	Page 1
1	STATE OF NEW MEXICO
2	DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES OIL CONSERVATION DIVISION
3	APPLICATION OF WPX ENERGY FOR APPROVAL OF A 9,238-ACRE Case No. 15102
4 5	PROJECT AREA COMPRISED OF ACREAGE SUBJECT TO A COMMUNITIZATION AGREEMENT;
	FOR A "REFERENCE CASE"
6	AUTHORIZING WITHIN THE PROPOSED PROJECT AREA THE ORIGINAL
7	DOWNHOLE COMMINGLING OF PRODUCTION FROM THE ESCRITO
8	GALLUP ASSOCIATED POOL, COUNSELORS GALLUP DAKOTA POOL,
9	AND LYBROOK GALLUP OIL POOL; AND FOR AN EXCEPTION TO WELL
10	LOCATION REQUIREMENTS WITHIN THE PROPOSED PROJECT AREA,
11	RIO ARRIBA AND SANDOVAL
12	COUNTIES, NEW MEXICO
13	TRANSCRIPT OF PROCEEDINGS DOCKET EXAMINER HEARING BEFORE: SCOTT DAWSON March 20, 2014 Santa Fe, New Mexico
14	BEFORE: SCOTT DAWSON
15	March 20, 2014 Santa Fe, New Mexico
16	Salica re, New Mexico
17	This matter came on for hearing before the New
18	Mexico Oil Conservation Division, SCOTT DAWSON,
19	Deputy Director of the Oil Conservation Division, on
20	Thursday, March 20, 2014, in Porter Hall, Santa Fe,
21	New Mexico.
22	
23	REPORTED BY: PAUL BACA, CCR #112 PAUL BACA COURT REPORTERS
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	7. Yours	<u>-</u>
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- 1 HEARING EXAMINER DAWSON: Is everybody
- 2 ready?
- Good morning. Today is March 20, 2014.
- 4 We are located in Porter Hall of the Indochino
- 5 Building at 1220 South St. Francis, Santa Fe,
- 6 New Mexico.
- 7 My name is Scott Dawson. I'm the deputy
- 8 director of the Oil Conservation Division and
- 9 Hearing Officer for Case Number 15102.
- 10 I call Case Number 15102. It's continued
- 11 from the March 6, 2014, examiner hearing. And its
- 12 regarding the application of WPX Energy for an
- 13 approval of a 9,238-acre project area comprised of
- 14 acreage subject to a communitization agreement for a
- 15 reference case authorizing within the proposed
- 16 project area the downhole commingling of production
- 17 from the Escrito Gallup associated pool, Counselors
- 18 Gallup Dakota oil pool, and Lybrook Gallup oil pool;
- 19 and for an exception to well location requirements
- 20 within the proposed project area, Rio Arriba and
- 21 Sandoval County, New Mexico.
- 22 At this time I want to ask for appearances
- 23 and witnesses.
- 24 MR. FELDEWERT: May it please the
- 25 examiner. Michael Feldewert with the Santa Fe

- 1 office of Holland & Hart appearing on behalf of the
- 2 applicant. And I have three witnesses today.
- 3 HEARING EXAMINER DAWSON: Okay.
- 4 MR. BRUCE: Mr. Examiner, Jim Bruce from
- 5 Santa Fe representing JMJ Land & Minerals Company.
- 6 I may have a witness.
- 7 HEARING EXAMINER DAWSON: Okay.
- 8 Mr. Feldewert, would you like to call up your
- 9 witness please?
- MR. FELDEWERT: Yes.
- 11 KEN MCQUEEN,
- 12 after having been first duly sworn under oath,
- was questioned and testified as follows:
- 14 EXAMINATION
- 15 BY MR. FELDEWERT:
- 16 Q. Would you please state your name, identify
- by whom you are employed, and in what capacity?
- 18 A. My name is Ken McQueen. I'm employed by
- 19 WPX Energy, and I'm the director of the San Juan
- 20 region.
- 21 Q. Mr. McQueen, how long have you been the
- 22 director of the San Juan region for WPX?
- 23 A. I've been in this job duty since March of
- 24 2008.
- 25 Q. And what did you -- prior to this

- 1 position, what was your position with, I guess,
- 2 Williams, the predecessor?
- 3 A. Yes. I was -- I started with Williams as
- 4 a senior staff engineer in 2002, was later the
- 5 manager of joint interest operations for Williams.
- 6 Q. Have you previously testified before the
- 7 Oil Conservation Division as an expert in petroleum
- 8 engineering?
- 9 A. I have.
- 10 Q. And, Mr. McQueen, have you also
- 11 participated in rulemaking proceedings before the
- 12 commission as an expert in petroleum engineering?
- 13 A. Yes, that's correct.
- 14 Q. I believe, Mr. McQueen, you actually
- 15 testified before the commission with respect to the
- 16 horizontal well rules back in 2011?
- 17 A. Yes. I was the technical witness on
- 18 behalf of industry at that hearing.
- 19 Q. Okay. Are you familiar with the
- 20 application that has been filed in this case?
- 21 A. I am.
- Q. And are you familiar with the status of
- 23 the lands in the proposed communitized area?
- 24 A. Yes, I am.
- 25 MR. FELDEWERT: I would tender Mr. McQueen

- 1 as an expert witness in petroleum engineering.
- 2 HEARING EXAMINER DAWSON: Is there any
- 3 objection?
- 4 MR. BRUCE: No, sir.
- 5 HEARING EXAMINER DAWSON: He is so
- 6 qualified.
- 7 Q. (By Mr. Feldewert) Mr. McQueen, would you
- 8 turn to what's been marked as WPX Exhibit Number 1
- 9 in your notebook and explain to us what it shows,
- 10 and in particular the colors in the legend, please?
- 11 A. The CA that we are proposing consists of
- 12 9,237.3 acres, and it consists of federal, state,
- 13 and fee acreage.
- 14 The federal acreage, as shown in the green
- 15 portion of this map, constitutes about 90.5 percent
- 16 of the total acreage in the CA.
- 17 The state acreage, shown as brown on this
- 18 map, encompasses 480 acres, about 5.2 percent of the
- 19 total CA area.
- 20 And the fee acreage, as shown in blue on
- 21 this Exhibit 1, constitutes 400 acres, approximately
- 22 4.33 percent of the total area.
- O. Is it the area outlined in red that
- 24 identifies the area that has been preliminarily
- 25 approved for communitization?

- 1 A. That's correct. That would be the
- 2 exterior boundary of the proposed CA.
- 3 Q. Okay. And does that -- does the legal
- 4 description in the application match the area that
- 5 is enclosed in red?
- 6 A. That's correct.
- 7 Q. There -- if I look at the upper left-hand
- 8 corner, does it identify the working interest owners
- 9 in this acreage enclosed in red and the percentages?
- 10 A. That's correct. The legend identifies
- 11 both the working interest owners and the ownership
- 12 that's present in the proposed CA.
- 13 WPX owns approximately 93 and a half
- 14 percent of this area. There are two additional
- 15 non-operators that will participate in the CA. That
- 16 is Logos, with approximately a 6 percent working
- 17 interest, and Manana, with an approximate .4 percent
- 18 ownership.
- 19 O. Okay. And then if I turn to what's been
- 20 marked as WPX Exhibit Number 2, I see a similar map
- 21 with the CA area outlined in red.
- How does this differ from the prior
- 23 exhibit?
- 24 A. This Exhibit 2 shows all of the leases
- 25 that are encompassed in the CA. There were

- 1 questions raised in some of the prehearing meetings
- 2 about the extent of the leases.
- 3 And what this is intended to demonstrate
- 4 is that all of the federal leases are contained
- 5 entirely within the bounds of the proposed CA.
- 6 The 480 acres of the state lease that is
- 7 contained in the CA is part of a much larger state
- 8 lease that's shown in blue in this area.
- 9 And then additionally, some of the fee
- 10 acreage leasehold also extends outside of the CA
- 11 area.
- 12 Q. Now, the acreage in blue here is
- 13 signifying the state lease. It's contained in
- 14 various sections. Why is that?
- 15 A. Many years ago, my understanding is that
- 16 the state, in their leasing process, included
- 17 multiple sections of land in leases. So that's why
- 18 we see this particular lease covering parcels of
- 19 land in four or five different sections.
- 20 Q. And with respect to the CA area, this
- 21 state lease comprises just 480 acres?
- 22 A. That's correct.
- Q. Okay. If I then turn to what's been
- 24 marked as WPX Exhibit Number 3, again we see the CA
- 25 acreage outlined in red, correct?

