see any, you know,

1 stakes or what they were doing. On the second one, now, I've
2 seen some areas. But at that time, I didn't see any. And we
3 did do everything verbal. There wasn't, you know -- I didn't
4 understand how it worked or really know what to ask or how to
5 proceed, so it was verbal and we did not talk about me going up
6 there to see it at that time.

7 Q. Now, are you talking about the first site?

8 A. The first site.

9 Q. And subsequently, what activity, if any, occurred
10 at the first site?

11 A. Well, we didn't hear -- I know it was probably
12 before September of '07. And the first time we saw anything --
13 I didn't hear anything about roads or anything what they were
14 doing until -- I just happened to know it was September 29th
15 of '07 because it was my oldest brother Bill's birthday, and he
16 and his wife went up there for a picnic.

17 And we have -- my dad's favorite spot, that's what it
18 was, the box canyon. That was my dad's favorite location. The
19 reason he liked it was because it was protected off the road
20 but not too far off the highway to get to. And it had about
21 every kind of tree on the ranch. We are a little lower in
22 elevation, so we're mostly pinon, juniper, some pine. This was
23 the only location that had a grove of aspen trees, and it was a
24 meadow.

25 The previous owners did wheat farming so there was a

1 lot of -- you know, besides sagebrush and trees, there was a
2 lot of open meadows, which is nice. This was kind of a little
3 box canyon with a meadow, and that's where we had our family
4 gatherings and things.

5 Q. What report did you get from your brother, Bill,
6 then?

7 A. Well, I was working that day and when I came
8 home -- we're pretty big kidders and when I walked in the door
9 he said, "Well, the picnic area is gone."

10 And I said, "What? What are you talking about? Tell
11 me what it is."

12 And he said, "It's gone. It's completely gone. It
13 looks like a big parking lot. The trees are gone. Everything
14 is gone. Daddy's place is gone."

15 I said, "Oh, yeah, you're kidding."

16 And I looked over at my sister-in-law and she was
17 crying. And she said, "You're brother just burst into tears
18 when he got up there."

19 So I still kind of thought he was kidding. And I
20 said, "Well, no, that's not right. It's supposed to be between
21 the cliffs. That's not right."

22 He thought, actually, when he came in the main gate,
23 which was previously a two-track ranch road, he thought -- he
24 was actually supportive. He thought, oh, that's very nice,
25 they came in toward the old homestead cabin that is falling

1 down. And he thought they had moved the road up next to the
2 trees out of sight, so he actually thought that was a good
3 thing. But when he came past the homestead and it forks off to
4 that canyon -- he said, when he saw it fork to the canyon, he
5 said he just knew that something was wrong.

6 Q. What followup did you have, then, with Approach
7 after that.

8 A. After having to make the phone call to the rest
9 of the family to explain what happened -- I mean, I felt
10 terrible because I just felt responsible in a way that I didn't
11 understand it or get the right information or whatever, so I
12 called everybody and explained it and then I did call Bryce
13 Morgan. And he was very nice, you know. He said, "How are you
14 doing?"

15 I said, "Well, I'm not doing very well. We have a
16 problem. They drilled in the wrong spot."

17 And since then I realize they haven't drilled. They
18 put the pad sight and the tank, the water tank and all.
19 There's a culvert there. I thought it was where they drilled.
20 But anyway, he said, "What do you mean?"

21 And I said, "Bryce, they went over the hill into the
22 box canyon into a meadow where we have" --

23 And he said, "That's not where we discussed." He was
24 very nice. I kind of expected him to say, "No, no. That's
25 what we said." He didn't. He was very nice. And he said,

1 "That isn't where we discussed." He said, "It was between the
2 road and those big cliffs."

3 And I said, "Yes."

4 And he said, "Well, that's not what we talked about."

5 I said, "Well" --

6 And he said, "What do you want us to do? What can we
7 do to help you or to make it better?"

8 And I said, "I don't know. I don't even know what to
9 tell you." So I talked to the family and we talked about, you
10 know, we're not all about money. Should we have them reclaim
11 it and replant it, reseed it. But we said it'll never be the
12 same in our lifetime, but maybe the grandkids in the future
13 will enjoy it.

14 So we really didn't tell them anything of what we
15 wanted. We just didn't know what to do. They had given us a
16 very minimal payment for just the first, you know, initially
17 they said it was a one-time payment for just doing the
18 exploratory well.

19 Q. What was the amount of that payment?

20 A. A thousand dollars, and no payment for roads or
21 anything. And I didn't know what they were supposed to pay
22 for. So we took that. And then he said, "Well" -- he called
23 back. He said, "Beth, we've discussed it and we're going to
24 send you another \$4,000 to help make up for what was done. And
25 then any future sites we will offer you \$5,000."

1 But in the meantime, talking to other landowners and
2 people, I was told you should be paid for roads, you should be
3 paid for things. And I told him at that time, I said, "You
4 know, Bryce, you said they were going to be doing a second
5 site, you know. We just need to slow down and back up."

6 I said, "First of all, we aren't going to agree to
7 any other sites until we talk about some ground rules and what
8 is expected and, you know, access and what we get paid for and
9 everything." And I said, "We do not want any other site unless
10 we can physically go and look at the site and approve it."

11 And he said they would do that. But they have staked
12 out a second site, and I did not meet with them up there. And
13 they did offer on the second one two days after Memorial Day to
14 meet me up there, I think, with the hydrologist or something.
15 But I was back at work after the holiday, and I couldn't meet
16 them and none of my brothers -- they were working, so we could
17 not go.

18 Q. Now, you talked about the second site being
19 selected. I gather, then, that you had no participation in
20 that decision?

21 A. No. They did mail us -- he didn't tell me
22 anything verbally. They did then mail us a detailed contract
23 at that point with an aerial map marking it. And I did go up
24 several weekends and walk, and I did find where it was staked
25 and where it was flagged. But I didn't give them anything back

1 in writing that we would approve it. I don't necessarily have
2 a feeling right now whether we would approve that site or not.
3 I know two of my brothers are not happy with it because it's in
4 an area with the views and, you know, a pretty area where we
5 talked about doing a cabin or something eventually. So we have
6 not given them final approval to do that site. Or we have not
7 signed the contract either because of the moratorium, and I
8 wanted to get more information.

9 Q. Now, let me ask you to take that binder in front
10 of you, and I'm going to look for an exhibit that might -- hang
11 on. Let's look at Exhibit 16. Hopefully I got it right.

12 Now, if you could thumb through that, Ms. Sultemeier,
13 and is this the correspondence that you received with regard
14 the two sites?

15 A. Yes. This one was mainly for Well No. 2. This
16 was after -- for the second site, mainly, I believe.

17 Q. Okay.

18 MR. T. TRUJILLO: Now, this is Rio Arriba County 16,
19 so I would offer it into evidence.

20 MR. BROOKS: Okay. I assume that you have the same
21 objection you had to the previous letter.

22 MR. HALL: I do, Mr. Examiner.

23 MR. BROOKS: Okay. We'll overrule the objection.
24 Exhibit 16 will be admitted.

25 [Applicant's Exhibit 16 is admitted into evidence.]

1 Q. (By Mr. T. Trujillo): Now, I want you to turn to
2 Exhibit D on this. And unfortunately, what we have are black
3 and white photos rather than color photos. But I believe we
4 will probably be fine with this.

5 A. The aerial?

6 Q. Of the aerial.

7 A. Yes.

8 Q. It's going to be hard to read.

9 A. Yeah.

10 Q. But since you know the lay of the land there, is
11 this the plat that you understood was mapping out the second
12 well site?

13 A. Yes, yes.

14 Q. What features do you see on there that would be
15 new?

16 A. Well, part of what we looked at is that the
17 road -- this is the proposed road. It's cutting right across
18 what we call the elk pasture. It's the gate that is farther
19 south from the first one. When they were going up to do this
20 one -- I guess when they came up for Memorial Day, they got in.
21 He called me and said they couldn't get to the first site.
22 They wanted the combo or they needed to go back to the first
23 site for something.

24 And I said, "Well, how did you get into the second
25 one? If you got to the second one, you can get to the first

1 one. There's a road that goes around."

2 And he said, "Well, they had put their lock on this
3 gate," which I didn't know about. And my first thought about
4 this one is that we would not permit a road to be cut right
5 through the middle of the elk pasture. You know, we try to
6 keep roads around the edge or along the tree line. So that was
7 the first thing we noticed. And then I was able to go back up
8 and find the site, though.

9 Q. And now, does it show the access to the first
10 well site on this plat as well?

11 A. Yes. I guess it's just farther over to the left
12 there. I guess if that's supposed to be the road -- it's hard
13 to see, even on the color copy. I guess the line on the left
14 is -- that's supposed to be showing the first site, I guess.

15 Q. Would that be the approximate location at the end
16 of the road of the box canyon?

17 A. It seems like it goes farther back to me, but I
18 can't tell from this copy. To me I would think it would be
19 more down below about the middle of page where it kind of makes
20 a curve there and kind of open. That's where I would kind of
21 visually -- that's more of the box canyon area to me.

22 Q. Well, let's see if we can find some photos, then,
23 of that box canyon. What I would like to do is maybe start
24 with a photo -- 22. Would this be the box canyon we're talking
25 about?

1 A. Yes, it is.

2 Q. What are we looking at. What are we looking at?

3 A. It's right where that -- the open pad is where
4 the little meadow was. It does -- this was the main road that
5 came in, the two-truck ranch road that came back to this and
6 then -- you can't see it, it's blocked off -- there was another
7 road. You can kind of see the canyon up above there that goes
8 into another little canyon. That's blocked off now. And then
9 the grove of aspens you can kind of see a little bit of it
10 there to the left in those cliffs above. And this is over a
11 ridge from the big main cliffs going up to TA. This is over
12 that ridge and comes back into this little canyon.

13 Q. Now, were there aspens that were removed?

14 A. There were some aspens that were removed. Not
15 all of them. And there are a few aspens a little north of
16 that, you can see. But there were some aspens, pinons,
17 juniper, cedar-type of thing that was removed.

18 Q. Now, does the water drain into the area of the
19 pad from the canyon?

20 A. It could, yes. At certain times it would drain
21 there. It is kind of at a slope there. It does drain downhill
22 from there. And then also from the ridge it would drain down.
23 So you kind of -- it would come from different directions.
24 It's not like it all drained south or north. It would drain
25 west a little bit. It would drain south and east a little bit.

1 Q. Now, from the photo, it appears that structure
2 there has water. Have you been on the site, and can you
3 identify what that is?

4 A. Yes. That's the lined pit. And it does have
5 water in it. I didn't know where. I didn't -- you know, like
6 I said, I didn't know if they had drilled or what they had done
7 yet. So I thought that was water they had used. But someone
8 says they think it's just from runoff, just drainage that has
9 come into that pit.

10 Q. Would you go ahead and circle that pit for me on
11 there?

12 A. On here?

13 Q. Let's see, well, does it show up on this?

14 A. It does.

15 MR. T. TRUJILLO: Let the record show that she
16 circled it in yellow marker. Very good.

17 Q. (By Mr. T. Trujillo): Now, let's look at
18 photo 28. How does this photo relate to the one we just looked
19 at?

20 A. We're just looking at it flip-flopped. You can
21 see the highway there above it.

22 Q. That's 84?

23 A. Yeah. That's 84. So the road -- you can see the
24 road coming in. That's across from the corrals. That's the
25 gate that we normally use. It comes past the first little

1 grove of trees and then where it takes a turn to the right,
2 just to the left of that is where the old -- there was an old
3 homestead there -- then it just goes along the treeline and
4 comes back into that canyon.

5 Q. Now, is the second site visible in this area at
6 all?

7 A. I don't think this goes over far enough. No.
8 You cannot see this in this photo. It would be farther to the
9 left.

10 Q. Now, you were talking about a high cliff going up
11 TA Hill. Is part of that high cliff visible here, or is that
12 farther up?

13 A. Just the start of it over on the right side where
14 the highway where the meadow is and then the trees start,
15 that's the edge of the cliff. You can kind of see the white
16 and then -- that's the start of the cliffs. And, of course,
17 the lighter area over there toward the right is the highest
18 point. Our property goes approximately to where the end of the
19 cliffs right before you go up the TA Hill. That's what I've
20 always been told is kind of our north boundary.

21 Q. So what was your understanding about where the
22 well was going to be located, then, if you could use this photo
23 as a point of reference?

24 A. We thought it was going to be in between the
25 highway so you see the road coming in at the highway. We

1 thought directly north of there -- you can kind of see the
2 white line on the ridge of the cliffs. We thought it was in
3 that narrow strip between the highway and the cliffs. That's
4 where we thought it was going to be.

5 Q. Now, you did mention you had acreage on the
6 south -- on the west side of the highway as well?

7 A. Yes. A little over 3100 over on the east side.

8 Q. Have there been any discussions about that
9 property?

10 A. No.

11 Q. Let's look at 29. And, again, maybe you could
12 give us a frame of reference with this one.

13 A. This is the Well No. 1 that they came in -- and,
14 of course, the road is coming in from the highway and around by
15 the homestead and then this is back in the box canyon there.

16 Q. Okay. Now, looking at this photo, which way
17 would water flow in this terrain?

18 A. Well, I'm not an expert on that. But just for
19 the terrain from what's higher, this is the hill. The back
20 side of the big cliff comes down this way. This is a little
21 cliff that probably runs a little bit that way. And then
22 there's also a small cliff over on this side.

23 So it's going to kind of all drain into that meadow.
24 That meadow is always really green. It probably retained
25 moisture a little bit because of being a little more protected

1 as far as wind and sun, you know, trees. So it always stayed a
2 little greener in there.

3 Q. Did you ever see wildlife?

4 A. Yes. Well we have a lot of deer and elk. We
5 have three antelopes that are in there. We have a bear that
6 I've seen in this particular canyon. We have turkey, of
7 course -- coyotes and prairie dogs. It's a good day depending
8 on how many animals I see when I go up the ranch. I'm happy
9 when I see the animals.