- 1 A. That's correct.
- Q. Okay. Then how does this differ from the
- 3 prior exhibits? What does this show us?
- 4 A. Well, rather than showing the land
- 5 position, this Exhibit 3 is intended to show the
- 6 pool maps that are encompassed within the proposed
- 7 CA.
- And the red pool here is the Lybrook pool.
- 9 The yellow is the Counselors pool. And the green is
- 10 the Escrito pool.
- 11 And portions of each of those three pools
- 12 will be included in this proposed CA.
- 13 Q. And does this also reflect the existing
- 14 development in this area?
- 15 A. Yes. All of the vertical wells that are
- 16 currently producing are shown by green dots on this
- 17 map.
- 18 And then the wells that we have drilled or
- 19 are currently drilling horizontally within the CA
- 20 are shown by the horizontal lines that appear on the
- 21 map.
- To date, we have seven producing wells
- 23 that have been drilled within the CA area. We have
- 24 two that are waiting on stimulation, and we have one
- 25 that is currently drilling.

- 1 Q. So there's already a substantial amount of
- 2 existing development, both vertical and horizontal,
- 3 within the proposed -- within the CA area, correct?
- 4 A. That's correct.
- 5 Q. Okay. And did the company meet with both
- 6 BLM and the New Mexico state land office about
- 7 development of this area as a large communitized
- 8 area?
- 9 A. Yes, we have.
- 10 Q. And what was the BLM's reaction?
- 11 A. BLM felt that this proposal was the best
- 12 way to move forward for developing a horizontal play
- in an area that had been previously developed by
- 14 vertical wells.
- The reality is that all of the leasehold
- 16 within the CA is held by production today.
- 17 And so from the BLM's perspective, very
- 18 much underdevelopment.
- 19 Q. So they support the communitized area
- 20 concept?
- 21 A. Yes. And we'll be presenting an exhibit
- 22 later in my testimony that has their preliminary
- 23 agreement to the CA.
- Q. Okay. Why don't we do that now.
- 25 Let's turn to what's been marked as WPX

- 1 Exhibit Number 4.
- 2 Does this contain, on the first page, the
- 3 letter from the Bureau of Land Management providing
- 4 preliminary approval for the communitized area?
- 5 A. That's correct.
- 6 Q. And then beginning on the second, and
- 7 continuing on to the third page, is that the letter
- 8 from the New Mexico state land office granting
- 9 preliminary approval of this communitized area?
- 10 A. That's correct.
- 11 Q. If I then turn to what's been marked as
- 12 WPX Exhibit Number 5, is this the most recent
- 13 version of the communitization agreement that has
- 14 been approved -- preliminarily approved by both the
- 15 BLM and the New Mexico state land office?
- 16 A. That's correct.
- 17 Q. If I turn to the second page of this
- 18 exhibit, does it identify the horizon -- first off,
- 19 it provides the acreage description, correct?
- 20 A. That's correct. On page 2, the first
- 21 paragraph describes the acreage that will be
- 22 encompassed within the CA.
- 23 And the second paragraph identifies the
- 24 number of acres. It identifies that this
- 25 development is for horizontal well development only.

- 1 And it also identifies the vertical
- 2 section for inclusion in the CA as the Mancos
- 3 formation. And the Mancos formation, in particular,
- 4 is defined in a stratigraphic section that will be
- 5 presented later by our geologist. It's from the
- 6 Rincon Number 20. It's a vertical well that
- 7 completely penetrates the vertical section, and
- 8 we're asking for a definition of this CA area to be
- 9 encompassed from the top of the Mancos formation to
- 10 the top of the Greenhorn formation.
- 11 (A technical recess was taken from 9:28
- 12 a.m. to 9:49 a.m.)
- 13 HEARING EXAMINER DAWSON: We're back in
- 14 session. Sorry about the problem there.
- Go ahead.
- 16 Q. (By Mr. Feldewert) So, Mr. McQueen, I
- 17 think we were at WPX Exhibit Number 5 on the second
- 18 page. And you had pointed out that it contained the
- 19 acreage description and the amount of acreage.
- 20 Does it also identify the formation that
- 21 is being -- that is subject to the communitization
- 22 agreement?
- 23 A. That's correct. The communitization
- 24 agreement will cover the Mancos formation that would
- 25 be defined specifically. And we'll have a top log

- 1 to show later in the geologic presentation as the
- 2 base point lookout, which is the stop of the Mancos,
- 3 all the way through the Mancos formation to the top
- 4 of the Greenhorn formation.
- 5 Q. And I believe that one of the unique
- 6 provisions of this communitization agreement that
- 7 has been preliminarily approved by the BLM and state
- 8 land office is that it is prone for horizontal well
- 9 development, correct?
- 10 A. That's correct. And that's stated in
- 11 the -- in the paragraph there at the end of the
- 12 legal description:
- 13 "Shall include only the Mancos formation
- 14 as to horizontal wells only underlying second
- 15 lands."
- 16 Q. And as I continue through this exhibit, at
- 17 some point I get to what is the Exhibit A to the
- 18 agreement, correct?
- 19 A. That's correct.
- Q. Which outlines the area subject to the
- 21 communitization agreement. And that matches your
- 22 prior exhibits that we reviewed, correct?
- 23 A. That's correct.
- 24 Q. And then this also contains the Exhibit B,
- 25 which comprises a large portion of this exhibit that

- identifies the interest by tract and then their
- 2 respective percentages, correct?
- 3 A. That's correct.
- 4 Q. All right. When you met with the Bureau
- of Land Management, Mr. McQueen, was commerciality
- 6 or the need for a continuation drilling obligation
- 7 an issue with the agency?
- 8 A. At the end of the day it was not an issue.
- 9 And there, I think, are several reasons that
- 10 contributed to that.
- 11 First of all, all of the acreage within
- 12 the CA is currently held by production.
- 13 Secondly, all of the horizontals that we
- 14 drill today have been commercial -- significant
- 15 commercial, I might add, if we look at what the BLM
- 16 requires for a commercial determination in their
- 17 participating area. Wells that we have drilled to
- 18 date have been significantly better than those
- 19 minimums required on the commercializations.
- 20 The other aspect here is that as we go
- 21 forward, all parties in the CA share equally in the
- 22 production. So even if there are wells that are
- 23 drilled subsequently that are wildly economic or
- 24 uneconomic, all of the parties in the CA share
- 25 proportionately in the production.

- 1 And finally, I think the reason the BLM
- 2 did not require a drilling commitment in the
- 3 formation of this CA is that we have a very active
- 4 drilling plan underway. As I indicated, we already
- 5 have nine wells drilled in the CA, and we're
- 6 drilling our tenth well.
- 7 And based on our drilling outlook and
- 8 permitting schedule, we expect to be substantially
- 9 complete with all 60 horizontal laterals that will
- 10 be drilled in this CA by the end of 2015.
- 11 Q. With that in mind, if I turn to what's
- 12 been marked as WPX Exhibit Number 6, does it -- is
- 13 this -- does this exhibit identify your scheduled
- 14 drilling program?
- 15 A. It does. Exhibit 6 consists of two pages.
- 16 The first page is the rate schedule for Aztec
- 17 Drilling Rig Number 980. This is the first drilling
- 18 rig that we brought on board for our Chaco
- 19 development program. It started working for us on
- 20 January 4th of last year.
- 21 And you can see the wells that is has
- 22 drilled and the wells that we're planning for it to
- 23 be drilled.
- 24 Also shown on this sheet is the date that
- 25 we have staked. The locations that we plan to drill

- 1 to date, we have staked every location that's on
- 2 this drilling rig's list through the end of 2015,
- 3 with the exception of three.
- 4 I've also added the information of when
- 5 the APD was filed for and when the BLM and the state
- 6 permit were received.
- 7 So you can see that we have a very good
- 8 inventory of permitting available here that gets us
- 9 through the end of the summer with the current
- 10 permitting. And since the bulk of the remaining of
- 11 the wells have been staked, we are well along in the
- 12 progress of securing permits for the rest of those.
- Now the color scheme here is, those wells
- 14 that are in yellow are the wells that have been
- 15 drilled within the bounds of the proposed CA.
- And if we look at the second page of
- 17 Exhibit 6, this is the rig schedule for Aztec
- 18 Drilling Rig Number 730. This is the second rig
- 19 that we just recently brought on board to help us
- 20 expedite the development of the play. This well
- 21 spud its first well on February 6, 2014.
- 22 As you can see, its drilling schedule
- 23 through the duration of completion of the wells and
- 24 the proposed CA is entirely dedicated to the CA
- 25 development with the exception of two wells, the 226

- 1 and the 272, which will be drilled on a nearby state
- 2 lease.
- 3 Q. So, Mr. McQueen, you have -- currently the
- 4 company has two rigs running?
- 5 A. Correct.
- 6 Q. And they are continuous drilling?
- 7 A. Correct.
- 8 Q. And they are -- it looks, based on your
- 9 exhibit there, at least a large focus of their
- 10 drilling is on the communitized area, correct?
- 11 A. That's correct. And that is very
- 12 intentional upon our part. This first CA was the
- 13 easiest area to put together because we own the
- 14 majority of the leasehold. There were no Indian
- 15 leases involved in this area, so we really focused
- on this proposed CA area as the core of our primary
- 17 development, while it allows us to gain permitting
- inventory in other areas of our leasehold.
- 19 Q. Now, I think you previously testified, in
- 20 looking at some of the prior maps, that all of the
- 21 federal leases involved are wholly contained within
- 22 a communitized area?
- 23 A. That's correct.
- 24 Q. But that the state lease involved was
- 25 partially in, partially out, correct?