10 Q. Could I ask you to look at 33. Now, can you
11 locate on this photo the location of the box canyon?

12 A. Well, it's a little harder. I'm not sure what
13 we're looking at here. Is this heading north to the right, or
14 what are we looking at? I'm not sure on this.

15 Q. Well, suppose for the sake of discussion that
16 that is Highway 84.

17 A. Okay.

18 Q. And to the right is going south and to the left
19 is going north.

20 A. Okay. Oh, okay. Now I got you. Now I see.
21 Yes. You can see the road right here coming in. It looks like
22 that goes around the curves and it looks like that's the pad
23 right there in the box canyon, yeah.

24 Q. Now, can you see where the proposed road is on
25 this photo for the second well site?

1 A. Yes. This would be what we call the elk pasture.
2 And it looks like on their thing it would go around and then
3 come up around and it looks like it's hidden by the trees. But
4 it comes around this big pasture and then comes back in over
5 here below -- there's another ridge, a lot of ridges and
6 cliffs -- and it's below that, yeah.

7 Q. And --

8 A. And there's not an existing road across that
9 pasture now.

10 Q. And where do you think a more sensible route
11 would be?

12 A. Well, if that site was -- you know, we haven't
13 agreed to that site yet. One of our biggest requirements would
14 be to either follow an existing road or to put it along a tree
15 line or arroyo or something so it's not so visible and scars up
16 the land. But we'd be concerned about that area anyway just
17 because that's a crossing and migration for the elk and deer.
18 You know, dusk and dawn every day that's where they cross,
19 usually. So we would be concerned about that.

20 It would be farther. I understand they want to go
21 the closest route, so I understand. You know, from the other
22 road, the first road, there is an existing road that goes
23 around by a big tank and around some other pasture, but I do
24 understand that's farther. So, you know, cost effectiveness, I
25 think they were just trying to take a more direct route. But

1 we would be concerned with that a little bit.

2 Q. Is any part of your property to the west of
3 Highway 84 visible in this photo?

4 A. To the west? Yes. But actually, what it is, our
5 property on the east side starts down even south of where this
6 shows. It's longer. It even goes father this way. It starts
7 across from the Spills Ranch that everyone knows there's a big
8 red barn. On the east side it's all this side. Then on the
9 west side it starts across from the -- the corrals across from
10 this gate and goes north and east. So this area right here is
11 not part of ours.

12 Q. Okay. For the record, I wanted to look at some
13 correspondence that appears to have taken place. So I'd like
14 you to take a look at 13, Tab 13. Is this a letter that you
15 have dealt with?

16 A. Yes, it is. What had happened is they were
17 sending things to my mother. And as I said, she's 87 and has
18 some health problems, so she asked me and the boys to handle
19 it. So she gave this to me.

20 Q. Okay. Now, in looking at Exhibit No. 14, if you
21 would, is this another letter that you would have handled?

22 A. Yes.

23 Q. Now, let's look at 50.

24 A. 50, 5-0?

25 Q. 1-5. I'm sorry, 15.

1 A. 15?

2 Q. Yes.

3 A. Okay.

4 Q. Again, is this a letter that you have dealt with?

5 A. Yes. This is the letter that came after I talked
6 to Bryce about the first well being in the wrong location.

7 Q. We're going to skip 16.

8 A. Okay.

9 Q. And let's look at 17. 16 we already looked at.
10 And we're looking at that. Is that another letter where you
11 received correspondence?

12 A. Yes. And actually, I was copied on this one
13 also.

14 MR. T. TRUJILLO: Very well. And at this point, I
15 would like to offer for admission Exhibits 13, 14, 15, 17 -- 16
16 has already been admitted.

17 MR. BROOKS: Mr. Hall?

18 MR. HALL: Mr. Examiner, we would object. These
19 letters have to do with negotiations between Approach and the
20 record title owner of the property, Avella Sultemeier. It gets
21 into prospective contractual elections pursuant to the Surface
22 Owners Protection Act. I think that's a realm that is outside
23 of the Division's jurisdiction.

24 In the course of the legislative process resulting in
25 the enactment of the Surface Owners Protection Act, it's my

1 understanding that the Oil Conservation Division indicated to
2 the Legislature and to the parties that to be part of that
3 process, it's really beyond the Division's jurisdiction and
4 authority under the Oil and Gas Act.

5 I don't think it's relevant at all to the issues that
6 are set forth in the advertisements for this case.

7 MR. T. TRUJILLO: If I may, Mr. Hearing Examiner?

8 MR. BROOKS: I'm going to overrule the objection.
9 We'll admit this for purposes of showing background.

10 [Applicant's Exhibits 13 through 15 and 17 are
11 admitted into evidence.]

12 Q. (By Mr. T. Trujillo): Let me ask you, then, I'm
13 going to go back to photo 29. And have you been on this site
14 since -- where you would see the features present?

15 A. Yes, yes. I've been there recently quite a few
16 times.

17 Q. Okay. Now, is there any -- what evidence, if
18 any, is there of erosion that's occurring on this site?

19 A. There's a couple of different places. Along this
20 little ridge, it's eroding over here and then there's erosion
21 right there, kind of both in this area. It looks like it was
22 cut down about four feet. This was all level at one time and
23 now it's down about four feet I'd guesstimate. And, you know,
24 there is signs of water breaking little banks and rolling down.
25 And then, of course, we believe the water in the pit there was

1 from one runoff and things.

2 But probably the biggest erosion is in an area right
3 along here. And while we were looking -- it's -- you know, my
4 brother stood in it. It's about to his knee, and he's about
5 5'10". And as we were looking at that, we discovered a well
6 casing sticking up that we didn't know about, and we dropped a
7 rock, and it sounded like it hit water about 50 feet. And we
8 didn't know that was even there. So there was a water well
9 that we discovered. We knew there was an old water well over
10 in the trees over here with an old hand pump that, you know,
11 not operational that we've ever used for anything. But that
12 other well casing we just discovered. I had never seen it.

13 Q. Whereabouts on this picture is that other well
14 casing?

15 A. Oh, I'd say right in about here. It was close to
16 where the erosion was.

17 Q. If you could take your marker and mark a circle
18 in the area.

19 A. Yes. It might be easier to see on this one.

20 Q. And would you initial it at the bottom of that
21 page? You might want to use a pen.

22 A. Sure.

23 Q. Now, when was it that your brother was there when
24 the signs of erosion were evident?

25 A. Let's see -- gosh. At least a couple -- a month

1 and a half to two months ago. I went up with -- I've taken
2 quite a few trips up there because my brothers all live
3 different places and they all just happened to be coming in
4 different weekends. So I actually went up there three weekends
5 in a row to show three different brothers what was going on.

6 And then I've been up there several times with other
7 family members. Oh, you know, six to eight weeks. Within six
8 to eight weeks ago.

9 Q. And roughly when was the pad built, as far as you
10 can tell?

11 A. Well, it was built sometime before September 29th
12 of '07. I know there's some letter dated the 5th of September.
13 So I would assume it was built between the 5th and the 29th.
14 But it was already done when we saw it -- when my brother saw
15 it on the 29th.

16 Q. Had you ever received notice, a phone call, or a
17 letter that indicated the pad was going to be constructed on or
18 about that date?

19 A. No. What was confusing to us is that -- I guess
20 what we interpreted when I first talked to Bryce, and the way I
21 understood it is that the exploratory well I pictured -- what I
22 had pictured maybe was like water wells. We expected a little
23 bit of an area to be disturbed and some pipes sticking up and I
24 knew they would have to take some trees to get the road, you
25 know, the equipment in and things like that.

1 I thought that unless they found something, then they
2 wouldn't go forward with the pad and the pit and all that. So,
3 you know, even though he did say a size of 175 by 175, we
4 didn't envision something like this at the beginning. We
5 thought it would go in different stages of exploratory seeing a
6 smaller disturbed area and then we'd get a call saying, "We
7 found something," or "It looks like there is oil," or whatever.
8 "Here's the next step of it." We didn't know. We didn't
9 understand it at all.

10 Q. With regard to your agreement with that site
11 location, there was no agreement?

12 A. Well, with what we had agreed to on the phone, of
13 course, I thought it was going to be between the highway and
14 the cliffs. And I thought that you wouldn't even really be
15 able to see it. Because I thought it would be so surrounded by
16 trees. We envisioned maybe seeing a road going up to it. And
17 even at that, it still led me to believe it was between the
18 road and the cliffs. Because one time Bryce called me and he
19 said, "We may be doing a second one north of the existing
20 location."

21 And I said, "Well, gosh, you're already pretty close
22 to our north boundary."

23 And he asked about a gate there between us the
24 neighbor and I said, "Well, that's not our gate as far as I
25 know." And I remember thinking, well, that's odd. Why would

1 you run the road way down from the corrals? Why wouldn't you
2 just go, you know, get permission to go directly from the
3 highway? It would be a lot closer.

4 So that puzzled me a little bit, but I didn't realize
5 it was in the wrong -- he was talking about a different site.
6 And I said, "Well, how close can they be together? Because
7 you're already close to the north boundary."

8 And then he called back and said, "Never mind. We're
9 not doing the second site now. That's been delayed."

10 And that was the next thing. And then it was back
11 maybe this spring that he said, "Now we do want to do a second
12 site."

13 And since then we've discovered the other one, so --

14 Q. Has your family had the opportunity to look at
15 the proposed site number two?

16 A. Yes. Not everyone. I saw it and then three of
17 my brothers have seen it. So four of us have.

18 Q. And who has not?

19 A. My mother has not. My sister, Karen and my
20 brother, Bob.

21 Q. Okay. Now, before this experience with Approach,
22 what was your view about the oil and gas industry moving into
23 this area?

24 A. Well, I had just never thought about them being
25 in this area. You know, like anybody, we're all feeling the

1 crunch of the prices and things. And, you know, you want
2 America to become more self-sufficient and things. But, you
3 know, you have a different feeling when it's on something you
4 own as opposed to seeing it someplace else.

5 And my big concern is that, you know, they may have a
6 certain right, and we have a certain right, but I want it to be
7 in a way that's workable for all of us. And I'm especially
8 concerned about the water quality. I'm especially concerned
9 about the wildlife. You know, that is part of my mother's
10 income -- and affecting neighbors. You all want to be a good
11 neighbor to other people in the area.

12 So it's just scared me a little bit, just because I
13 think we were naive and didn't understand how it worked. And
14 my thought is to slow down, back up, let's get it straightened
15 out and do it in a proper way and go forward. So I think it
16 scared everybody what happened to us. It scared everybody.

17 Q. Now, what recommendations would you have for OCD
18 with regard to how to guide this future drilling in this area?

19 A. Well --

20 MR. HALL: I guess I object, Mr. Examiner. There is
21 no foundation as to her qualifications to recommend to the OCD
22 anything.

23 MR. BROOKS: Well, I'll overrule the objection.
24 Granted the witness probably doesn't have knowledge of what our
25 jurisdiction and procedures are, but I will allow her to

1 express her opinion. You may continue.

2 A. Like I said, I would like to -- you know, I would
3 like to see a hold on the six and a repeal of the first four so
4 we can go back and review and start again on how this does
5 work. You know, in a good world, I'd rather not even proceed
6 on this site at all, just because of the sentiment of it and
7 have it restored. And since they haven't drilled yet, you
8 know, I'd like to backtrack on that.

9 But, you know, I just think that I've been trying to
10 educate myself, and the family has, and talk to as many friends
11 and neighbors so we are all on the same page and there's no
12 hard feelings, and we can go forward and compromise or change
13 our mind completely or whatever. You know, just do it in a
14 positive way.

15 Q. There's a structure right in the middle of the
16 pad there. Do you know what that is?

17 A. That is a culvert. Are you talking about this
18 right here?

19 Q. Yes.

20 A. That is a culvert maybe three or four feet wide
21 that is sticking up and it's kind of filled with dirt and just
22 sticking out of the ground a couple of feet. And that's
23 what -- the first time I saw the site, I thought that was the
24 well, you know. I thought they had already drilled something,
25 so I didn't know.

1 Q. Do you have any concerns about that?

2 A. The only concern -- I did call Bryce because when
3 I went up there, it was kind of deep and it wasn't covered.
4 The pit has a fence around it, but I was concerned about small
5 animals or someone falling in there. And so I did call them
6 and ask them if they could have that covered. And he told me
7 they would, but it's not covered. I was worried about
8 something falling in.

9 MR. T. TRUJILLO: Mr. Hearing Examiner, I pass the
10 witness.

11 MR. BROOKS: Very good. Mr. Hall?

12 CROSS-EXAMINATION

13 BY MR. HALL:

14 Q. Good morning, Ms. Sultemeier.

15 A. Good morning.

16 Q. Let me ask you something. If you would refer to
17 Exhibit 13 --

18 A. Okay.

19 Q. -- in the hearing exhibit book. First of all, am
20 I correct that Avella Sultemeier is the record title owner of
21 this land?

22 A. Yes.

23 Q. Okay. You and your siblings don't have an
24 interest in this particular tract? That's another tract?

25 A. Well, it's in a trust for entire family, but

1 since my mother is still living, she's handling the trust.
2 She's set up in the trust for the family.

3 Q. She is trustee?

4 A. Yes, I believe so.

5 Q. And she's the one authorized to deal --

6 A. Yes. But she has granted me as an agent to act
7 on her behalf.

8 Q. Do you have written Power of Attorney?

9 A. I do have Power of Attorney.

10 Q. Then is it recorded in the County?

11 A. It is.

12 Q. Exhibit 13, the September 5, 2007, letter, that
13 came through you?

14 A. No. It came to my mother. And then she asked me
15 about it, and I got a copy of it and looked at it.

16 Q. And you were aware of its existence around
17 September 5th --

18 A. Yes.

19 Q. -- is that fair to say?

20 A. Yes.

21 Q. And if you look in the first sentence of the
22 second paragraph, it says Approach will begin building its
23 location within the next few weeks. Do you see that?

24 A. Uh-huh.

25 Q. Earlier you testified you weren't aware that they

1 were coming in to build the location. Which is correct?

2 A. Well, when I talked to Bryce, the way he
3 explained it to me is that would come farther down the road. I
4 thought there would be a sequence of events. I thought that --
5 you know, I knew that if they found something after the
6 exploratory, then they would start building a pad site and
7 things like that. So it was just naive on my part that I
8 didn't realize that would happen right at the beginning.

9 Q. Right. And you were also aware that the location
10 had been staked, correct?

11 A. No. I had never been -- we had never talked
12 about staking or were offered to see it or anything.

13 Q. Let's look down mid-paragraph there, the second
14 paragraph. It refers to "our staked location." You see that?

15 A. Uh-huh.

16 Q. So isn't it fair to say that you knew the
17 location had been staked?

18 A. Well, but I didn't know it was in that location.
19 I thought it was in a different location, and I wasn't worried
20 about, you know -- it was staked. Because I thought it was a
21 different place.

22 Q. Anything preventing you from going up and looking
23 at the location where it was staked?

24 A. Well, I just didn't -- I felt comfortable with
25 what we said on the phone, you know, when we described where it

1 would be. I felt comfortable with that. I live an hour and a
2 half away, and I work and, you know, he never said -- I mean,
3 now I think back and I think, gosh, you guys have been in the
4 business for all these years. It seems like just to prevent
5 any misunderstanding, that would even be a requirement of the
6 homeowner to go up and sign off on something to say this is the
7 location. Then there's no question.

8 And if I had any concerns -- like if the description
9 we talked on the phone was different or, you know, it's a mile
10 off the road or whatever, then I would have --

11 MR. HALL: Let me object, Mr. Examiner. The answer
12 is not responsive.

13 Q. (By Mr. Hall): Let me repeat the question again.

14 A. Okay.

15 Q. Was there anything preventing you from going up
16 and inspecting the staked location?

17 MR. T. TRUJILLO: It's been asked and answered.

18 MR. BROOKS: It's been asked, but I'm not sure it's
19 been answered.

20 A. Well, I'd say, yes, in terms of time, depending
21 on, you know, getting up there. I work full-time and take care
22 of my mother and I -- you know, it was probably a time issue.
23 But I didn't feel it was necessary. I would have made the time
24 to go up and look at it if I felt it was in a different
25 location than what I thought.

1 Q. (By Mr. Hall): In the course of your discussions
2 with Approach, was it your understanding that Approach would
3 reclaim and reseed the drill locations?

4 A. We didn't talk about that at first. After
5 everything happened and before the second one, then I know
6 there is -- in the contract there are some things about where
7 reclaiming it. But at the time of the first one, I didn't
8 think about that. I thought this was the way it was.

9 Q. Okay. The road to the location for the
10 Sultemeier No. 1, that road previously existed; is that
11 correct?

12 A. It's a two-track ranch road, yes. Yes, it did.

13 Q. All right. You indicated that in the course of
14 your negotiations for a contract with Approach, you had
15 consulted with others. Tell us who you consulted with?

16 A. Well, I called a friend of my father's.

17 Q. Who's that?

18 A. Richard Cook. And I talked to him because he's
19 had experience with different things and just to ask kind of
20 how it worked or, you know, fees and things like that.

21 Q. What did Richard Cook tell you?

22 A. He said that he hadn't had a lot of dealings in
23 the oil business. And I just said what does this mean? Is
24 this a test well? They're just going in and doing a little
25 test well? They have offered us this much money -- and, you

1 know, part of the way I worded it to Bryce was I said, "I don't
2 know how this works. I don't know if you're telling me a good
3 a price, a bad price, or whatever. How does that work? Is
4 that customary for a test site?"

5 And he said, "Yes, that's a customary fee."

6 And Mr. Cook said he wasn't familiar, you know. He
7 didn't know if that was or wasn't. He said the one thing he
8 would -- he said, "Well, you know what I would do is," he said,
9 "I would ask them about the ownership of the well."

10 Like if they don't hit oil and it's a water -- it
11 could be a water well. If when they're done, could you either
12 get it registered in your name for the ranch for the future or
13 would they, you know, give you that right to that well after
14 they've completed it. And I did ask Bryce about that and he
15 said, "Well, if we got a permit in our name, but that is
16 something we would look at after it's all done, transferring
17 that into your name."

18 Q. Who else have you talked to?

19 A. I've talked to Don Schreiber.

20 Q. What did Mr. Schreiber tell you?

21 A. Well, he was just very helpful because he's gone
22 through it a little bit. And he just said, you know, we both
23 have rights, and we need to work together to -- you know, that
24 sometimes, you know, sometimes people are scared because they
25 feel like, you know, it's a big company. They can just tell

1 you this is what we're doing without any input and that you
2 need to be, you know, strong to say that you have rights and
3 that you need to work around -- if we have requirements about
4 when they can be in there or not, how to get access to the
5 property.

6 You know, he wanted to look at the site to see what
7 they had done. And then, you know, like I said, I didn't have
8 any clue about, you know -- like I said, we're not all about
9 money. But, you know, for compensation, we thought that was
10 it. It was this much and then a little bit different after it
11 had happened.

12 He was explaining that well, there's other things
13 that you can, you know, for the road, for feet per -- you know,
14 feet per pipeline. He just kind of explained the process to
15 me. And then it was very helpful, he notified me of a meeting
16 in Santa Fe awhile back where they had different experts about,
17 you know -- an environmentalist, a former attorney for the oil
18 industry and a professor from Colorado that spoke.

19 And my brother and I went to that just so we could
20 start learning. And that was very helpful because it showed
21 the process and what does happen and the sequence of events.
22 And if I would have seen all that before or know, it would have
23 been a lot easier for us.

24 Q. Why did you call Mr. Schreiber?

25 A. I did not initially call him. He called me just

1 because he had seen -- he had been researching it and working
2 with the County and he saw that our name was on the permit.
3 And I've had another -- I had another gentleman, a Dave
4 Holloway call me up there. I guess -- I don't know if he's an
5 owner or a foreman for a ranch -- and calling.

6 And when -- after -- well, after the first thing
7 happened, a different gentleman from Approach called me a
8 couple of times, T.K. Bright, I believe. And, you know, he had
9 said that they were coming into town and offered to meet with
10 us. And I didn't feel knowledgeable or comfortable enough to
11 meet by myself with them. And I called several of the brothers
12 to see if they could meet and they couldn't.

13 So I asked if we could meet with several landowners.
14 I said why don't we meet with a bunch of us and save you time
15 and us time, and we'll all kind of go over some of the basics
16 together so we're all on the same page. But he said they would
17 prefer not to meet -- you know, they would rather meet
18 one-on-one.

19 So I did not go and meet after Memorial Day because I
20 couldn't go because of scheduling. I think that's when Mr.
21 Holloway called me and said he was going to meet with them and
22 I didn't know who else -- I asked who -- he said he wasn't sure
23 who was meeting. So that was that.

24 Q. Okay. You're a licensed New Mexico real estate
25 broker?

1 A. Yes.

2 Q. You're a bit familiar with the way of executing
3 deeds and recording deeds at the courthouse?

4 A. Yes.

5 Q. When you conferred with Mr. Schreiber, was he
6 aware that Approach was attempting to negotiate a contract with
7 you?

8 A. No, not really. That wasn't even really what our
9 big thing of talking about was. It was more about, you know,
10 how it was done as far as, you know, what was there and the
11 landscape and things and the drainage and the water issues,
12 things like that.

13 Q. You said you had discussed with him compensation
14 for rights-of-ways, damages, that sort of thing?

15 A. Not amounts, particularly. Just that -- I didn't
16 really get into what we had been paid with him. It was more of
17 just, you know, you need to be aware that, you know, they need
18 to compensate you for certain things, or whatever. And I
19 didn't know about any of that. So, you know, I was glad for
20 the discussion just so I would know if we were being treated
21 fairly or not.

22 One of my first thoughts was, you know, there are
23 certain things that are set prices for certain things and other
24 things are negotiable. And it's between each person what they
25 negotiate, of course. But, you know, part of what I was

1 concerned about, too, was the land value and -- you know, we
2 have had offers to buy our property off an on. We haven't
3 wanted to.

4 But my concern was, gosh, you know, is this going to
5 affect land values and, you know, effect just everything in
6 general. Like I said, with the wildlife, the hunting, and that
7 type of thing. So he was just kind of, you know, explaining
8 that, you know, that it was up to us to negotiate and that we
9 should be compensated fairly.

10 Q. You mentioned Mr. Holloway. Was there anybody
11 else you talked to?

12 A. I don't believe so, no.

13 Q. Did you talk to anyone at the County?

14 A. No. Just in the last few days, I've talked to
15 both Mr. Trujillos.

16 Q. What did they say?

17 MR. T. TRUJILLO: I would object.

18 MR. HALL: This is not his client.

19 MR. BROOKS: Well, that's an awfully open-ended
20 question. If you would limit it to what -- to something
21 relevant than just what did he say.

22 Q. (By Mr. Hall): Did you talk to the Mr. Trujillos
23 about this case?

24 A. Yes.

25 Q. What was said?

1 MR. T. TRUJILLO: Again, I think you're going to have
2 get a focus and we also need to have some relevance on it. I
3 think you can make some inquiries, but I think they need to be
4 a little bit more focused. It's still the same question.

5 MR. BROOKS: I'll overrule the objection. But you
6 need -- the answer should be confined to what was said about
7 the case.

8 Q. (By Mr. Hall): Did you discuss with the
9 Mr. Trujillos the proposed contracts that Approach had given
10 you?

11 A. We didn't discuss it in detail, as far as the
12 details of the contract. I just was giving him background on
13 the sequence of events of what led up to each well, Well No. 1
14 and Well No. 2. He asked me to verify the pictures. We did
15 basically what we've done this morning, just went over the
16 pictures. Is this your ranch? What is that in the picture?
17 We went through the same questions he's asked me today is what
18 we did.

19 Q. You didn't seek their counsel on the adequacy of
20 the prospective contract?

21 A. No, not at all.

22 Q. Let's refer to Exhibit 29. That's the aerial
23 photograph of the location. You've been on the ground at this
24 location. I have not. But is the location -- is the pad
25 bermed on one or more sides?

1 A. Yes. Actually, it's bermed all the way around
2 except where the road comes in. Well, I take that back. Let
3 me show you. It isn't bermed all the way around. Of course,
4 you come in the road. That's open. This drops off so the pad
5 is higher on this side over here. This is bermed up and up a
6 little bit and it actually looks like there's a little ridge
7 they cut in. This is bermed up, and I guess a little bit on
8 this side. So this side is not.

9 Q. A little bit of erosion and runoff I think you
10 discussed earlier --

11 A. Yes.

12 Q. -- is it your impression that all of that is
13 contained on site?

14 A. No. It's actually eroding off the site,
15 especially right here. There's a big -- the biggest probably
16 erosion is right here running over into the road. And there's
17 a little erosion -- it's hard on the paragraph to tell, but --
18 back over on this side. And I can't say for sure, but it looks
19 like -- it seems like there's been more done than the first
20 time I saw it and a later time I saw it. There has been some
21 more dirt moved around and like this little ridge was cut a
22 little bit more. And it may have been because someone looked
23 at it and saw, you know -- tried to do a little more to maybe
24 prevent it from eroding. But it has eroded since then. And
25 then especially over here we were concerned about.

1 Q. That well casing you said you discovered that you
2 hadn't know about before --

3 A. Right.

4 Q. Let me ask you. How long has the property been
5 in your family?

6 A. You know, I don't know the exact -- I want to say
7 about 12 years.

8 Q. That well was not used by your family?

9 A. No, no. No. We only knew of two other wells.
10 There was one farther across from the Spills, an old well we
11 knew about. And then, like I said, over in the trees over here
12 there was a, you know, a really old hand crank well thing that
13 was kind of cute. That has disappeared. You know, I don't
14 know when that disappeared. Someone took it for antiques, I
15 guess.

16 Q. With your familiarity in the real estate
17 business, are you claiming ownership to that well?

18 A. Well, it's on our property. I think it's not
19 registered because it was probably dug or built before they
20 registered it. So we have not researched it to see. The
21 Highway Department tried to research the one across from Spills
22 when they were building the new highway, and I don't think they
23 found a registered -- and then the other one we didn't know
24 about. And Approach did say they tried to research it and
25 couldn't find anything.

1 Q. Don't you agree it would be a safe course of
2 action if that well were just plugged?

3 A. Well, I don't know. It just depends on what
4 happens in the future, you know, what the plans are. I think
5 it should be capped right now for safety purposes. But we
6 don't have any plans to use it or anything, you know.

7 Q. Has Approach offered to do that?

8 A. We did just recently get a letter that they said
9 that they researched it with the state and that they were going
10 to test. It appeared there was water. They were going to test
11 it for water and they would cap it. We did get a letter for
12 that.

13 Q. It's agreeable to you, then?

14 A. Yes. At this point, yes.

15 MR. HALL: I've nothing further of the witness,
16 Mr. Examiner.

17 MR. BROOKS: Okay. Any redirect?

18 MR. T. TRUJILLO: No redirect.

19 MR. BROOKS: Okay. You may step down. I think what
20 I will do at this point is there were two gentlemen who had
21 indicated that they wished to speak. We will allow them to do
22 so and then we will recess for lunch.

23 Could you please state your name and spell it for the
24 court reporter.

25 MR. MICOU: My name is Johnny Micou. My last name is

1 spelled M-i-c-o-u.

2 MR. BROOKS: Okay. You may proceed with your
3 statement. We will understand that since this is a statement
4 and you're not under oath, that the attorneys will not be given
5 the opportunity to cross-examine you unless you agree to submit
6 to cross-examination. So you may continue.