- 1 A. That's correct. In fact, just a minority
- 2 of the state lease, 480 acres, is contained within
- 3 our CA.
- 4 Q. As a result, did the New Mexico state land
- 5 office desire a segregation clause for the
- 6 communitized -- or under the communitization
- 7 agreement?
- 8 A. That's correct. The SLO requested a
- 9 segregation clause included in our CA.
- 10 Q. And the company agreed to that?
- 11 A. We did agree to that.
- 12 Q. And is that actually contained within
- 13 what's been marked as Exhibit Number 5?
- 14 A. Yes.
- 15 Q. Okay. That deals with the BLM and the
- 16 state land office.
- 17 Has the company also discussed this
- 18 communitized area with the two other working
- 19 interest owners?
- 20 A. Yes. We have discussed it with both of
- 21 the other two parties.
- 22 Q. And have the companies discussed a -- the
- 23 development of a joint operating -- a joint
- 24 operating agreement that would govern the operations
- 25 of this communitized area?

- 1 A. Yes. A joint operating agreement has been
- 2 discussed. We prepared the JOA. We've circulated
- 3 it to both of our partners. They have reviewed the
- 4 JOA, and they supplied their comments back to us. I
- 5 would describe it as substantially complete. I
- 6 would anticipate having a signed document for the
- 7 JOA within the next two weeks.
- 8 Q. So in addition to the BLM and the state
- 9 land office, all of the other working interest
- 10 owners within this communitized area agreed to the
- 11 common development under this communitization
- 12 agreement?
- 13 A. Yes. Not only agreed, but were very
- 14 supportive of the approach, because they felt like
- 15 this was the best approach for the development to
- 16 ultimately recover the optimum amount of reserves
- 17 from the lease holdings.
- 18 Q. So that essentially provides the examiner
- 19 with the background of this case.
- 20 So now, let's get to what the company is
- 21 actually seeking from the division. Okay?
- 22 With all of these approvals in place, what
- 23 does the company need from the division in order to
- 24 move forward with this project?
- 25 A. There are three considerations we need

- 1 from the commission.
- The first is that we are asking for this
- 3 entire proposed CA area to be designated as a
- 4 project area under the horizontal rules
- 5 consideration.
- We are asking for permission to commingle
- 7 the production between and among the three pools
- 8 that are present in the proposed CA.
- 9 And we're asking for consistent setbacks
- 10 around the perimeter of the CA.
- 11 Q. Okay. Now, I want to address each one of
- 12 those separately as we move forward.
- 13 Let's turn first, then, to the request
- 14 that the division recognize this CA as a single
- 15 project area for horizontal development.
- 16 A. Okay.
- 17 Q. What is the advantage of having the
- 18 division recognize this area as a single project
- 19 area for horizontal development?
- 20 A. The project area across this 9,200-plus
- 21 acres will give us the ability to drill laterals in
- 22 any direction. It essentially relieves us of any
- 23 setback requirements internal to the CA.
- 24 Today we've been, because of the land
- 25 situation, pretty much forced to orientate our

- 1 laterals within 160-acre project areas.
- 2 All of the laterals that we have drilled
- 3 to date have been in the Lybrook pool, and the
- 4 Lybrook spacing is 40 acres. So we've assembled
- 5 four 40s together in 160-acre project areas.
- 6 And because of the land orientation, this
- 7 has pretty much forced us to orientate our laterals
- 8 in an east to west or west to east direction.
- 9 What we've found, with some of the
- 10 extensive microseismic work that we've conducted in
- 11 this area, is that the fracture orientation is
- 12 actually not perpendicular to that direction.
- The fracture direction that we were seeing
- 14 out here, and we've run three microseismics to date,
- 15 ranging anywhere from 30 to 40 degrees east and
- 16 north.
- 17 So this suggests to us that an optimal
- 18 lateral direction should be 30 to 40 degrees north
- 19 of west; in other words, orthogonal to that fracture
- 20 initiation direction.
- 21 And so by relieving us from all of the
- 22 internal setbacks across the CA, we'll be better
- 23 able to orientate laterals so that they more
- 24 optimally recover the reserves presently in the
- 25 reservoir.

- 1 Q. And I believe, Mr. McQueen, we have.
- 2 examples of what you're talking about in terms of
- 3 your well orientation.
- 4 Is that correct?
- 5 A. That's correct. If you will look at
- 6 Exhibit 7, this is a well that we will be drilling
- 7 shortly on state acreage in Section 16. It's the
- 8 148H lateral.
- 9 And this demonstrates our orientation of
- 10 the completed interval pretty much from east to
- 11 west.
- 12 And if you will look at the next exhibit,
- 13 which is Exhibit 8, this demonstrates where we would
- 14 plan to move in the future with our well
- 15 orientation.
- So in Exhibit 7, the dedicated acreage to
- 17 the project area would be 160 acres, four 40s. Had
- 18 we drilled this well with the preferred direction,
- 19 we would have had six 40s, or 240 acres dedicated to
- 20 this horizontal wellbore.
- Q. And so if I look at Exhibit Number 8, for
- 22 example, is that -- does that represent the type of
- 23 filing that would be made with the division in the
- 24 event that the -- this area is approved as a project
- 25 area?

- 1 A. That's correct.
- 2 Q. And you would essentially -- if I look at
- 3 dedicated acreage, you would essentially file with
- 4 the division as the dedicated acreage the 40-acre
- 5 tracts that would be penetrated by the well?
- 6 A. That's correct.
- 7 Q. And that would be for filing purposes?
- 8 A. Yes.
- 9 Q. But with respect to the production from
- 10 that well, would that be shared with all of the
- 11 interest owners in the communitized area?
- 12 A. That's correct.
- 13 O. Is this -- what we see on Exhibit
- 14 Number 8, is this similar to the filings that the
- 15 company currently does for its Rosa unit?
- 16 A. Yes, that's correct.
- 17 Q. When was the Rosa unit formed?
- 18 A. The Rosa unit was formed in 1948.
- 19 Q. Is that a federal exploratory unit?
- 20 A. That is correct.
- Q. Why did the company and the BLM decide to
- 22 communitize this area for horizontal well
- 23 development rather than proceeding with a federal
- 24 exploratory unit like they did back in 1948 with the
- 25 Rosa unit?

- 1 A. The federal exploratory unit is designed
- 2 to have a first well drilled and deemed as
- 3 commercial, and then as subsequent wells are drilled
- 4 and deemed commercial those become part of the
- 5 participating area, so that the participating area
- 6 is continually expanding over time as long as the
- 7 wells are commercial and to the point in time when
- 8 the participating area fully expands to the outside
- 9 limits of the federal exploratory unit.
- In this case, it was clear that the wells
- 11 that we have been drilling surpass commerciality
- 12 determination. And from the standpoint that all of
- 13 the wells are shared proportionately among the
- 14 owners, essentially what we're forming here is an
- 15 undivided interest across the CA.
- The bookkeeping for BLM is really
- immensely simplified by proceeding with an undivided
- 18 interest from the initial start.
- 19 Q. So if I go back -- let's flip back for a
- 20 moment to Exhibit Number 3.
- 21 If I'm understanding you correctly,
- 22 Mr. McQueen, when I look at Exhibit Number 3, one of
- 23 the unique aspects we have out here is that you have
- 24 a large amount of existing development both vertical
- 25 and horizontal, correct?