7 PUBLIC COMMENTS

8 MR. MICOU: Thank you. Thank you for the opportunity
9 to speak. I'm here representing Drilling Santa Fe, which was
10 formed in response to Tecton Energy, LLC targeting the
11 Galisteo Basin for oil and gas activity. Also, I'm here as
12 Common Ground United, a coalition which was formed in response
13 to frontier companies targeting fragile ecosystems and pristine
14 areas of New Mexico. We also were formed to encourage best
15 practices in developed areas and support stricter regulations.
16 We are here in support of Rio Arriba County.

17 We suggest that other activities with an area
18 targeted for oil and gas activities should be measured against
19 traditional activities such as agriculture. The traditions and
20 heritage of an area must be respected. The communities should
21 have a determining voice. Oil and gas activities do not only
22 change the landscape, but the cultural fabric as well.

23 OCD has too few inspectors and too small of a budget
24 to fully protect counties from the adverse impacts of oil and
25 gas activities. Consequently, counties must expand on the

1 regulatory authority of OCD and define critical areas
2 inappropriate for oil and gas activities and adopt ordinances
3 to protect those fragile areas absolutely.

4 Again, thank you for letting me make comments.

5 MR. BROOKS: Thank you. Was there someone else who
6 wished to make comments? Yes, sir? Would you please state
7 your name and spell your name for the benefit of the reporter.

8 MR. BACON: My name is David Bacon, B-a-c-o-n. I'm
9 here representing my own outfit called Southwest Energy
10 Institute. I've studied the effects of oil depletion on the
11 world economy for the last 12 years. We right now have an oil
12 imbalance -- supply and demand imbalance -- of about four
13 million barrels a day that we can't make up. The world's
14 demand is 85 million barrels. We fall short in production
15 about 3.7 million barrels a day.

16 This is a situation created by the oil industry. The
17 oil industry, and it's apparent in these hearings, only exists
18 to extract oil from the ground and burn it and make a lot of
19 money in that process. It doesn't exist to protect
20 communities. It doesn't exist to protect natural systems, ways
21 of life, culture. It doesn't exist to protect language. It
22 doesn't exist to protect truth. It doesn't exist to protect
23 anything that we value in the world. It only exists to extract
24 oil and burn it and make a lot of money in the process.

25 The original people who founded this country came up

1 against a corporate imbalance, a corporate power and balance
2 called the East India Company. Their impulse wasn't to form an
3 East India Company regulation division. Their impulse was to
4 get rid of the problem. Throw the tea in the harbor. It was
5 interfering with their way of life, with their ability to carry
6 on like they wanted to. Out of that reaction against what they
7 called tyranny, actually -- they used the word tyranny -- came
8 the Constitution -- came first the Declaration of
9 Independence -- and then the Constitution of the United States.

10 And it was a radical document in that it put all
11 power in the hands of the people, and all government derived
12 solely for the people's benefit. And at the time, there was no
13 such thing as corporate law. Certainly, the East India Company
14 would have preferred to cross-examine the colonists and say you
15 know what you're doing is breaking the law. You're illegal.
16 You're going against a vast empire that has the right of
17 monarchical power. You don't know what you're doing. You
18 don't understand. You're going to end up destroying the very
19 thing that makes you strong.

20 And they ignored that impulse at the time and they
21 went ahead, and they took on the largest monarchical power in
22 the world, and they won. Out of that we have a constitution
23 which comes and goes. It's never set. There's never anything
24 settled in law. The best nature of this country always comes
25 to the fore when people wrest power from the overturning of the

1 subversion of the Constitution.

2 As in the history of abolitionists, who had no subtle
3 law to stand on. Abolitionists took on slavery, which was
4 fully in law at the time. Slavery was legal. You couldn't
5 argue against it. It was legal. Suffragettes took on the
6 constitutional law that said women can't vote. They took it on
7 with no law on their side -- zero law.

8 Now, we see that communities have got to take on the
9 power of oil and gas in New Mexico, not only to protect
10 property rights, but to protect the rights of nature, to
11 protect acequias and headwaters, to protect wildlife, to
12 protect small ranching and farming, I think, and farming. And
13 this isn't subtle law. This isn't law that comes easily. This
14 is law that Rio Arriba is trying to deal with right now with
15 very few resources and no history of power or subtle law on
16 their side. It's the same history -- or the same situation
17 we're dealing with in Santa Fe County with a few more
18 resources, Mora County is dealing with it now.

19 I hope that within these hearings -- and I appreciate
20 Oil Conservation Division's opening this up. Back to the story
21 of peak oil. We now know that we have to begin to depend on
22 our local resources again. We can't depend on cheap, abundant
23 oil which brings cheap, abundant food, and cheap, abundant
24 goods from around the globe. We have to go back to local. We
25 have to go back to local food. We have to go back to local

1 building sources, and we have to go back to local communities.
2 That's where our whole survival will come from.

3 Within that, we have to look at local energy. We
4 have to look at sources of energy that are sustainable and that
5 are owned by the community, that aren't corporately owned. So
6 these are the opening forays in a much larger battle. And it's
7 simply a battle to reclaim our constitutional rights as
8 citizens and to decide our own future.

9 Thank you very much.

10 MR. BROOKS: Thank you, Mr. Bacon. Was there someone
11 else who wished to -- please be advised that applause is not
12 allowed in the proceeding. Is there someone else who wished to
13 speak? You may proceed. And once again, state your name for
14 the record and spell it for the court reporter.

15 MS. FOSTER: Thank you. My name is Karin Foster,
16 that's K-a-r-i-n. The last name is F-o-s-t-e-r. I'm the
17 attorney and Director of Government Affairs for the Independent
18 Petroleum Association of New Mexico. I'm here today
19 representing 280 small producers in the state.

20 Frankly, Mr. Hearing Examiner Brooks, this hearing is
21 very interesting to me because a lot of it is a repeat of the
22 discussions that we had at the legislature in 2007 when the
23 Surface Owners Protections Act was passed by the legislature.
24 At that time, I believe Mr. Fesmire, who is the Division
25 Director, was present at the legislative committee meetings.

1 And I believe that there was discussion as to what was OCD's
2 rule when it came to the relationships between surface owners
3 and mineral interest owners.

4 At that time, it was decided by both the Legislature
5 as well as statements made by Mr. Fesmire that the OCD did not
6 want to be involved in this process because they understood
7 that this is a private contract between a surface owner and a
8 mineral interest owner. What you have here in this instance is
9 Approach Resources who wants to exercise their rights as a
10 mineral lessee or mineral owner -- in this instance. And you
11 have -- I've heard the testimony this morning of two surface
12 owners who believe that the communication between Approach and
13 themselves might not have been adequate. And in the instance
14 of Ms. Sulzemeier, that she did have oral conversations with
15 Approach Resources, but she did not take it upon herself to
16 actually go out to the location and verify where the drill pad
17 or the well, the drilling was going to occur.

18 This really seems to be squarely on the issue of the
19 Surface Owners Protection Act. I do not believe, respectfully,
20 that this is within the jurisdiction of OCD at this time. As
21 you have heard me say on repeated occasions in other
22 proceedings, as well as briefs that I have written for the OCD,
23 the responsibility of the OCD is protection of correlative
24 rights as well as the prevention of waste.

25 While the OCD does have jurisdiction to protection of

1 the environment, that is not as much as a primary
2 responsibility under statute as protection of correlative right
3 and prevention of waste. And while I respect that there are
4 surface owners that believe that they do not have a right to
5 speak, the fact of the matter is, the Surface Owners Protection
6 Act under the State of New Mexico does not pull the OCD into
7 the jurisdiction authority of the Surface Owners Protection
8 Act.

9 And they did have the opportunity -- at least
10 according the testimony -- to communicate with Approach
11 Resources. And again, I respectfully would contend that this
12 is not within the OCD's jurisdiction at this time.

13 Thank you.

14 MR. BROOKS: Thank you, Ms. Foster. Is there anyone
15 else who wishes to speak?

16 UNIDENTIFIED PUBLIC MEMBER: I got one question.
17 Will you all offer public testimony towards the end of the
18 hearing today?

19 MR. BROOKS: We can if there are people available who
20 wish to speak.

21 UNIDENTIFIED PUBLIC MEMBER: What about Monday?

22 MR. BROOKS: The length of time that might be allowed
23 would depend on the number of people.

24 UNIDENTIFIED PUBLIC MEMBER: Well, I would like to
25 have a public comment opportunity for Monday afternoon after

1 the hearing or before it ends.

2 MR. BROOKS: Yourself again or other people?

3 UNIDENTIFIED PUBLIC MEMBER: There will be me, and
4 other people will be attending. And after this hearing, they
5 can make more appropriate comments.

6 MR. BROOKS: Okay. That would be appropriate. We
7 will extend you that courtesy. The length of time that will be
8 allowed to each person will necessarily depend on the number of
9 people that wish to speak.

10 UNIDENTIFIED PUBLIC MEMBER: How about three to five
11 minutes each?

12 MR. BROOKS: Well, I can't guarantee that because if
13 there are 90 people showing up to speak, that would be very
14 awkward.

15 UNIDENTIFIED PUBLIC MEMBER: Limit it to five or ten.
16 How about that?

17 MR. BROOKS: I will stick to what I said. When we
18 know how many people are going to speak, then we will determine
19 how much time we can allot to each one.

20 MR. HALL: Mr. Books, may I ask for clarification
21 on --

22 MR. BROOKS: Yes, sir.

23 MR. HALL: We received no motions to intervene in
24 this case. And I understand parties will not be allowed to
25 present evidence, but simply make statements, if I understand

1 it correctly.

2 MR. BROOKS: That is correct. Anybody else want to
3 be heard at this time?

4 Very good. We will take a luncheon recess until
5 1:20.

6 [Recess taken from 12:05 p.m. to 13:36 p.m., and
7 testimony continued as follows:]

8 MR. BROOKS: The hearing will return to order,
9 please. We'll be back on the record in Case No. 14134 and
10 14141.

11 Silence, please.

12 We're on the record in Case No. 14134 and 14141. And
13 I believe, Mr. Trujillo, that it was time for you to call
14 another witness.

15 MR. T. TRUJILLO: Yes. The County calls Leo Valdez.

16 MR. BROOKS: You've already been sworn, Mr. Valdez.

17 THE WITNESS: Yes.

18 MR. BROOKS: You may proceed.

19 LEO VICTOR VALDEZ

20 after having been first duly sworn under oath,

21 was questioned and testified as follows:

22 DIRECT EXAMINATION

23 BY MR. T. TRUJILLO:

24 Q. Mr. Valdez, would you state your name again for
25 the record.

1 A. Leo Victor Valdez.

2 Q. Very well. And what is your educational
3 background, Mr. Valdez?

4 A. I'm an Aggie. I graduated from New Mexico State
5 with a degree in Ag-Econ and a Master's in Public Finance from
6 American University, Washington DC.

7 Q. What about your occupation?

8 A. I work for an investment banking firm based out
9 of Chicago. I'm an owner, and I manage the offices in Arizona,
10 Santa Fe, and California. It's called Hutchinson, Shockey,
11 Erley and its business is public finance.

12 Q. All right. Very well. Now, with regard to the
13 proposed well site on your property, can you give us some
14 background on your familiarity with that particular property?

15 A. Well, way back a long ways, that property did
16 belong to some of my ancestors. It eventually was sold, and
17 over the years I bought two parcels back. One was 600-some
18 acres and the other was 200. So it's like 793 acres that I
19 own. I bought that over a course of 10 to 15 years.

20 We use the property mostly for cattle and hunting.
21 When I took over the property, it had a lot of issues with
22 erosion and overgrazing. So together under the Soil
23 Conservation Program, I went in there and reseeded, disked,
24 created a lot of ponds. There's a lot of erosion, so in
25 addition to the ponds, there's smaller ponds along the gullies

1 to prevent erosion. There's a lot of what I call missing
2 topsoil. And so that's been my background with the property.

3 Q. And now, besides that particular property, in
4 general, do you know the surrounding properties?

5 A. Yes. I grew up there. My family is from there,
6 both on my mom and my dad's side. I spent several summers up
7 there working on the ranch. I actually worked on Highway 64.
8 I was a grade setter when they built that highway. I've hunted
9 and fished all of those properties. We hunted there on the
10 property when it was owned by the Spills. And it was
11 interesting. I saw that picture of that aspen site, and I
12 visited various times and it was a beautiful place God created.

13 Q. Let me ask you, you talked about the drainage
14 issues. How would you describe the grade, say from the Tierra
15 Amarilla -- TA Hill -- going in a westerly direction?

16 A. Well, if you're going north to TA, you're going
17 up 84 past the Sultemeier's property. Their boundary is my
18 south boundary. As you go up, you're right against the cliffs.
19 In winter and summer, there's a lot of rainfall that comes
20 down. It all flows to the west to the TA Creek, and that's why
21 we have a lot of problems with gullies there and a lot of
22 erosion. Some of those gullies are even 15 feet deep. So a
23 lot of the money I spent was to correct that and try and
24 prevent further erosion. That's a big issue.

25 The property is actually a big migration route for

1 big game, both deer and elk. As the winter storms start, they
2 start migrating down through there. They migrate through the
3 Spills', Sultemeier's, and my property. My aunt actually owns
4 property to the north of the Sultemeier's site that they showed
5 up there on the top of that ridge.

6 So you have a lot of drainage that just comes off
7 that cliff. And I do have concerns with the site as it deals
8 with erosion, the polluting of numerous ponds that I have built
9 over the course of time. The ponds were built there for --
10 basically to stop seepage -- not seepage -- but silt, to create
11 a place for wildlife, really. That was my whole intent. The
12 State of New Mexico, if not everybody knows, it grants elk
13 permits to the property owners. And they make a lot more money
14 than you would raising cattle. So that is my major source of
15 income for the property.

16 So I graze some cattle in there, but very limited
17 because I like to leave the vegetation. And water is an
18 important issue for game because when you have cattle in there,
19 they drink huge amounts of water.

20 Q. How important is the elk hunting industry for
21 your property to you?

22 A. To me, it's major. I'm not afraid to say that I
23 make \$14,000 a year off of that. It actually creates a lot of
24 value because -- I have the property on the market, by the way.

25 Q. How long have you had it on the market?

1 A. I would say about a year.

2 Q. Okay.

3 A. And the reason I put it on the market is because
4 a lot of the property in here has been selling for some very
5 high prices. So it obviously created an interest on my behalf.
6 It's kind of hard to depart with because it's in the family,
7 but on the other hand, it's sort of my life savings. I'm
8 getting up in that time of my life I want to go fishing rather
9 than do what I do for a living.

10 Q. And on your property, is there any irrigated
11 acreage?

12 A. No. It's all dry land. It's been plowed,
13 reseeded with different types of grass, mostly winter wheat.

14 Q. Okay. Now, you've had contact with personnel
15 from Approach, have you not?

16 A. Yes. On a couple of occasions. I think the
17 first time -- and I can't recall the sequence of events. -- I
18 did call, I think it was Mr. Bright, and/or he called me, one
19 of the two. We started talking about it and I think I was
20 advised that Metes and Bounds wanted to go in there and survey.

21 And I said fine. And then I understood that they --
22 well, they advised me that they had the mineral rights. That
23 was my first conversation, and probably one of the few ones. I
24 think I had another conversation where I was discussing with
25 him the possibility of being sensitive to our hunting because

1 that's where we make our money. And that from September the
2 1st when they start the bow hunt to December the 1st, that's
3 our season.

4 In fact, we have an understanding with our outfitter
5 that we personally, the owners, don't go on to that property
6 during that period of time. I get five days out of the whole
7 period to go in there and conduct my own hunting for myself and
8 my family. But other than that, we restrict ourselves from
9 going in there.

10 So I asked him if -- the hunting starts usually early
11 in the morning and it's usually done by 9:00 in the morning.
12 And then they start hunting like 2:00 or 3:00 in the afternoon
13 until dark. So I was asking them to not go onto the property
14 during those periods of time when the hunters were there.
15 Because if you know where the property is, you're sitting on
16 top of the ridge looking right down into my property. And what
17 the outfitters do is -- there's another huge hill. They get up
18 on top early in the morning and they're looking for the animals
19 and once they spot them, then they stalk them.

20 So the well site that is proposed, is right in the
21 middle of that. It's part of the hunting area also.

22 Q. Now, did you have a concern with them with the
23 proposed well site?

24 A. Yes. I met with the gentleman from Approach on
25 May the 27th, I believe. We met at my gate to the ranch. We

1 went up to the top of the mountain and then I described the
2 boundaries to the ranch. And from my ranch to the west is my
3 aunt's. And she -- we actually conduct the hunting or sale of
4 the hunting rights jointly.

5 So I explained where it is, and I found the stake
6 myself by driving around. I didn't know exactly where it was
7 until I did receive a map and it showed it. I went and found
8 it. And I basically advised him that I did not like the site.
9 I used the word that it was -- what was the word I used? I
10 can't remember what word I used -- but I said, you know, it's
11 sinful, is the word I said, if you're going to put it there.

12 So we had further discussions. We drove down to the
13 ranch and I showed him some other alternative sites. They were
14 in little valleys where you could hide the pad and everything
15 from the view on top. If you get up on top of there, you can
16 look all the way to Heron, almost to Colorado from up there.

17 So I think the value of my property was going to
18 diminish by that site being right there in the middle of this
19 big, beautiful field. So we walked -- I think we walked to
20 three different sites. And they said, well, you know, we'll
21 look at it. There's some issues because there's a rock
22 formation -- and I understand -- where the oil may or may not
23 be. I'm not a geologist or anything, but common sense would
24 tell me that probably closer to the rocks, that's probably
25 where the oil may or may not be.

1 Q. Now, you were talking about across the road from
2 you. Are you also acquainted with the property immediately
3 across?

4 A. Yes. That property actually was shown to me as a
5 possible purchase when I purchased the land originally.
6 There's not a lot of room between the highway and the cliff, so
7 it really had to me no real value as far as building on it,
8 grazing on it. It was really not a place to conduct what I
9 wanted to do. But I have issues with that site because that's
10 where the water really starts and that's where you have the
11 cause of the erosion and that's where we capture a lot of the
12 water that comes off that cliff in that whole area.

13 Q. Now, let me clarify something here. When you
14 were talking about the well site location on your property --

15 A. Uh-huh.

16 Q. -- did you participate whatsoever in the
17 selection of that well site?

18 A. No.

19 Q. Let me ask you to take a look at some exhibits.
20 And if we can start with this demonstrative exhibit that we
21 have here, Mr. Valdez -- and it's a little -- if you can go to
22 it, what I'd like you to do is look at that area there and see
23 if you can find your well site.

24 A. Right there.

25 Q. Okay. And so it shows it being on what side of

1 US 84?

2 A. On the west side.

3 Q. Very good. Is it fairly close to the highway,
4 then?

5 A. Yes, it is. I don't think it's more than 100
6 feet. The only thing between me and the highway is a power
7 line easement.

8 Q. Now, if you would look immediately across the way
9 there, there's another one.

10 A. Another what?

11 Q. Another proposed site.

12 A. Yes.

13 Q. And how is it listed?

14 A. Cloyd Hinkle.

15 Q. Cloyd Hinkle. And is that the property you were
16 describing earlier as being across from you?

17 A. Yes. That's the property I had an opportunity to
18 purchase some years ago.

19 Q. And you know the terrain fairly well?

20 A. Very well.

21 Q. Now, do you know where -- do you have a sense of
22 where that location is?

23 A. Yes. I don't know what the -- what's it called?
24 What inches the --

25 Q. The scale?

1 A. Yeah, the scale. What is the scale?

2 Q. I don't know if there is a scale on that, but,
3 you know --

4 A. Well, it's fairly close because I know where this
5 other well site is.

6 Q. What issues do you think this second well site on
7 the other side of the road would create for you?

8 A. Well, contamination of my ponds, really. There's
9 erosion caused by either the facility itself -- and you're
10 going to scar the land. You're not going to stop the erosion.
11 Water is going to run once you break up the ground. There's
12 nothing to hold it. There's no plant life. It's just a flat
13 piece of dirt.

14 Q. Right. Now, with regard to the one on your side,
15 you had suggested some alternative locations. And I realize
16 that there's not a scale here, but how far away from the
17 proposed drilling site were you proposing?

18 A. Well, one was right here, right to the south.

19 Q. Why don't you put an X where you think it is.
20 And we'll use a pen because I don't think the highlighter is
21 doing too well, if you don't mind. And we know it's an
22 approximation.

23 A. One is here. One is here. One is here.

24 Q. Okay. Why don't you circle all three of them.
25 And then maybe you could initial somewhere in there,

1 Mr. Valdez?

2 A. Okay.

3 Q. So have you heard back definitively from Approach
4 as to the viability or feasibility of those alternative sites?

5 A. No. I think I was advised at a meeting that if
6 they were to change the site, they'd have to change the
7 application. No, I have not heard. The last comment that was,
8 you know, as we were leaving the property was that -- you know,
9 we talked about -- I asked how they arrived at the compensation
10 and basically I was told it was based on other transactions
11 they've had. And as they left, they said, do you have a price
12 in mind? And I really don't have a price in mind because if
13 the site where it is, that's a different price. If they were
14 to accommodate me, that's probably a different price.

15 I mean, because if I were to lose my -- a lot of
16 money or even some money to me is not worth losing, for
17 example, my hunting rights or scarring the face and decreasing
18 the value of my property. I don't believe I can sell the
19 property if that particular site were built there for what I
20 have it listed for.

21 Q. Okay. Let me ask you, Mr. Valdez -- let's look
22 at some exhibits. We looked at the demonstrative one. I want
23 to you to turn in that binder and there's a tab. It's Tab 11.

24 A. Yes.

25 Q. And I'm not sure if you've actually seen this

1 before. If you could identify it for the record.

2 A. I've identified it, but I don't believe I've seen
3 this before.

4 Q. If you look at the second line, they're all
5 blocked starting underneath the title Application for Permit to
6 Drill. And in those blocks in there can you find your name in
7 there?

8 A. Yes. But it looks like they spelled it wrong.
9 It's just a typo. It's L-l-o instead of L-e-o.

10 Q. All right. Now, look at this information with
11 regard to the proposed depth. You see three circles there, a
12 circle with an A, a circle with a B, and a circle with a C?

13 A. Yes. I see A. I can't read it. It says
14 something scientific. B says proposed depth 6,000, and C -- I
15 need stronger glasses. Something about block to fresh water
16 and gas, slash, air block.

17 Q. Okay. Now, with regard to the A, what is checked
18 in A?

19 A. It looks like it says -- I don't know. What is
20 the word, scientific?

21 Q. Okay. It's hard to read. Can you read any of
22 the other areas?

23 A. I can't read that. But I can where that one on
24 top is signed, it says proposed depth, 6,000.

25 Q. Okay. All right. Now, what about the indication

1 at the very bottom of that where it says 40-acre spacing?

2 A. I see that.

3 Q. Have you had any discussions with Approach
4 personnel about these, you know, features of the application?

5 A. Only that I did say I did receive the application
6 with the proposed layout of the facility. I did have that. We
7 didn't go into specifics with regard to details of that
8 particular layout.

9 Q. Now, let me ask you to turn to Exhibit 18.

10 A. Yes.

11 Q. Before -- let's back up. On Exhibit 11 --

12 MR. T. TRUJILLO: I'd like to offer that into
13 evidence at this point in time.

14 MR. BROOKS: Which one?

15 MR. T. TRUJILLO: Exhibit 11, before I ask this next
16 question.

17 MR. BROOKS: Any objections?

18 MR. HALL: No objection.

19 MR. BROOKS: 11 is admitted.

20 [Applicant's Exhibit 11 is admitted into evidence.]

21 Q. (By Mr. T. Trujillo): And looking at 18, if you
22 could identify that for us, Mr. Valdez?

23 A. Yes.

24 Q. What is it?

25 A. It's a letter I received from Approach with the

1 proposed compensation agreement. And it just had the aerial
2 photo, and it does show the proposed site area.

3 Q. Okay. Now, let's look at that aerial photo. I
4 think in your packet it's Exhibit A. I believe it should be
5 the very last page.

6 A. Yes, it is.

7 Q. All right. Now, can you identify, does that look
8 about where you saw the stake --

9 A. Yes, it is.

10 Q. -- where it reads Approach Leo Valdez?

11 A. Yes. That's where it has the little circle,
12 that's approximately where the stake is.

13 Q. Okay. All right. TA Hill from that point is in
14 what direction?

15 A. That would be north.

16 Q. And in this thing you're going to the top of the
17 page or to the bottom?

18 A. To the top. There's a turnout up on top.
19 There's a big guard railing. The guard railing actually sits
20 on my aunt's property. My fence line is down at the bottom of
21 that -- the bottom of the hill adjacent to the highway.

22 Q. Is that a scenic lookout area?

23 A. Definitely.

24 Q. People do stop there regularly?

25 A. All the time. As I mentioned, that's where the

1 guides stop to oversee the property and with binoculars find
2 the elk. We actually had to -- we were going to close that
3 particular site off because a lot of people were dumping their
4 trash over the area.

5 And we finally my aunt agreed with the Highway
6 Department that she would not close the scenic site, that they
7 would put a guard rail there. Unfortunately, there was an
8 incident where someone went over that hill and got in a car
9 accident and got killed. So that was another reason why we
10 eventually -- everybody agreed we would put a guard rail.
11 Obviously, it was not my approval. It was my aunt's.

12 Q. How would you describe the terrain? I don't see
13 a road shown here from the US 84 to your well site. Did you
14 discuss with Approach at any point in time where that road
15 would go? How did you get to that point?

16 A. Well, we discussed several alternatives. As I
17 mentioned, I think we said there was a possibility that they
18 could use the easement for the power line. Or they could go up
19 a little further north of my gates and the straightest
20 direction would come off the highway. It looked like there was
21 a possibility that they could build a road and in there
22 directly from the highway, therefore not having to go over much
23 of my land at all.

24 Q. Are there any drainage issues that should be
25 considered?

1 A. Of course. Any time that they move dirt there --
2 I did make one request. There's one of the last few stands of
3 timber that's in there. And I've had a lot of people approach
4 me to buy the timber, but I'd like it to stay as it is. And I
5 did ask them, you know, please don't cut my big trees.

6 Q. Let's look at Exhibit 37.

7 A. Okay.

8 Q. Now, I just want to see if you could identify the
9 features there and see if your land is connected in any way in
10 this photo?

11 A. I'm not 100 percent sure, but it appears that
12 this is the road -- the first one on the left is the one that's
13 going up north -- where it's sort of straight, that's going
14 right up the top of the TA Hill. As it turns a little bit,
15 that's where the lookout is. If you look straight down, that's
16 where my fence line would be. And the subject proposed site is
17 in one of those clearings.

18 Q. Okay. Can you -- I don't know if there's a
19 pointer there, maybe?

20 A. Oh. No. I can't see it from here, quite
21 frankly.

22 Q. I can see that. Let me ask you, looking at
23 the -- in what direction is that picture shooting?

24 A. I'm not 100 percent sure. But that looks like
25 the road going to TA and the road up on top. That seems to be

1 the road that's going -- that's Highway 64. I may be wrong.
2 This is the first time I've had an opportunity to look at this
3 photo.

4 Q. All right. I just wanted to see if you could
5 recognize some of the features. It is somewhat diffused
6 because of the large area that's being covered.

7 Now, let me ask you, you had mentioned at one point
8 in time you have listed the property. What are your plans at
9 this present time with listing the property?

10 A. Well, it's still on the market. And, you know, I
11 have to, you know, talk to my realtor and see what the impact
12 would do to the value of the property and the proposed sale
13 price.