- 1 A. That's correct.
- Q. Okay. And I believe you have testified
- 3 that all of the leases that are -- will be included
- 4 within the CA are currently held by production, that
- 5 would be another unique circumstance here, would it
- 6 not?
- 7 A. That's correct.
- 8 Q. Now in addition to this unique development
- 9 scenario, is there another aspect of this particular
- 10 acreage related to the ownership that resulted in
- 11 both the company and the BLM proceeding with a
- 12 communitized -- a communitization agreement rather
- 13 than a federal exploratory unitization?
- 14 A. That's correct. The original vertical
- 15 development that took place out in this area started
- in the '70s and was largely completed in the '70s
- 17 and '80s. And as a consequence to that, the
- 18 ownership in these leases have changed a number of
- 19 times through history. And as is often the case,
- 20 overrides were carved out with these transactions
- 21 that happened.
- Today, with the leasehold that we are
- 23 attempting to develop, we have approximately 80
- 24 overriding royalty interest holders out here.
- 25 And to form a federal unit you have to

- 1 achieve consent by not only the working interest
- 2 owners, but also the overriding royalty owners. And
- 3 if an override would elect not to commit their
- 4 acreage to the CA, that means they would be
- 5 continued to be paid on a lease basis.
- 6 And one of our big concerns was being --
- 7 we believe it would be virtually impossible to get
- 8 all overriding royalty owners committed to the unit.
- 9 And if we were unable to do that, then we would be
- 10 forced to pay some of the overrides on a lease basis
- 11 and some of the overrides on a CA basis, which would
- 12 be really a quite complicated accounting exercise
- 13 for us and prone to -- to errors as well.
- 14 So because of that consideration, that
- 15 really pointed us down the line to forming a CA
- 16 rather than the federal unit.
- 17 Q. Is it true, Mr. McQueen, given this large
- 18 group of overriding royalty interest owners, that
- 19 there are a few that the company has simply been
- 20 unable to locate?
- 21 A. That's correct.
- 22 Q. So you would not be able to get them to
- 23 sign an exploratory agreement?
- 24 A. That's correct.
- 25 Q. Is it true, Mr. McQueen, that with the

- 1 large group of overriding royalty interests that you
- 2 have here, and just the nature of some of the
- 3 parties that are involved, that there are royalty
- 4 overrides that just -- you can send them anything
- 5 you want, but they just don't act?
- 6 A. That's correct. Unresponsive.
- Q. And so when you met with the BLM, did they
- 8 agree, then, that this was a better route to go,
- 9 rather than try to form an exploratory -- a federal
- 10 exploratory unit?
- 11 A. Yes, they did. They felt like -- they
- 12 felt that from the accounting perspective, that the
- 13 CA was really a superior method for paying and
- 14 keeping track of what was due to the overriding
- 15 interest owners.
- 16 Q. But was notice of this hearing provided to
- 17 the overriding royalty interest owners within the
- 18 CA?
- 19 A. Yes.
- Q. Okay. And you're going to have a landman
- 21 that will attest to that?
- 22 A. That's correct.
- Q. Okay. Do the division's horizontal well
- 24 rules currently recognize a -- currently recognize a
- 25 communitized area as a single project area?

- 1 A. They do not.
- Q. If I turn to what's been marked as WPX
- 3 Exhibit Number 9, is this the current definition
- 4 within the division's horizontal well rules of a
- 5 project area?
- 6 A. That's correct. Under the commission's
- 7 Rule 19.15.16.7 there are two provisions for forming
- 8 a project area.
- 9 The first one of those requires a
- 10 collection of contiguous spacing units that are
- 11 penetrated by the horizontal wellbore.
- 12 And the second situation is an entirely
- 13 voluntary or statutory unit from an approved
- 14 enhanced recovery or pressure maintenance project or
- 15 an approved state exploratory unit or a
- 16 participating area in the federal unit.
- 17 Q. And currently, Mr. McQueen, the division's
- 18 rules don't expressly recognize a communitized area
- 19 as a single project area?
- 20 A. That's -- that's correct. And having sat
- on the committee that rewrote these rules, and in
- 22 thinking about why CAs were not included explicitly
- 23 in this rule, I think the reason for that was that
- 24 at the time the rules were rewritten, CAs were
- 25 really not contemplated much larger than 320 acres.

- 1 And with CAs of that size they could
- 2 easily be accommodated as a project area under
- 3 Section 1 of this rule.
- 4 But with this much larger area,
- 5 functionally it looks and acts and feels very much
- 6 like the same reasons that a participating area in a
- 7 federal unit was given in that consideration as a
- 8 project area under the rules we wrote.
- 9 Q. So you were involved in the committee that
- 10 came up with the horizontal well rules?
- 11 A. That's correct.
- 12 Q. And you were involved in the testimony
- 13 before the commission in support of the horizontal
- 14 well rules?
- 15 A. That's correct.
- Q. And you are also a petroleum engineer?
- 17 A. That's correct.
- 18 Q. Given that background, Mr. McQueen, in
- 19 your opinion, is a recognition of this large
- 20 communitized area as a single project area
- 21 consistent with the intent and purpose of a project
- 22 area expressed in the division's current rules?
- 23 A. I absolutely believe it is consistent with
- 24 the considerations that were given the PA under the
- 25 federal units.

- 1. Q. And would you consider this to be a
- 2 logical progression to recognize a communitized, or
- 3 a large communitized area like this, as a single
- 4 project?
- 5 A. I do.
- 6 Q. And in your opinion, is there any reason
- 7 not to treat a large communitized area like this any
- 8 differently from, for example, a federal or state
- 9 exploratory unit?
- 10 A. I don't believe so. I actually see, when
- 11 you look at the benefits and the downsides, the
- 12 benefits of the formation of this CA actually
- 13 greatly outweigh other alternatives that are
- 14 available to us to fully develop and exploit these
- 15 resources.
- 16 Q. In your opinion, Mr. McQueen, would the
- 17 recognition of this communitized area as a single
- 18 project area allow the company to more efficiently
- 19 locate and orient its proposed horizontal wells for
- 20 maximum recovery of hydrocarbons?
- 21 A. That's correct. The project area will
- 22 remove all internal setbacks so that we can
- 23 orientate the laterals for the best productivity in
- 24 the reservoir.
- 25 Q. In your opinion, Mr. McQueen, would the

- 1 recognition of this communitized area as a project
- 2 area impair correlative rights?
- 3 A. No.
- Q. Why is that?
- 5 A. Well, all of the owners within the CA
- 6 share proportionately to their interests in the CA.
- 7 And we are asking for consistent setbacks
- 8 around the perimeter of the proposed CA.
- 9 And for those reasons, we see no impact to
- 10 correlative rights.
- 11 Q. And in fact, under the joint operating
- 12 agreement that is going to be executed by the
- 13 parties, WPX would be the only operator for
- 14 horizontal development within the communitized area,
- 15 correct?
- 16 A. That's correct. And our intent is to
- 17 propose only horizontal wells in this area.
- 18 Q. Okay. Now I want to move to the second
- 19 part of your application, which is the request to
- 20 commingle production from the different pools within
- 21 the communitized area.
- 22 And I think if we go back to WPX Exhibit
- 23 Number 3, I believe it provides a picture of what we
- 24 are talking about here, does it not?
- 25 A. That's correct.

- 1 Q. This is the exhibit with the communitized
- 2 area outlined in red and then identifying by colors
- 3 the three pools that are involved?
- 4 A. That's correct.
- 5 Q. Now, you show on here that the CA involves
- 6 part of the Counselors Gallup Dakota oil pool?
- 7 A. That's correct.
- 8 Q. It also involves part of the Escrito
- 9 Gallup associated pool?
- 10 A. That's also correct.
- 11 Q. And then the majority of the communitized
- 12 area is subject to the Lybrook Gallup oil pool,
- 13 correct?
- 14 A. That's correct. Almost two-thirds of the
- 15 proposed CA area is within the Lybrook pool.
- 16 Q. Now, are you familiar with the order that
- 17 created the Basin Mancos gas pool?
- 18 A. Yes. That would be Mr. Hayden's order
- 19 from the Aztec office, R-12984.
- 20 Q. Under that order, what has happened with
- 21 respect to each of these three pools?
- In other words, is the Escrito and
- 23 Counselors pools, are they listed pools under that
- 24 particular order?
- 25 A. The Order R-12984 resulted in some of the

- 1 Gallup pools being listed and some of the Gallup
- 2 pools being unlisted in the order, which effectively
- 3 resulted in what we commonly refer to in the
- 4 industry as some of the pools being frozen and some
- 5 of the pools being allowed to expand.
- 6 So we have one pool -- the Lybrook pool is
- 7 a frozen pool, so it cannot expand beyond its
- 8 current boundary.
- 9 But the other two pools here involved,
- 10 Escrito and Counselors, are both expandable pools.
- 11 O. And I believe under the division's rules
- 12 those pools would have a two-mile, in this area,
- 13 boundary around them?
- 14 A. That's -- that's correct. So under the
- 15 current rules when we, for example, would drill a
- 16 lateral in the south half of Section 17 here, which
- 17 is shown in the white acreage not currently within a
- 18 pool, under R-12984, that 320 acres would come into
- 19 the Counselors pool.
- 20 Q. Now, you were -- the existing horizontal
- 21 development within this CA, and as you've testified
- 22 earlier and as depicted on this exhibit, has been
- 23 solely within the -- what I'll call the frozen
- 24 Lybrook pool?
- 25 A. That's correct.

- 1 Q. Okay. And those are in the eastern
- 2 portion of the communitized area at this point?
- 3 A. Actually, the western portion.
- Q. I'm sorry. The western portion. Thank
- 5 you.
- As you proceed with your robust drilling
- 7 schedule, would you anticipate that at some point
- 8 the horizontal wellbores that you intend to drill
- 9 will cross from one pool into another and possibly
- 10 into all three pools?
- 11 A. That's correct.
- 12 Q. Now, are these -- yet, under your
- 13 communitized CA agreement, your unitized
- 14 communitization agreement, each interest owner in
- 15 each pool is going to share in the production from
- 16 the wellbore no matter where it is included in the
- 17 communitized area.
- 18 Is that correct?
- 19 A. That's correct.
- 20 Q. Are you -- are these pools all basically
- 21 at the same interval? I mean, are they all within
- 22 the Mancos formation?
- 23 A. Yes. The same reservoir is being produced
- 24 in all three of these, in the Mancos section of all
- 25 three of these pools.

- 1 . I believe that the Counselors not only
- 2 includes the vertical section of the Gallup, but
- 3 also includes the Dakota. But for the section that
- 4 is identified as Gallup, within Counselors, is the
- 5 same reservoir that we're producing that is
- 6 identified in the Escrito Gallup and in the Lybrook
- 7 Gallup.
- Q. And as I look at Exhibit Number 3, there
- 9 is the development -- the current development in all
- 10 three of these pools, correct?
- 11 A. Vertical development, yes, in all three
- 12 pools.
- 13 Q. Okay. Are you familiar with the
- 14 division's commingling rules?
- 15 A. I am.
- 16 Q. In your opinion, is there sufficient
- 17 information on these pools within the communitized
- 18 area to establish an area-wide reference case?
- 19 A. I believe there is.
- 20 O. If I turn to what's been marked as WPX
- 21 Exhibit Number 10, is that the Subsection A of the
- 22 division's rule dealing with downhole commingling?
- 23 A. That's correct. And as you read through
- 24 these requirements that must be met for commingling
- 25 between or among multiple pools, what becomes

- 1 clearly evident is that these rules were written for
- 2 vertical wellbores that penetrate multiple stacked
- 3 pools. And that is why there is specification for
- 4 acknowledgment that the fluids are compatible and
- 5 the pressure regimes are similar so that we don't
- 6 have backflow between the formations.
- 7 In reality, what we are contemplating here
- 8 with a request for our commingling is really not
- 9 addressed in this section because this section is
- 10 really intended to work for vertical commingling.
- 11 And this is, I think, just another example in our
- 12 rules where the development in the horizontal realm
- 13 has outpaced maybe the review of the rules and
- 14 bringing those up to date.
- But basically what we're asking is
- 16 approval to commingle between and among the three
- 17 pools that are within the CA. And the reason for
- 18 that is, in reality -- and our geologist will
- 19 testify to this fact later in the hearing -- is that
- 20 we are producing from the same continuous bench
- 21 across this entire CA.
- 22 So in fact, they are the same reservoir.
- 23 The oil and gas has the same properties, so there's
- 24 no reason not to approve the commingling of this
- 25 production from these three pools within the CA

- 1 area.
- 2 Q. So recognizing what you just said, but
- 3 knowing that this is the rule that we currently have
- 4 to work with, did you review it, and with respect to
- 5 the portions that would arguably be applicable here,
- 6 do these three pools meet the requirements?
- 7 A. They do, yes.
- 8 Q. For example, are the fluids compatible?
- 9 A. Yes.
- 10 Q. And the pressures -- I forget what term
- 11 you used. The pressure...
- 12 A. The pressure regime is essentially the
- 13 same across the reservoir.
- Q. Okay. And in your opinion, you don't see
- any harm resulting from the commingling of these
- 16 pools?
- 17 A. None at all.
- 18 Q. Now realizing that we have to work between
- 19 the current division rules, did you fill out a form
- 20 C-107A for this commingling request?
- 21 A. I did.
- 22 Q. And if you would, turn to what's been
- 23 marked as WPX Exhibit Number 11.
- 24 A. That's correct.
- 25 Q. Is this a copy -- a signed -- a copy of

- 1 the C-107A that has been signed by yourself?
- 2 A. That's correct.
- 3 Q. And did you provide the information on
- 4 this form, to the extent that you were able, given
- 5 the fact that some of these provisions really don't
- 6 apply?
- 7 A. Right. Given the limitation that this
- 8 form is really designed for a vertical wellbore,
- 9 yes, I completed this form.
- 10 Q. And finally, Mr. McQueen, in your opinion,
- 11 is it appropriate for the division to allow
- 12 commingling of production from these pools in
- 13 horizontal wellbores within the area encompassed by
- 14 the communitization agreement?
- 15 A. Completely appropriate in the CA area,
- 16 because it's essentially all the same reservoir.
- 17 Q. And so that's why you're seeking a
- 18 reference case that would be applicable just to this
- 19 area within the communitized -- subject to the
- 20 communitization?
- 21 A. That's correct.
- Q. All right. Now having said all of that,
- 23 did you have an opportunity to visit with the
- 24 New Mexico state land office and the division prior
- 25 to this hearing about this commingling request?

- 1 A. I have, yes.
- 2 Q. And did the these agencies express
- 3 concerns about the limitations associated with their
- 4 existing reporting system?
- 5 A. They did.
- 6 Q. Okay. And did they indicate a concern
- 7 about the ability to report an allocation of
- 8 production from a well in a CA to these three pools
- 9 or the interests of these three pools?
- 10 A. That's correct. Essentially, my
- 11 understanding of the way that their accounting
- 12 system works is that a lateral, a horizontal
- 13 lateral, is tied to a pool or pools that it produces
- 14 from.
- 15 And production from -- if it crosses
- 16 multiple pools -- are allocated back to those
- 17 respective pools.
- 18 The problem we have, that arose in
- 19 particular in this CA, is we have three pools
- 20 present. And in some cases the lateral will not
- 21 cross into all three pools. In fact, all of the
- 22 laterals that we've drilled to date have been
- 23 entirely within the Lybrook pool.
- 24 So the question that came about is, how is
- 25 it possible to allocate the production to the

- 1 respective pools when the pool is not penetrated?
- 2 Because the real issue is, with the formation of the
- 3 CA, the intent is that all of the production be
- 4 shared according to the ownership.
- 5 And so the state really did not have a
- 6 mechanism in their current accounting system to
- 7 fully address that scenario.
- 8 Q. As a result, did the -- did the division
- 9 express a concept of creating what would be a
- 10 horizontal oil pool that would overlay the existing
- 11 oil pools in the CA just for horizontal development?
- 12 A. That's correct. After lengthy discussion
- 13 with both the OCD and the SLO, the solution that was
- 14 proposed was to create an oil pool consistent with
- 15 the proposed CA boundaries for horizontal
- 16 development only. And thereby, all of the
- 17 production within the proposed CA could be booked,
- 18 if you will, to that single pool.
- 19 And that greatly simplifies all of the
- 20 bookkeeping trauma which would otherwise be induced
- 21 by moving ahead with the three existing vertical
- 22 pools.
- O. Now looking at WPX Exhibit Number 3, with
- 24 respect to the existing vertical wells within the
- 25 communitized area, would they remain dedicated to

- 1 your current pools?
- 2 A. That's correct. All of the vertical wells
- 3 would remain dedicated to their current pool
- 4 designations. Only the new horizontal wells would
- 5 be a part of this new Mancos oil pool.
- 6 Q. So just the new -- the new pool would only
- 7 cover the area within the CA at this point, correct?
- 8 A. Correct.
- 9 Q. They would only cover horizontal wells
- 10 within that area?
- 11 A. Correct.
- 12 Q. And the vertical wells within the CA would
- 13 remain dedicated to their existing pools?
- 14 A. That's correct.
- Okay. Does the company agree with this
- 16 approach?
- 17 A. Yes. We concur that under the
- 18 circumstances this would be the simplest way to move
- 19 forward from an accounting and bookkeeping
- 20 standpoint.
- 21 Q. And in fact, that would allow --
- 22 essentially accomplish the objectives of both the
- 23 company, to BLM, as well as the vision in the state
- 24 land office with respect to reporting, because you
- 25 would still be able to allocate the production under

- 1 this new pool from the horizontal wells to all of
- 2 the interest owners within the CA, correct?
- 3 A. That's correct.
- 4 Q. And it would allow the reporting to be
- 5 done under that new pool?
- 6 A. Single pool, correct.
- 7 Q. Vertical wells would stay -- since they're
- 8 not part of the CA, could stay dedicated to their
- 9 existing pools.
- 10 Is that correct?
- 11 A. That's correct.
- 12 Q. Okay. If that were to occur, does that
- 13 eliminate the need for the company's commingling
- 14 request?
- 15 A. It would eliminate the need for the
- 16 preference case for commingling, yes.
- 17 Q. Now, did the company have an opportunity
- 18 to visit with the other two working interest owners
- 19 in the communitized area about the creation of what
- 20 I will call an overlapping oil pool for horizontal
- 21 development?
- 22 A. Yes. We have visited with both Manana and
- 23 Logos, our two nonoperating partners in this
- 24 proposed CA. And they are supportive of moving
- 25 ahead with the creation of this single oil pool for