14 Q. Well, let me ask you, then, with regard to this
15 experience in dealing with Approach, is this your first contact
16 with the oil and gas industry in any fashion?

17 A. Yes. Other than people trying to show me -- what
18 do they call it -- POS's or offer documents to buy securities.
19 But I've never -- that's about the only one.

20 Q. All right. Based on your experience with
21 Approach, how do you feel these issues between property owners
22 and, you know, development companies such as Approach should
23 proceed?

24 A. I think -- I respect their rights. However, as a
25 landowner, I think they need to respect my rights as well. I

1 mean, you just don't go on somebody's property and do things
2 without consulting anybody on anybody's private property. So I
3 think any type of -- this type of development should be done in
4 a coordinated effort.

5 I think we had some fruitful discussions at the site.
6 And I wish that's the way it had originally started, because we
7 would have perhaps not even put the site there and spent the
8 money. But, you know, I think that's the way it should start
9 rather than getting something in the mail that says we're going
10 to put it in right there. And you go, well, how did you get
11 there?

12 And I think I asked -- I guess going back to the
13 other question is, how do you place a value on what you want to
14 compensate me for? The money is not, you know -- the money is
15 a big issue because the value of the land is more important to
16 me than getting \$5,000 or \$6,000 from these folks.

17 Losing \$14,000 a year on my elk permits -- if that
18 elk outfitter cannot get elk on the property, he's going to
19 say, "I want to cancel the contract, Leo."

20 Regardless of whether you are in there or not,
21 because these people would be in there. And that's why I had
22 discussed with them the ability for them to accommodate the
23 hunting season.

24 Q. And what accomodation did they make on the
25 hunting season?

1 Q. If you would turn to that.

2 A. What exhibit was that?

3 Q. 18. That's the letter. Is that your first
4 contact with Approach?

5 A. I don't recall. I believe I had somebody call me
6 before I got this that they had hired Metes & Bounds to do a
7 survey -- before I got this.

8 Q. So before you received a letter in the mail, you
9 knew that the well was being proposed?

10 A. Sure.

11 Q. Okay. You had subsequent follow-up conversations
12 with Approach's landman?

13 A. Say that again, sir.

14 Q. You had subsequent conversations with Approach's
15 landman after you received that letter?

16 A. Yes.

17 Q. And is it fair to say you don't oppose drilling
18 on your land? In fact, you proposed three alternate locations
19 to Approach?

20 A. I would -- if I had my druthers, I wouldn't. But
21 I understand that if they have proven rights to be on there to
22 drill, I don't believe I have the right to stop them. I'm not
23 in favor of it, but needless to say, they have those rights.

24 Q. You say you were concerned with the erosion and
25 silting of your ponds?

1 A. Yes.

2 Q. Pollution? If these wells can be drilled in an
3 environmentally responsible manner, is that agreeable to you?

4 A. That's a bit term, environmentally responsible.
5 It would have been a lot more specific than that.

6 Q. Say if erosion were controlled?

7 A. Well, I think there's a lot of issues under
8 environmental control. I do a lot of financing for lots of
9 types of projects, water, sewer, and typically we have an
10 environmental assessment for a those issues and in some cases,
11 we have to hire an environmental impact to see whatever
12 effects. And it's not just erosion. It's the water levels,
13 water contamination, groundwater contamination, surface water
14 contamination.

15 So I think when you say environmental issues, I think
16 those all would have to be addressed in a plan of development
17 that would be acceptable to myself and the County, because I
18 would assume that they're going to have some type of ordinances
19 that would adhere to that. But to say I would accept something
20 without knowing what the actual details were, the answer is: I
21 don't know.

22 Q. Well, in fact, Exhibit 18 transmitted to you, the
23 proposed agreement, addressed many of those concerns; isn't
24 that right?

25 A. They were outlined, but I don't think they

1 were -- they were not necessarily addressed in detail, no.

2 Q. Well, we can go through it. If you look at
3 Page 1, it talks about compensation. Page 2, roads, pipelines,
4 location of facilities. Page 3, roads, traffic, minimization
5 of surface use. Paragraph 11, drainage, removal, restoration.

6 A. Well, if you look at everything, they start, "To
7 the extent reasonable, practical" -- you want to define what
8 "reasonable, practical" is? Until then I'd say, well, you've
9 haven't addressed all these issues. But I don't think that
10 determination itself addresses the issue.

11 Q. Did you propose additional terms to Approach that
12 would address those to your satisfaction?

13 A. I don't think we got into that detail. I think
14 that the well site itself would have been -- where we would
15 have ended up with the well site, then we would have discussed
16 those other items in detail. Because I think every site has
17 its own issues.

18 If you look at all the other sites that we saw,
19 Mr. Sena's, the Sulzemeier's property and others, they all
20 have -- they're all different sites. They all have different
21 issues. And I think words "to the extent reasonable,
22 practical," is an open-ended term.

23 Q. You're open to discussions, it sounds like; is
24 that it?

25 A. Yes, I am. I am open to discussions, but not to

1 the point that, you know, I'm going to be -- what's the word?
2 That I have really no say in where the site is going to be and
3 what those -- how those issues will be addressed. I think it
4 has to be in a cooperative fashion.

5 The term that was used at the meeting when we met
6 was, "We'll see if we can accommodate you."

7 Well, what's that mean? And I think the issues with
8 the elk permits, the hunting, going in and out of the property,
9 should be addressed in this kind of a document, not by a
10 handshake.

11 Q. The entirety of your property is located west of
12 the highway?

13 A. Yes.

14 Q. Is that right?

15 A. Yes, it is.

16 Q. I'm trying to picture it in my mind, since I go
17 up there and -- there is hunting to the west of the highway.
18 How close to the highway do you allow hunting? Let me ask you
19 that.

20 A. Once the hunt -- the outfitters are inside the
21 fence line, he can start hunting on my property.

22 Q. Except for the elk hunting, I guess?

23 A. I mean, I let them -- when they're actually --
24 when they're looking with binoculars, they are actually outside
25 of my property, but they are on my aunt's property, which is

1 all right because we conduct the hunting jointly.

2 Q. Okay. Can I ask you what do you have your
3 property listed for?

4 A. \$1,800 an acre.

5 Q. How many acres do you have?

6 A. 974 and change.

7 Q. Thank you, Mr. Valdez.

8 MR. HALL: That concludes my cross.

9 MR. BROOKS: Thank you. Any redirect?

10 MR. T. TRUJILLO: No redirect, Mr. Hearing Examiner.

11 MR. BROOKS: Very good. You may call your next
12 witness.

13 MR. A. TRUJILLO: Mr. Hearing Examiner, would it be
14 okay if I take two minutes to fill this water bottle up and ask
15 several questions of my expert witness before we proceed?

16 MR. BROOKS: That would be fine.

17 [Recess taken from 1:59 p.m. to 2:01 p.m., and
18 testimony continued as follows:]

19 MR. A. TRUJILLO: The County of Rio Arriba calls
20 Steven T. Finch.

21 MR. BROOKS: Steven Finch?

22 THE WITNESS: Mr. Hearing Examiner, I have not been
23 sworn.

24 MR. BROOKS: Okay. We need silence, please.

25 [Witness sworn.]

1 MR. A. TRUJILLO: Mr. Hearing Examiner, I have some
2 preliminary matters. If I could be so kind as to remove Rio
3 Arriba County Exhibit No. 19 from your binder so we can
4 substitute it with an updated memorandum.

5 MR. BROOKS: Okay.

6 MR. HALL: If I can get two minutes to look at it?

7 MR. A. TRUJILLO: I believe Mr. Finch will testify
8 that the only thing that is different in this memorandum is the
9 date. But if you would like your two minutes, please feel
10 free.

11 We will be introducing into evidence, if admissible,
12 Rio Arriba County Exhibit No. 51, which is Steven T. Finch's
13 PowerPoint presentation.

14 MR. BROOKS: This was not produced in advance.

15 MR. A. TRUJILLO: It was not produced until this
16 morning, no.

17 MR. BROOKS: Okay.

18 MR. HALL: I'm ready, Mr. Examiner.

19 MR. A. TRUJILLO: We move to supplement Exhibit 19
20 with Mr. Finch's new memorandum.

21 MR. BROOKS: Okay. Mr. Finch's memorandum has not
22 been offered in evidence, so you can proceed and make a
23 predicate for it, if you wish.

24 MR. A. TRUJILLO: I'm offering it into evidence.

25 MR. BROOKS: Okay. Normally we make a predicate with

1 the witness before we offer it into evidence, but if Mr. Hall
2 has no objection, we can go ahead and admit it now.

3 MR. HALL: Did you write the exhibit?

4 THE WITNESS: I did.

5 MR. HALL: No objection.

6 MR. BROOKS: Exhibit 19 will be admitted.

7 [Applicant's Exhibit 19 admitted into evidence.]

8 MR. BROOKS: At the next recess, I will bring down my
9 three-hole punch so everyone can punch it and get it into the
10 binder.

11 MR. A. TRUJILLO: The County would offer
12 Exhibit No. 20, the resume of Steven T. Finch, Jr. into
13 evidence.

14 MR. BROOKS: Are there any objections?

15 MR. HALL: No objections.

16 MR. BROOKS: 20 is admitted.

17 [Applicant's Exhibit 20 is admitted into evidence.]

18 STEVEN TAYLOR FINCH

19 after having been first duly sworn under oath,

20 was questioned and testified as follows:

21 DIRECT EXAMINATION

22 BY MR. A. TRUJILLO:

23 Q. Mr. Finch, can you state your name for the
24 record.

25 A. Steven T. Finch, Jr.

1 Q. All right. Let's go over Exhibit 20 a little
2 bit. Can you tell us about your educational background.

3 A. I got a Bachelor in Science in geology from Sul
4 Ross State University, which is located in Alpine, Texas. And
5 I got a Master of Science degree in geology from North Arizona
6 University in Flagstaff, Arizona. And my thesis topic was in
7 aqueous geochemistry of -- and the area related to that thesis
8 was the San Juan Mountains around Silverton, a full analysis of
9 the surface waters in that area for four-year period.

10 Q. Okay. What is your current occupation?

11 A. My current occupation, I'm Vice President and
12 Senior Hydrogeologist and Geochemist with John Shomaker and
13 Associates Incorporated. We're a water resource and
14 environmental consulting firm out of Albuquerque, New Mexico
15 that has been in business for more than 30 years.

16 Q. Why don't you tell us a little bit about the
17 specific kinds of projects or studies you undertake as a
18 hydrologist for Shomaker and Associates.

19 A. Well, I have a summary of project
20 responsibilities, but I'll just kind of make it short and
21 sweet. Mostly what I do is more on the analysis side of
22 hydro-geology, which looks at -- we look at groundwater
23 resources for water supply development, protection of water
24 from contaminants. I've also done some geologic work related
25 to issues of water resources in areas of oil and gas

1 development in both the San Juan Basin and the Ortiz Mesa area.

2 I've worked on regional water plans for the
3 Interstate Stream Commission. Modeled a lot of -- most of the
4 basins in New Mexico, developed detailed groundwater flow
5 models that incorporate the surface and groundwater components
6 of those areas. I've done lots of water rights, expert
7 reports, and stuff like that.

8 Q. Now, can you tell us a little bit or maybe a
9 brief summary of some of the publications that you've performed
10 in the fields of hydrology and geology?

11 A. Okay. Yeah, there are some publications I would
12 like to point out. I think I have a list of them in here on
13 Page 3. The third one down in 1991 is related to my thesis
14 research in the San Juan Mountains, which I looked at the
15 surface water and soil chemistry of high alpine meadows up by
16 Silverton. And that was published. And then also I've looked
17 at the San Juan Basin pretty extensively related to oil and gas
18 development and implications on water resources related to deep
19 well injection and coal bed methane well completion practices,
20 fracture analysis. Some of those publications were done for
21 the -- what used to be the Gas Research Institute.

22 And then -- what else. I believe it's not listed on
23 here. I've done a detailed analysis of the groundwater and
24 surface water flow of -- what is it called? Basically, the
25 northwestern corner of New Mexico which includes the San Juan

1 Basin and the Chama Basin. And that was done for the Jicarilla
2 Apache Nation.

3 Q. Have you ever been qualified as an expert in a
4 judicial or quasi-judicial proceeding?

5 A. I have. Several New Mexico State Engineer
6 hearings, and also I was once in this room before for oil and
7 an OCD hearing.

8 MR. A. TRUJILLO: I offer Mr. Finch as an expert
9 witness in the fields of hydrology and geology.

10 MR. HALL: No objection.

11 MR. BROOKS: He's so qualified.

12 Q. (By Mr. A. Trujillo): Mr. Finch, are you
13 familiar with the watershed that is the subject matter of this
14 hearing?

15 A. I am. I'm familiar both with it from the
16 perspective of the map, and I've been throughout that watershed
17 numerous times on other studies.

18 Q. Why don't -- what would you call that watershed?

19 A. I call it the Rio Chama Watershed, which
20 encompasses the Rio Chama and all the tributaries.

21 Q. Now, were you involved in a matter before the
22 State Engineer called Rancho Lobo?

23 A. I was.

24 Q. Now, can you tell us a little bit about that in
25 terms of its geographical proximity to these applications for

1 this area?

2 A. Right. It was a State Engineer hearing on the
3 transfer of water rights from around Heron Lake up to the
4 headwaters near the Colorado/New Mexico boarder north or east
5 of -- north and east of Chama. So it was on the -- let me see
6 if I can find myself in here. See, there's the highway.

7 Okay. So this is the Rio Brazos here. And the Chama
8 is coming down through the center of the map. But in the
9 northeastern corner of the map are the headwaters of Rio
10 Brazos. And that hearing involved a detailed analysis of those
11 water rights transfer up to those headwaters and what the
12 impacts would be of that transfer. There was marked well
13 drilling, extensive geological analysis of that system, at
14 around 10,000 feet.