- 1 horizontal development consistent with the
- 2 boundaries of the proposed CA.
- 3 Q. At this point, Mr. McQueen, do you
- 4 anticipate that allowables will be an issue if the
- 5 division proceeds to create a new horizontal oil
- 6 pool for the communitized area?
- 7 A. Allowables have not been a problem to date
- 8 of the seven producers that we have online.
- 9 Q. And in fact, if you look at the seven
- 10 producers, they are within the Lybrook pool?
- 11 A. Yes.
- 12 Q. And that's subject to the division's
- 13 statewide rules?
- 14 A. That's correct.
- 15 Q. So from that perspective, any new pool
- 16 subject to the division's statewide rules would not
- 17 create, at this point, an allowable issue for the
- 18 company?
- 19 A. We don't see any allowable issues on a
- 20 go-forward basis.
- 21 Q. And if in the future allowable became an
- 22 issue, the company could certainly come back and
- 23 address that issue with the division, correct?
- 24 A. That's correct.
- Q. Okay. Now I want to turn, then, to your

- 1 final request.
- 2 A. Okay.
- 3 Q. Which is to allow the wells, the
- 4 horizontal wells, to be located anywhere within the
- 5 communitized area so long as they remain 330 feet
- 6 from the communitized area boundary.
- 7 A. Uh-huh.
- 8 Q. If I -- again, stay on WPX Exhibit
- 9 Number 3. So if we could go back and take a look at
- 10 that exhibit.
- 11 A. (Witness complies.)
- 12 Q. Now, I believe you've testified that the
- 13 Lybrook pool shown on this exhibit is currently
- 14 subject to division statewide rules?
- 15 A. That's correct. We have three pools
- 16 within the proposed CA boundaries. And each of
- 17 those three pools have different spacing and
- 18 different setbacks.
- The Lybrook is under the statewide rules,
- 20 so it's a 40-acre-spaced unit with 330-foot
- 21 setbacks. The Escrito Gallup associated pool is an
- 22 80-acre spacing with 790-foot setbacks. And the
- 23 Counselors Gallup Dakota pool is a 160-acre-spaced
- 24 pool with 660-foot setbacks.
- Q. Now, that would be in both the Escrito, at

- 1 790 from the quarter section, correct?
- 2 A. Correct.
- 3 O. But -- and then 330 from the
- 4 quarter-quarter?
- 5 A. Correct.
- 6 Q. And then the Counselors is 660 to the
- 7 quarter and -- or to the boundary, and then 330 from
- 8 the quarter-quarter?
- 9 A. That's correct.
- 10 Q. But the point here is that the Lybrook
- 11 pool is under the statewide rules, which is 330
- 12 feet, correct?
- 13 A. Correct.
- 14 Q. Okay. With that in mind, what acreage is
- 15 really affected with respect to your request to
- 16 allow 330-foot setbacks around the entire
- 17 communitized area?
- 18 A. It's basically only that portion of the
- 19 proposed CA that is encompassed by either the
- 20 Counselors or the Escrito pools.
- Q. So if I'm looking at WPX Exhibit Number 3,
- 22 for example, we see that that issue only exists with
- 23 respect to, basically, the -- towards the eastern
- 24 side of the CA area?
- 25 A. That's correct, the eastern side.

- 1 Q. And with respect to that issue where
- 2 you're butting up against the two pools, the Escrito
- 3 and the Counselors that have different setbacks
- 4 currently within the CA, and even out of the CA, the
- 5 division has a circumstance where the Lybrook pool
- 6 is butting up against the Counselors or the Escrito
- 7 pool, correct?
- 8 A. That's exactly the case. If you look at
- 9 the boundary between the Counselors pool and the
- 10 Lybrook pool, I can drill a well anywhere in the red
- in the Lybrook pool as close as 330 feet to the
- 12 Counselors pool boundary.
- But if I'm on the Counselors pool side of
- 14 that pool boundary, then I can only get as close as
- 15 660 feet from the Lybrook pool.
- 16 So essentially what we're asking to do is
- 17 to move this boundary that currently exists between
- 18 the Lybrook and the Counselors pool to the eastern
- 19 boundary of the proposed CA.
- Q. And then if I look to the north of the CA,
- 21 we have the same circumstance, where the Lybrook
- 22 pool is butting up to the Escrito?
- 23 A. The Escrito, that's correct. It's
- 24 actually worse in the Escrito. Because at that
- 25 point -- in fact, you can see where a well was

- 1 drilled 330 feet off of the line from the Escrito
- 2 Gallup. And yet if you're on the other side of the
- 3 line and you're in the Escrito Gallup, 790 feet is
- 4 as close as you can get to the Lybrook pool.
- 5 Q. So under this application, again, we're
- 6 just moving that circumstance where they butt up
- 7 against each other to the east, correct?
- 8 A. To the eastern boundary, consistent with
- 9 the CA boundary, correct.
- 10 Q. Okay. Now, do the setback requirements in
- 11 the Escrito and Counselors pool -- does that, in
- 12 your opinion, currently interfere with the efficient
- 13 well development pattern that you hope to put in
- 14 place within this communitized area?
- 15 A. Yes, it does.
- 16 Q. And in your opinion, will allowing wells
- 17 to be located anywhere within the CA, so long as
- 18 it's no closer than 330 feet to the outer boundary
- 19 of the CA, is that going to impede correlative
- 20 rights?
- 21 A. We don't believe so.
- 22 Q. Okay.
- 23 A. Any operator who has acreage outside of
- 24 our proposed CA that is either in the Counselors
- 25 pool or in the Escrito pool can pursue an NSP to get

- 1 relief from their 790 or 660 setback to move closer
- 2 to our pool boundary if they so desire.
- 3 And WPX would have -- would not file an
- 4 objection to any offset operator adjacent to our CA
- 5 boundary for a nonorthodox location at 330.
- 6 Q. Okay. So the company is willing to put in
- 7 place a stipulation within this order that an
- 8 offsetting operator outside the CA would be allowed
- 9 to drill a well if they so desired at 330 feet from
- 10 the CA boundary?
- 11 A. We would stipulate that we would not
- 12 oppose that application at 330 feet from the --
- 13 outside the boundary of our CA.
- 14 Q. And if I -- again, looking at WPX Exhibit
- 15 Number 3.
- 16 If I look at the area affected by this
- 17 request to the north and to the eastern boundary of
- 18 the CA, is there much in terms of existing vertical
- 19 development?
- 20 A. There is not. Currently, there are six
- 21 wells that would fall into this category that are on
- 22 the eastern side of that proposed CA boundary.
- 23 Q. Okay. In your opinion, will allowing
- 24 wells to be located anywhere within this
- 25 communitized area, so long as it's no closer than

- 1 330 feet to the outer boundary, give the company the
- 2 flexibility of the need to put in place the most
- 3 efficient well patterns for the recovery of the oil
- 4 underlying this acreage?
- 5 A. I believe it will.
- 6 Q. And, Mr. McQueen, in your opinion, will
- 7 approval of this application be in the best interest
- 8 of conservation, prevention of waste, and the
- 9 protection of correlative rights?
- 10 A. Yes, it will.
- 11 Q. Were Exhibits 1 through 11 prepared by you
- or compiled under your direction and supervision?
- 13 A. They were.
- 14 MR. FELDEWERT: Mr. Examiner, at this time
- 15 I would move the admission into evidence of WPX
- 16 Exhibits 1 through 11.
- 17 HEARING EXAMINER DAWSON: Are there any
- 18 objections?
- 19 MR. BRUCE: No. sir.
- 20 HEARING EXAMINER DAWSON: They will be so
- 21 admitted.
- MR. FELDEWERT: And that concludes my
- 23 examination of this witness.
- 24 HEARING EXAMINER DAWSON: Okay.
- 25 Mr. Bruce?

- 1 MR. BRUCE: Just a few questions.
- 2 EXAMINATION
- 3 BY MR. BRUCE:
- 4 Q. Mr. McQueen, looking at your Exhibit 3,
- 5 what you have in front of you, I notice that the
- 6 horizontals you have drilled, or you have planned to
- 7 drill to date, are one-mile horizontals.
- I would presume, from the shape of some
- 9 portions of the CA, that some of the wells would be
- 10 greater than one mile in length?
- 11 A. Correct.
- 12 Q. At this point are you planning only
- laydowns, or might some be angled or standup wells?
- 14 A. I anticipate, with approval of this CA,
- 15 that our development direction will shift so that
- 16 the laterals are drilled more to the northwest than
- 17 to the due west.
- 18 Q. Okay. And at this point, are all of the
- 19 surface locations for your wells inside the CA?
- 20 A. No, they are not.
- 21 Q. Okay. There are a few outside just for...
- 22 A. That's correct.
- 23 Q. To maximize the length of the horizontal
- 24 well, probably?
- 25 A. Well, there are also challenges in this

- 1 area with topography and archeology, so we're not
- 2 always able to secure optimal surface locations.
- 3 So some of those surface locations are
- 4 outside of the CA. But of course with the rewrite
- 5 of the horizontal rules, the governing factor is
- 6 where the completed interval is located.
- 7 MR. BRUCE: That's all I have,
- 8 Mr. Examiner.
- 9 HEARING EXAMINER DAWSON: Okay.
- 10 At this point, we will take a 10-minute
- 11 break and then we'll continue at that point.
- 12 Thank you.
- 13 (A recess was taken from 10:36 a.m. to
- 14 10:49 a.m.)
- 15 (A recess was taken.)
- 16 HEARING EXAMINER DAWSON: Okay. At this
- 17 time we'll go back on the record, and I do have some
- 18 questions.
- 19 Going back to Exhibit 2 on this map that
- 20 shows the boundary.
- 21 THE WITNESS: Uh-huh.
- 22 HEARING EXAMINER DAWSON: Some of those
- 23 colors in there on the legend, it's really small,
- 24 and I just wanted to ask on that --
- THE WITNESS: Yes. Mr. Dawson, I can

- 1 clarify for you there that there are two blue colors
- 2 there that are confusing.
- 3 The one that is inside the CA that's in
- 4 the shape of an L, that blue, is federal acreage.
- 5 HEARING EXAMINER DAWSON: Okay.
- 6 THE WITNESS: All of the remainder blue on
- 7 the map is the state lease.
- 8 HEARING EXAMINER DAWSON: Okay.
- 9 THE WITNESS: I apologize for those
- 10 colors. Unfortunately, some of the things we look
- 11 at on the screen do not print exactly as they appear
- 12 on the screen.
- 13 HEARING EXAMINER DAWSON: What about the
- 14 red color up there in Section 5 of 23 North, 6 West?
- 15 What is that? That looks like 80 acres in there,
- 16 that red.
- 17 THE WITNESS: Yes.
- 18 HEARING EXAMINER DAWSON: Is that
- 19 something I should maybe ask the land person?
- THE WITNESS: The landman.
- 21 HEARING EXAMINER DAWSON: Okay. I can ask
- 22 him when he comes back up to the stand. I can ask
- 23 him about those colors. We can cover that when he
- 24 comes up.
- 25 MR. FELDEWERT: Or I can tell you right

- 1 now.
- 2 HEARING EXAMINER DAWSON: Okay. That's
- 3 fine.
- 4 MR. FELDEWERT: We are informed it's a
- 5 separate federal lease.
- 6 HEARING EXAMINER DAWSON: All right.
- 7 And then the yellow?
- 8 THE WITNESS: The yellow is a federal
- 9 lease.
- 10 HEARING EXAMINER DAWSON: Oh. It's also a
- 11 federal lease? Okay.
- 12 And then the purple on -- in Section 15 of
- 13 23/7.
- 14 THE WITNESS: That's federal as well.
- 15 HEARING EXAMINER DAWSON: That is federal.
- 16 Okay. Yeah.
- 17 Yeah, I see the USA there. Okay.
- 18 So on the date of the approval of this,
- 19 was that -- that was January 1, 2013?
- 20 THE WITNESS: Yes. It goes back to that
- 21 date. And that is -- that precedes any of our
- 22 drilling activity. So the working interest parties
- 23 have already agreed on how to allocate the
- 24 production and cost from that point forward.
- 25 HEARING EXAMINER DAWSON: Okay.

- 1 THE WITNESS: So that's the reason for the
- 2 creation of the date prior to our commencement of
- 3 drilling.
- 4 HEARING EXAMINER DAWSON: Okay.
- 5 And in your testimony, you've talked some
- 6 about roughly 80 overriding royalty interest holders
- 7 within the communitized area?
- 8 THE WITNESS: Yes, sir.
- 9 HEARING EXAMINER DAWSON: And you said
- 10 that some of them may elect not to commit or not
- 11 sign up or you can't find them?
- 12 THE WITNESS: If we went down the route of
- 13 forming a federal unit instead of a CA. Every part
- 14 of the federal unitization process is -- is to
- 15 request that every overriding owner commit their
- 16 override to the unitized area. That's not a
- 17 requirement under the CA.
- 18 And what I was trying to convey is that
- 19 signing up those 80 folks could be a real challenge,
- 20 because -- we had addresses for all of the
- 21 overrides, but some of them we didn't get the green
- 22 cards back on, which makes us think that they are
- 23 not locateable.
- 24 HEARING EXAMINER DAWSON: So whenever you
- 25 commence production, and the royalties associated

- 1 with those overriding royalty interest holders, are
- 2 you going to put those royalties in suspense or how
- 3 are you going to take care of that?
- 4 THE WITNESS: The ones that we cannot
- 5 locate will be held in suspense. That's right.
- 6 HEARING EXAMINER DAWSON: Okay. All
- 7 right.
- 8 So do you anticipate any compulsory or
- 9 forced pooling within the community?
- 10 THE WITNESS: We do not. We have
- 11 voluntary agreement from all of the working interest
- 12 owners.
- 13 HEARING EXAMINER DAWSON: Okay.
- 14 Have you drilled any other -- I'm going to
- 15 refer to them as diagonals. You said that the pool
- 16 was 30 to 40 degrees -- that the fracture pattern
- 17 within the pool is 30 to 40 degrees east of north.
- 18 THE WITNESS: Correct.
- 19 HEARING EXAMINER DAWSON: And you are
- 20 planning on drilling 30 to 40 degrees north of west
- 21 of perpendicular to that fracture pattern?
- 22 THE WITNESS: Correct.
- 23 HEARING EXAMINER DAWSON: That way, you
- 24 could -- it would enable you to maximize your
- 25 production?

- 1 THE WITNESS: Yes.
- 2 HEARING EXAMINER DAWSON: Have you drilled
- 3 any other diagonal wells in the area?
- 4 I know you haven't within this
- 5 communitized area.
- 6 THE WITNESS: We have not to date.
- 7 HEARING EXAMINER DAWSON: You have not to
- 8 date. Okay.
- 9 Do you have any anticipation of maybe how
- 10 much better a diagonally-oriented well may produce
- 11 compared to the existing east/west or west/east
- 12 wells?
- 13 THE WITNESS: It would be some
- 14 straightforward estimates that we would make. But
- 15 essentially, it's just a function of trigonometry.
- 16 So the more orthogonal you are to the fracture
- 17 initiation direction, you essentially get more bang
- 18 for your buck out of that wellbore.
- In other words, if you're not going
- 20 orthogonal, depending on what the angle difference
- 21 is, you're going to have to drill an increasingly
- 22 longer lateral to intersect where those fractures
- 23 will initiate from.
- 24 So drilling orthogonal to the fracture
- 25 initiation direction is the way to get the best bang

- 1 for your buck from a drilling standpoint.
- 2 HEARING EXAMINER DAWSON: On Exhibit 6,
- 3 this has your wells that you have currently drilled
- 4 and the anticipated wells that you're going to
- 5 drill?
- 6 THE WITNESS: That's correct.
- 7 HEARING EXAMINER DAWSON: Are those -- are
- 8 most of those wells that you're filing APDs on, are
- 9 most of these mile-long laterals?
- 10 THE WITNESS: Most of these are. That's
- 11 correct.
- 12 HEARING EXAMINER DAWSON: And there are
- 13 some in there that are greater than a mile?
- 14 THE WITNESS: Well, we expect to file --
- once this CA is approved we expect to file some
- 16 sundries to both lengthen some of the laterals and
- 17 to reorientate some of the lateral directions.
- 18 And of course the sundry process is much
- 19 briefer in time requirement as opposed to generating
- 20 an entire new APD. Typically, in two weeks or less
- 21 we can have a well sundried to change direction.
- 22 HEARING EXAMINER DAWSON: Does WPX have
- 23 any geological or engineering data to support the
- 24 330-foot setback for the proposed CA?
- 25 THE WITNESS: We did not propose any

- 1 reservoir engineering data to date to justify that
- 2 setback, because we received no objection from any
- 3 of the noticed parties over the 330-foot setback.
- 4 HEARING EXAMINER DAWSON: If you obtain --
- 5 as this goes along, if you obtain more geological
- 6 and engineering data to support the 330-foot setback
- 7 for the proposed CA, would you be willing to share
- 8 this data with OCD?
- 9 THE WITNESS: We would under the terms of
- 10 confidentiality.
- 11 HEARING EXAMINER DAWSON: Okay. Because
- 12 we may want some of that data for -- in case we go
- 13 forward with the development of a new horizontal
- 14 Mancos oil pool. We might want to utilize some of
- 15 that data.
- 16 THE WITNESS: We have an extensive
- 17 reservoir stimulation project currently underway.
- 18 So we're building the models to incorporate all of
- 19 the data that we've gathered.
- 20 . And then once we have 18 months or so of
- 21 production, we can correlate that production back to
- 22 the model construction through a history matching
- 23 process. And at that point in time, I think we'll
- 24 have some fairly conclusive evidence of what the
- 25 optimal spacing is.