15 Q. Now, Mr. Finch, in preparation for your
16 testimony, did you prepare any materials that you'd like to
17 incorporate into your testimony?

18 A. Well, I have the technical memorandum which I
19 believe you just discussed.

20 Q. How about a PowerPoint presentation?

21 A. And a PowerPoint presentation. And in the
22 PowerPoint presentation I have an outline of topics. The
23 PowerPoint presentation also, for convenience, includes the
24 tables and illustrations that are in my technical memo. So
25 hopefully we can concentrate on that.

1 Q. Mr. Finch, I think we've established your
2 familiarity with this area, but have we -- have you had an
3 opportunity to study or at the very least, look over the
4 different applications for permits to drill to familiarize
5 yourself with their locations?

6 A. What I did in preparation of my testimony was I
7 looked at the four permits and six applications. And I looked
8 at the information I had available for the area of where these
9 permits and applications are located, both from the surface
10 water and groundwater perspective. And then I formulated my
11 opinions from that existing information. I did not make a site
12 visit.

13 Q. Now, if you don't mind, maybe we could go ahead
14 and get into your PowerPoint presentation.

15 A. Okay.

16 Q. Now, what can you tell us about this slide,
17 Mr. Finch?

18 A. For convenience, and probably to help me keep it
19 more organized, I have outlined the things that I am prepared
20 to talk about that I thought were important for my testimony
21 and that relate to the surface water resources of the region.

22 And then I want to talk about the location of the
23 proposed and permitted wells to those surface water features.
24 I have some general description of water groundwater resources
25 of the region.

1 I want to talk about some of the proposed oil well
2 drilling methods and construction that were to the permits
3 themselves.

4 And then there's some significant things that are in
5 the Rio Chama Regional Water Plan that was adopted by the
6 Interstate Stream Commission that I have put forth as evidence
7 and the basis for some of my opinions.

8 And then it says "Conclusions," which are basically
9 my expert opinions.

10 Q. Now, what can you tell us about this map?

11 A. This is a general map of precipitation for the
12 State of New Mexico. And you can see for the most part the
13 yellow, orange, and red as very low precipitation and there's a
14 few little splotches of -- what would you call it? Going from
15 blue to the purple color which are the higher mountains and
16 where precipitation occurs in a few spots within the state.

17 Now, the significance of those few little dots of
18 high precipitation in the high elevations is that's where most
19 of our stream flow is generated for the State of New Mexico.
20 The southern San Juan Mountains in Rio Arriba County have one
21 little area, and that's our area of interest in the north
22 central part of that map at the top.

23 Q. Based upon this map, are you able to give us an
24 estimation of what the average annual precipitation is in the
25 areas affected by these proposed oil wells?

1 A. I've got another map from the Region Water Plan
2 that zooms in on this area of interest of what we're talking in
3 the Rio Chama Watershed.

4 Q. Okay.

5 A. This map is out of the Rio Chama Regional Water
6 Plan and it's also a precipitation contour map. And these
7 green and dark green colors are higher precipitation in the
8 range from, oh -- it's over 20. I think it's 23 to 38 inches
9 per year. Up in the corner here is a little location map so
10 you can see where you are. The little blue dot in that
11 location map represents the Rio Chama Watershed as well as the
12 dotted outline on the map itself.

13 Q. Now, let me ask you a question: Are the affected
14 areas in that dot?

15 A. The proposed permits -- the well permits and the
16 proposed -- or applications are in the area of that circle
17 there, the red circle. And I believe there's a little faint
18 line. This faint line going through the red circle is the, I
19 guess what you're calling TA Creek or -- that tributary to the
20 Rio Chama.

21 Q. For the record, then, could you tell us what some
22 of the different colors mean according to the average annual
23 precipitation?

24 A. The lighter -- they're labeled. The lighter blue
25 colors represent different rates of precipitation that occur

1 throughout the year. And so you can see there's a contour line
2 surrounding each color scheme going from 12 inches all the way
3 up to 38 inches.

4 Q. Now, in terms of the area inside the red dot,
5 what is the average annual precipitation in those areas? What
6 is the range of average annual precipitation?

7 A. On the western edge it looks like it could be as
8 low as 18 inches and then as high as -- definitely over
9 30 inches to the eastern edge.

10 Q. How does that compare, then, to the average
11 annual precipitation for New Mexico?

12 A. That's extremely high. And like I said, that's
13 what generates most of our stream flow within the state, other
14 than the water that comes in from other states.

15 Q. What slide number is this?

16 A. This is, I believe, No. 41. One other thing I
17 need to point out here, if that's all right, this dark black
18 line coming straight through the middle of the watershed is the
19 Rio Chama. And you can see west of that line it's pretty much
20 the same color blue. It's a lighter blue color. There's not
21 much precipitation. I think it's 14 to 16 inches per year.
22 And you also don't see many streams or tributaries coming into
23 the Rio Chama.

24 These faint lines that flow into that segment of the
25 Rio Chama are all the tributaries being the Brazos, TA Creek

1 and the others. That's what's coming off this big blob of
2 precipitation where it's green.

3 So, you know, that's the evidence of how the streams
4 flow, where it's coming from from that area in the headwaters
5 of those mountains.

6 Q. Now, what you're saying, Mr. Finch, then, is that
7 the majority of the tributaries to the Rio Chama flow from east
8 to west?

9 A. To the Rio Chama. And on the west side of the
10 Rio Chama, it generates very little stream flow.

11 Q. Now, are you familiar with the oil and gas
12 drilling activities that take place on the western portion of Rio
13 Arriba County?

14 A. Yes. I've done quite a bit of work for the
15 Jicarilla Apache Nation with regards to that.

16 Q. Is there anything else about this slide that you
17 would care to share with us?

18 A. No, that's all.

19 Q. Now, Slide No. 5. What can you tell us about
20 this slide?

21 A. This is a table that I prepared. I took it right
22 out of the New Mexico Water Quality Control Commission stream
23 standards, and for this segment of the Rio Chama from
24 approximately El Vado Lake up to Colorado, which includes the
25 area that we're interested in and all the tributaries.

1 And the significance of this -- I mean, these aren't
2 all the constituents in those standards, but there are several
3 designated uses such as the high quality cold water fishery,
4 domestic water supply, and wildlife habitat that have very
5 strong standards for streams and that is to protect the good
6 quality of water that's already there. That's the main purpose
7 of this slide. And you can see, for instance, the standard for
8 turbidity is less than 10 units.

9 Q. Now, when you say less than 10 units, can you
10 elaborate on that for the record?

11 A. Yeah. There's the -- down there at the bottom of
12 the table is a description of what those units are. I have a
13 hard time pronouncing that word, so I encourage others to read
14 them, so -- but that's the standard unit that turbidity is
15 measured in.

16 Q. And, of course, you've already stated that
17 this -- these standards are applicable to the Tierra Amarilla
18 Creek?

19 A. That's right. For the whole watershed area that
20 we're talking about.

21 Q. Now, Slide No. 6. Did you prepare this map?

22 A. I did. I prepared it with the assistance of my
23 staff. And what it is, it's a topographic map that encompasses
24 all of the permits and the applications. There's four permits
25 and six applications. And the permits are little yellow dots.

1 And applications, I believe, are triangles, and that's what
2 distinguishes the two.

3 Q. How did you locate these permits and applications
4 on the map?

5 A. I took the -- fortunately, took the latitude and
6 longitude directly off the permits and applications -- or the
7 permit or the application, whichever was available.

8 Q. Now, what does this map tell you about the
9 locations of these permits and applications?

10 A. It gives me a general idea of where the wells are
11 sited with respect to surface water features. And then once I
12 have it -- you know, these are all geo-referenced so then I can
13 compare them to other images and maps to do my analysis.

14 Q. I think this is -- can you explain to us, then,
15 basically the general flow of water from -- it appears to me
16 that it flows up from the upper right-hand corner.

17 A. It does. Over in the northwest corner of the map
18 is --

19 Q. Would you mind using the pointer?

20 A. Sure. Tierra Amarilla is here. And then you go
21 up -- is it Highway 84? Is that correct? Oh, 64. I get them
22 mixed up. You go up TA Creek drainage. This is one watershed.
23 And then you get towards the top right here, and I didn't put a
24 watershed on there, but most all this area drains into the TA
25 Creek.

1 Q. Maybe you could show us with your pointer in
2 which direction.

3 A. Well, it comes from -- like, for instance, from
4 the bottom of the map, it flows to the north into the creek.
5 And from the top up here, it flows generally south. Some of
6 these flow east or west to the creek. All the general flow is
7 east to west.

8 Q. Is it right, then, that all of these locations
9 for these maps where these applications of permits have been
10 placed received water flow directly towards them?

11 A. Yes.

12 Q. Would that be accurate to say?

13 A. Not all of them. Some of them are -- I believe
14 down there, the Sultemeier location, Hinkle and the Leo Valdez
15 are in a separate watershed from the TA Creek.

16 Q. Are you familiar with the watershed that those
17 applications are part of?

18 A. It's the general, you know, regional Rio Chama
19 Watershed, but not specific drainages. I didn't get into any
20 details of each little drainage. Some of them are unnamed.

21 Q. Maybe then you could indicate to the Hearing
22 Examiner which of these applications, then, seem to have water
23 flow towards them.

24 A. Well, they all do in the springtime. That's one
25 of the key points, is that there's snow melt runoff and sheet

1 flow. So it'll be water flowing over the lands during the
2 spring.

3 Q. Maybe you could explain to us, what is sheet
4 flow?

5 A. Sheet flow is when the ground is fully saturated,
6 it can't filtrate -- the surface water can't filtrate so it
7 runs off all at once. In areas where the land surface gradient
8 is not steep and there's no channels for it to concentrate in,
9 it'll run off as if it's covering like a sheet.

10 Q. Would it be safe to say, then, that the ground is
11 a sponge that's reached the saturation so that the excess water
12 just rolls off it then?

13 A. Yeah. I think there's some geologic slides that
14 I would like to -- when we get down the road, I'd like to kind
15 of point that out, how the geology plays a role in the surface
16 water.

17 Q. Is there anything else about this slide that
18 you'd care to share with the Hearing Examiner?

19 A. No. I think that's a pretty basic location map.

20 Q. Now, this slide is labeled Table 3, Summary of
21 Approach Operating, LLC, Well Permit Information. What can you
22 tell us about this slide?

23 A. Okay. I took the information right directly off
24 the -- these are just for the four permits. And then you see
25 the column to the left has the well API number, and then the

1 name of the well, the elevation, and then the depth of water,
2 distance to nearest fresh water, and distance to nearest
3 surface water. These are all things that I obtained from each
4 individual permit. That's what was put on the permit.

5 And the reason why I did that is I wanted a summary
6 of the information provided on the permit and then I wanted to
7 check it with my maps and information I had available to see if
8 it was correct.

9 Q. Did you do that?

10 A. I did.

11 Q. And what did that indicate?

12 A. I think what it shows is that they were very
13 general. You see a lot of greater thans, greater than 100 for
14 depth to water. There was one note of maybe 83 feet, greater
15 than 1,000 feet to the nearest freshwater well, and then the
16 distance to nearest surface water, you know, generally --
17 there's a few that are greater than 200 and two that are
18 greater than 1,000.

19 Q. Now --

20 A. I found those surface water distances to be
21 incorrect. And then the distance to the nearest freshwater
22 well is very difficult to determine. And I believe the
23 testimony of Ms. Sultemeier kind of hit on that topic.

24 Q. In what way? Let's --

25 A. There's a lot of the well -- let me back up.

1 That land has been inhabited for a long time. I mean,
2 everybody is aware of that. There are a lot of wells in the
3 area that were drilled before the basin was declared by the
4 State Engineer, so they have no permit numbers. There are no
5 records of these wells. So the distance to the nearest
6 freshwater well is, I think, really difficult to determine
7 without doing a site-specific survey. That's what I was
8 getting at with that.

9 Q. Okay. So are you saying, then, that
10 Ms. Sulzemeier's well is pre-State Engineer?

11 A. It very well could be. And it could have water
12 rights attached to it that have not been declared yet.

13 Q. And what would that mean? What's the
14 significance of that?

15 A. Well, that's a value to the land. And -- I mean,
16 to me, the water rights -- that whole area has been adjudicated
17 and water rights -- there are no new appropriations for water,
18 so you can only deal with what's been given out. And
19 additional rights are worth quite a bit of money.

20 Q. So Ms. Sulzemeier, she could have the potential
21 for new water rights?

22 A. She could have --

23 MR. HALL: I object. Calls for speculation if she
24 has water rights.

25 MR. BROOKS: Sustained.

1 Q. (By Mr. A. Trujillo): Steve, in terms of your
2 examination of the distance to surface water, you indicated
3 that you found those to be incorrect. Can you be more specific
4 as to which API numbers were incorrect?

5 A. Yeah. There's two things. There's the distance
6 to nearest surface water.

7 Q. Let's start with that.

8 A. Let me go through this real quick.

9 Q. Sure.

10 A. There are three things on there: Depth of water
11 that was deemed from the permit; the distance to the nearest
12 freshwater well, which I touched on; and the distances to the
13 nearest surface water. Now, from maps and stuff, you can get
14 an idea of what the distance is to the nearest surface water,
15 especially with the wonderful imagery we have available today,
16 you know, the Google Earth and all that kind of stuff.

17 Q. Right.

18 A. It's difficult to determine what the distance is
19 to the nearest freshwater well, as I explained previously. And
20 the same thing for depth to water. Without doing a site
21 investigation, there's no way to determine what depth to water
22 is, which I think -- and we will discuss later -- has an
23 important bearing on how the Pit Rule was implemented.

24 To me what this is calling out for is a siting
25 evaluation for well permits. And -- because you can only guess

1 at what's there without any site-specific data.

2 Q. Okay. Now, I'm going to ask that question again,
3 because I want to know which of these applications seem to be
4 incorrect in terms of distance to the nearest surface water?

5 A. Okay.

6 Q. Is there a better slide that would show that?

7 A. There's a better slide. Let's go to the
8 Woolley --

9 Q. Actually, Mr. Finch, if I could ask one more
10 follow-up question then: So as I understand it, the depth to
11 water on the permit, the distance to the nearest freshwater
12 well, and the distance to the nearest surface water well all
13 seem to be very general in nature; is that right?

14 A. Yes.

15 Q. Now, would that lead you to believe that there
16 was no hydrological study, evaluation, inspection of any kind
17 done before these applications were submitted?

18 A. Based on what's put on the permits?

19 Q. Just what's on there.

20 A. That's what leads me to believe that there wasn't
21 any type of well siting or hydrological evaluation for siting
22 these wells.

23 Q. Okay. Now, Steve, I see a Figure 2 aerial
24 photograph showing the Woolley Family LP No. 2 well permit
25 location. It looks like it's located off of Highway 64. Did

1 you produce this? Is this a photograph?

2 A. This is. This is one of those Google Earth
3 images that I pulled up and then we geo-referenced the image
4 and put the location of where the well is supposed to be on the
5 permit.

6 Q. Now, what elevation is that well, if you know?

7 A. Well -- it's approximately 10,000 feet. And from
8 this image, it's hard to, you know, pull out the details
9 without looking at it up close and all that. But there's a
10 couple of things I would like to point out.

11 You may be able to see, if I can remember exactly
12 where they are, but all these -- there's actually surface water
13 shown right there. That's a pond.

14 Q. Okay. I'm sorry --

15 A. Right above the well right off of Highway 64 to
16 the north of the circle and below the label, there is a body of
17 water. And you'll see a lot of these clearings that don't have
18 trees throughout this area. This is high alpine area where the
19 headwaters of the TA Creek and Rio Chama are. And these are
20 basically wetlands.

21 This image was obviously after all the snow had
22 melted. I don't have the exact month. I believe it's a 2003
23 image. But what this -- this is also a similar setting to that
24 Rancho Lobo case that we were talking about earlier where this
25 ground stays fully saturated and it slowly -- it becomes

1 surface water then subsides into the ground. So the depth of
2 water in this type of setting based on other similar sites in
3 the area is typically from 0 to 25 feet.

4 Q. Do you recall offhand or can we click back to the
5 next slide to find out what the applicant claims is depth to
6 water in this location?

7 A. Oh, it was greater than 100.

8 Q. Now, it seems to me that if my eyes don't fail
9 me, that right where the dot is there appears to be a clearing
10 there as well.

11 A. There is. The dot is in a clearing.

12 Q. Is that a wetland?

13 A. I'm not a biological expert, but based on
14 hydrology, it appears to be a wetland to me, which raises
15 another point. I'm not quite sure what the full details of the
16 permitting process are for wells issued by the OCD, but it
17 seems like any development in a wetland or a water course will
18 require a separate permit from the Army Corps of Engineers,
19 which is usually called a 404 Permit. And I didn't see
20 anything --

21 MR. HALL: I'm going to object and ask that his
22 testimony be stricken. He indicated earlier he wasn't familiar
23 with the subject matter to which he's testifying.

24 MR. A. TRUJILLO: I think that any witness who has an
25 opinion regarding something and the knowledge that they have

1 acquired is competent to at least inform this Hearing Examiner
2 of that knowledge. Whether or not this Hearing Examiner choses
3 to belief that testimony or give it its proper weight is
4 another matter. But to have it stricken from the record is
5 extremely improper.

6 MR. HALL: The question called for factual testimony
7 about his knowledge of the permitting process that he said he
8 didn't know.

9 MR. BROOKS: I'm going to sustain the objection. It
10 is a question of law and it's not established that he has any
11 expertise in that particular area, so I will sustain the
12 objection.

13 Q. (By Mr. A. Trujillo): Now, Mr. Finch, I want to
14 talk to you about these wetlands, then. If you look at the
15 bottom left-hand corner of the Figure 2, there appears to be a
16 scale there. Can you give us an estimation of what the
17 distance is from the nearest pond?

18 A. Well, the nearest --

19 Q. Is it --

20 A. It's less than 500 feet. But all those open
21 areas are ponded in the springtime, so it would be in a pond.
22 It's not -- those don't show the pond right after snow melt.
23 But that -- all those open areas have ponded water. That's why
24 they're called wetlands.

25 Q. Now, is this a slide that might indicate what

1 your discovery was of the discrepancy between Approach's
2 application in terms of distance to surface water? Or is there
3 another slide?

4 A. I have one more, but it doesn't -- it's the same
5 thing, but for the other location. If you want, we can go to
6 that.

7 Q. Okay. Now, this, I believe, says Figure 3 aerial
8 photograph showing Sultemeier No. 1, Sena No. 1, and Sena No. 2
9 permit locations. Did you prepare this slide?

10 A. I did.

11 Q. Now, what can you tell us, then, about this
12 slide?

13 A. Well, I found -- what really struck my
14 attention -- got my attention -- was the Sena No. 2 and the
15 Sultemeier No. 1 are right in the bottom of drainages.

16 Q. Can you explain that a little more?

17 A. Well, you can see on the Sena No. 2 that there's
18 a drainage pattern right through the well site. And that well
19 is right there in that drainage. And we saw testimony on the
20 Sultemeier No. 1. It's down in the bottom of where that box
21 canyon is.

22 Q. Could you point that out again?

23 A. That's labeled as Sultemeier No. 1 in the lower
24 left-hand corner of the map.

25 Q. Could you trace the drainage for us, maybe tell

1 us where you --

2 A. Yeah, this drainage --

3 Q. Where does it begin?

4 A. It begins way up here close to Highway 64.

5 There's a ridge, and all this drains down to the south past the
6 well site and comes out to Highway 84. And that's the drainage
7 for the Sultemeier No. 1 which has that box canyon.

8 Q. Now, Mr. Finch, I see there's another scale in
9 the bottom left-hand corner. If you could tell us the from the
10 top of that drainage to the Sultemeier well, can you estimate
11 for us what kind of a drop that is or what the distance is
12 there?

13 A. It's going to be -- you know, that's kind of a --
14 it's much closer than what's on the permit. We're talking
15 about less than 100 feet. And it's hard to determine from that
16 scale.

17 Q. Maybe you didn't understand my question. I'm
18 curious to know from the top of that drainage how far you think
19 it is?

20 A. From this drainage down to the -- oh, I got you.
21 I thought you meant from the well point to the actual -- where
22 the drainage was. I see what you mean, yeah. That's
23 different.

24 I'd say that's almost a mile long. From the top of
25 this drainage down to the bottom that contains the Sultemeier

1 No. 1 well location.

2 Q. Now, is there anything else you'd like to share
3 with us regarding this slide?

4 A. No. I think that's the general features. Well,
5 let's see. There's one other thing. You know, you can see
6 down gradient of all these, the Sena No. 1, Sena No. 2.
7 There's irrigated lands. There's acequia systems in there as
8 was testified to earlier. Over by the Sultemeier No. 1,
9 there's that well that was discovered. There's out -- this box
10 canyon opens up into a meadow where all that water flows out
11 into. So these are all what you would call maybe -- if there
12 was a contamination release at the well location, it would end
13 up in these fields where there's agriculture and where people
14 are using the land for things that relate to water.

15 Q. Well, what about just even a well pad's effect on
16 that drainage? Is there --

17 A. A well pad -- I mean, depending how many you
18 have -- for instance, if this became a viable oil and gas field
19 and you went a 40-acre spacing, then you really start to
20 compound the effects of well pads on the disruption of the
21 hydrologic system. And not only from a quantity standpoint,
22 but from erosion which leads to water quality. So you could
23 reduce flows, surface water flows. You could create water
24 quality impacts that weren't there before.

25 Q. Anything else in this slide?

1 A. No, that's it.

2 Q. Now, this slide is titled Ground Water Resources.
3 It appears to be another map. Could you just walk us through
4 what this map depicts?

5 A. I apologize for not having much more than a scale
6 and a north arrow, but this map was taken from the New Mexico
7 Bureau of Geology's state geologic map. And I did throw the
8 well locations on here.

9 Q. Okay.

10 A. You can see them where they are labeled.
11 Highway 64 is not very well -- it's not appropriately drawn on
12 this map. That's why it looks different than the others. It's
13 because this is a state geologic map. It's fairly crude.

14 But I wanted to point out what these different
15 geologic units are and what they mean as far as groundwater
16 resources and how that affects surface water. This Q well --
17 which is basically QLEC -- it's like a light-patterned -- it's
18 on top of the mountains. That's like a quaternary deposit that
19 essentially acts as a sponge and a storage reservoir. So it
20 will absorb water from snow melt and then after the snow melt,
21 it releases water and that's what keeps the TA Creek perennial.
22 You know, you have this as essentially like a storage reservoir
23 throughout the rest of the year.

24 The green -- this green color here that's
25 predominately in the western and southwestern portion of the

1 map, that's the Mancos Shale. The Mancos Shale pretty much
2 impedes water. It doesn't filtrate surface water very well.
3 So that's what also helps maintain stream flow through this
4 area. So you have a high potential for runoff in this green
5 area because of the shaley component to the underlying ground.

6 Not shown on here along the stream bed is a
7 quaternary deposit and, as a matter of fact, in most of the
8 tributaries and the small streams and arroyos, those alluvial
9 deposits over most of the shallow wells obtain their
10 groundwater supply from them. Now, those alluvial depositions
11 are very sensitive to surface water quality impacts because
12 they are recharged from the surface water readily year round.

13 Q. And could you just for my own -- could you do
14 that again for where those formations are?

15 A. Oh, they follow the -- not what's shown here.
16 They follow the creeks and the drainages we showed on the other
17 map.

18 Q. Now, what was the name of that formation?

19 A. It's just alluvial sediments. The other thing
20 is, there are wells in the region that produce from the Mancos
21 Shale and the underlying Dakota Formation. So these are the
22 same formations that are being targeted for oil and gas
23 production. There is fresh water in some of those sand lenses
24 that are being produced for water supply.

25 Q. What you're saying is that some wells are

1 actually --

2 A. Yeah. I'll show an example of some of those.

3 Q. Now, what can you tell us, then, about -- right
4 in the middle of the slide, there's a geographic formation that
5 has the acronym Kls. Now, on the bottom left-hand corner of
6 it, there appears to be a formation that has some stripes
7 across it.

8 A. Yeah. That's the Mesaverde. It's for Kmvs. K
9 stands for Cretaceous. That's the age of the rocks. And the
10 other -- like MV stands for the name of the formation, which is
11 the Mesaverde. And this is the Lewis Shale. And so these, the
12 Lewis Shale and the Mesaverde are younger than the Mancos
13 Shale. That's why they look like they're stacked on top like
14 pancakes.

15 Q. And the Mesaverde is shale as well?

16 A. They are sandstone in the Mesaverde as well as
17 the Mancos Shale. So it's inner-bedded rocks. I have another
18 slide that will show the cross-sectional profile of these
19 rocks.

20 Q. Okay.

21 A. This is taken right out of the Rio Chama Regional
22 Water Plan, and I apologize for the scale of it. I couldn't
23 make it any bigger without it going off the map. But you can
24 see all this green is -- this big thick green section is the
25 Mancos Shale. And then there is a stipple pattern underneath

1 it that is the Dakota Sandstone. And between the Dakota
2 Sandstone and the Mancos Shale is that Graneros Formation, and
3 the Graneros is what they are targeting for oil and gas.

4 Q. Who?

5 A. That's what's put on the oil and gas drilling
6 permits. And an important feature here, this cross section,
7 you know, there's a hard-to-read scale on the depth or
8 elevation of the slices through the earth, but this is from
9 east to west and these rocks are dipping to the west. And
10 groundwater flows down dips in those sandstone beds. And there
11 are cases where some of those sandstone beds have a high
12 pressure because they're recharged up high in the mountains and
13 when you drill into them, they will artesian. And the reason
14 why I'm mentioning this is because the State Engineer has
15 special requirements for completion of artesian wells to
16 prevent upward leaking of water through the casing and whatnot.

17 Q. Can you use the pointer again to indicate where
18 you think that there might be a possibility for some artesian,
19 an artesian phenomenon?

20 A. Yeah. This is the top of the mountain up there
21 in this area.

22 Q. The top of the mountain --

23 A. Say, the upper headwaters of the TA Creek or
24 something. And as you go down dip in low spots, you can maybe
25 get artesian water by drilling down into those sandstones.

1 Q. Now, what would be -- maybe you could walk us
2 through what a typical artesian phenomenon might sort of --

3 A. It probably -- if it's all right, I can talk
4 about that when we talk about the proposed well completion for
5 the oil and gas wells.

6 Q. Sure.

7 A. Just wanting to kind of lay the foundation for
8 the artesian waters.

9 Q. Okay. This slide is titled Summary of Water
10 Supply Well Depth and Water Levels.

11

1 REPORTER'S CERTIFICATE

2
3 I, JOYCE D. CALVERT, Provisional Court Reporter for
4 the State of New Mexico, do hereby certify that I reported the
5 foregoing proceedings in stenographic shorthand and that the
6 foregoing pages are a true and correct transcript of those
7 proceedings and was reduced to printed form under my direct
8 supervision.

9 I FURTHER CERTIFY that I am neither employed by nor
10 related to any of the parties or attorneys in this case and
11 that I have no interest in the final disposition of this
12 proceeding.

13 Signed this 23rd day of June, 2008.

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4 I, JOYCE D. CALVERT, a New Mexico Provisional
5 Reporter, working under the direction and direct supervision of
6 Paul Baca, New Mexico CCR License Number 112, hereby certify
7 that I reported the attached proceedings; that pages numbered
8 1-234 inclusive, are a true and correct transcript of my
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10 I was the holder of Provisional License Number P-03.

11 Dated at Albuquerque, New Mexico, 23rd day of
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