- 1 Because not only are we interested in what
- 2 the optimal spacing is from the boundary of the CA,
- 3 but we're also interested in what the optimal
- 4 spacing is between the laterals. We obviously want
- 5 to drill the laterals close enough together that we
- 6 recover all of the resource, but we don't want to
- 7 drill them so close together that they're
- 8 interfering with each other and capturing each
- 9 other's oil.
- 10 HEARING EXAMINER DAWSON: If there is
- 11 interference amongst the wellbores, we have a notice
- 12 on our website asking operators to provide that
- 13 information.
- 14 Would WPX be willing to provide that
- 15 information? Could they -- will they provide that
- 16 information to the OCD if there is wellbore
- 17 communication?
- 18 THE WITNESS: Yes, Mr. Dawson. We met
- 19 informally with both BLM and the Aztec OCD personnel
- 20 several weeks ago in Farmington and presented our
- 21 preliminary observations of inter wellbore
- 22 communication in the Gallup Sandstone development
- 23 area.
- 24 And BLM had some follow-up questions that
- 25 we have been running to ground. But we plan to

- 1 provide that information, as it stands to date, to
- 2 both OCD and BLM shortly.
- 3 HEARING EXAMINER DAWSON: I know you did
- 4 say that approval of this application would be in
- 5 the best interest of conservation, the prevention of
- 6 waste, and the protection of correlative work
- 7 rights.
- 8 THE WITNESS: That's correct.
- 9 Something we didn't mention in my previous
- 10 testimony, but another reason that we're forming
- 11 this CA, and in conjunction with our reservoir
- 12 stimulation work, is we're reviewing potential for
- 13 enhanced recovery in this CA area.
- And so from that standpoint, that's
- another attribute that I should probably mention
- 16 that works in favor of creating this large area.
- 17 Because we do believe, based on porosities
- 18 that are present and the type of oil and oil system
- 19 that we're dealing with, that there is an
- 20 opportunity for additional recovery here through
- 21 enhanced oil techniques.
- 22 HEARING EXAMINER DAWSON: At that point,
- 23 when you get into secondary or enhanced recovery,
- 24 would that -- how would that affect the super com
- 25 agreement? Did you want to just keep it the same as

- 1 it is at that point?
- THE WITNESS: Yes. We would continue on
- 3 under the CA agreement.
- 4 HEARING EXAMINER DAWSON: Well, I
- 5 appreciate the thoroughness of this application. It
- 6 answered a lot of my questions, and I don't foresee
- 7 any questions at that point.
- I will have some questions of the land
- 9 person, but I'm pretty much finished with my
- 10 questions.
- 11 Do you have any?
- 12 MR. BRUCE: I do not.
- MR. FELDEWERT: Mr. Examiner, if I may, I
- 14 have one additional area of inquiry I would like to
- 15 go into real quick.
- 16 HEARING EXAMINER DAWSON: Okay.
- 17 FURTHER EXAMINATION
- 18 BY MR. FELDEWERT:
- 19 Q. Mr. McQueen, you talked about the
- 20 requirements for a federal exploratory unit, that
- 21 you have to go out and get all the overrides to
- 22 essentially execute the agreement; otherwise, they
- 23 are paid on a lease basis, correct?
- 24 A. They are. That's right.
- 25 The situation I was trying to describe is

- 1 we end up with overrides, some of which are
- 2 committed, some of which are uncommitted. And that
- 3 requires us, then, to pay the uncommitted on a lease
- 4 basis and the committed on a CA basis.
- 5 Q. And the problem you have here is you're
- 6 dealing with a large number of overriding royalty
- 7 interests, correct?
- 8 A. That's correct.
- 9 Q. And so the mechanical aspect of getting
- 10 the agreement to them, getting them to sign it, and
- 11 getting them to return it to you becomes a big
- 12 issue, does it not?
- 13 A. Very burdensome, yes.
- 14 Q. Okay. And in fact, based on your
- 15 experience, there's simply going to be some
- 16 overrides that pay absolutely no attention to what
- 17 you send to them?
- 18 A. That's correct.
- 19 Q. Other than a paycheck?
- 20 A. That's correct.
- Q. Okay. Now in this case, keeping that in
- 22 mind, okay, did the company undertake an effort to
- 23 identify and then provide notice of this hearing to
- 24 all of those overriding royalty interest owners so
- 25 if they had an issue they could appear and object?

- 1 years. And prior to that I was with our
- 2 predecessor, Williams, for three years.
- 3 Q. And did your responsibilities throughout
- 4 that time include the San Juan Basin?
- 5 A. It does.
- 6 Q. Mr. West, have you had the opportunity to
- 7 previously testify before this division as an expert
- 8 in petroleum land matters?
- 9 A. I did, back in 2011.
- 10 Q. Given the passage of time, would you just
- 11 review for this examiner your educational
- 12 background?
- 13 A. I graduated from the University of
- 14 Oklahoma in 2008 with an energy management degree
- 15 and a degree in finance.
- 16 Q. And upon graduation did you commence your
- 17 work with Williams?
- 18 A. I did.
- 19 Q. And which then continued with WPX?
- 20 A. That's correct.
- 21 Q. All right. Are you a member of any
- 22 professional organizations?
- A. I am. I'm a member of the AAPL, the TAPL,
- 24 which is the Tulsa Association of Petroleum Landmen,
- 25 and then Four Corners Association for Petroleum

- 1 Landmen.
- Q. And how long have you been a member of all
- 3 three of these professional organizations?
- A. For pretty much the duration of my career.
- 5 Q. So over five years?
- 6 A. Yes.
- 7 Q. Okay. Are you familiar with the
- 8 application filed in this case?
- 9 A. I am.
- 10 Q. And are you familiar with the status of
- 11 the lands in the subject area?
- 12 A. I am.
- 13 MR. FELDEWERT: I would tender Mr. West as
- 14 an expert witness in petroleum land matters.
- 15 HEARING EXAMINER DAWSON: Any objections?
- MR. BRUCE: No, sir.
- 17 HEARING EXAMINER DAWSON: He's so
- 18 admitted.
- 19 Q. (By Mr. Feldewert) Mr. West, did you
- 20 undertake an effort to locate the interest owners
- 21 affected by this particular application?
- 22 A. Yes, we did.
- 23 Q. Okay. If I turn to what's been marked as
- 24 Exhibit Number 3 -- let's use that as an example.
- What different groups of interest owners

- 1 did you seek to identify in connection with this
- 2 application?
- 3 A. We kind of broke it into three separate
- 4 groups.
- 5 One being the governmental agencies that
- 6 are involved within this unit, which are the state
- 7 land office and the BLM.
- 8 The second were the mineral interest
- 9 owners within the group within the CA, which are the
- 10 working interest owners, overriding royalty interest
- 11 owners, and royalty interest owners.
- 12 And then the third being the offsetting
- 13 working interest owners that -- and we went
- 14 640 feet -- I'm sorry -- 640 from the boundary of
- 15 our unit when we noticed the affected owners.
- 16 Q. Okay. So you -- out of an abundance of
- 17 caution, you basically notified all of the affected
- 18 parties in the section surrounding your proposed CA
- 19 boundary?
- 20 A. That's correct.
- Q. Okay. Is there any of the acreage,
- 22 offsetting acreage, that is not subject to a current
- 23 operator or an existing lease?
- A. There's one lease that's a 160-acre BLM
- 25 tract that has been unleased. But we did notify the

- 1 BLM as part of our notice.
- 2 Q. As the mineral owner?
- 3 A. That's correct.
- 4 Q. Okay. All right. And all of the
- 5 remaining 640 acres surrounding your proposed --
- 6 surrounding the CA is subject -- has either an
- 7 operator or an existing lease?
- 8 A. Right.
- 9 Q. And then you were able to identify and
- 10 notify those individuals?
- 11 A. That's correct.
- 12 Q. Okay. If I turn to what's been marked as
- 13 WPX Exhibit 12, is that an affidavit prepared by my
- 14 office providing notice of this hearing to the
- 15 parties that you were -- different groups of parties
- 16 that you were able to notify?
- 17 A. Yes.
- 18 O. And have an address for?
- 19 A. That's correct.
- Q. Okay. And if I look at that and I start
- 21 paging in, the fourth page of that Exhibit F, we
- 22 have notice letters. There is a list of parties.
- 23 Can you walk us through this list and how
- 24 it's broken down?
- 25 A. Well, for starters, we've got the

- 1 overriding royalty interest owners which, if we had
- 2 an address, we either notified the overriding
- 3 royalty interest owner or their designated agent
- 4 that collects their checks.
- 5 Q. How many was within this particular group?
- 6 How many separate interest owners?
- 7 A. 81.
- 8 Q. Okay. And as I page through this
- 9 extensive group, I go -- get to my next group, which
- 10 is what?
- 11 A. I'm sorry. Then we move into the working
- 12 interest owners, which there were two within our
- 13 unit, that we also notified.
- 14 Q. And that was whom?
- 15 A. Manana and Logos Resources.
- 16 Q. And Mr. McQueen testified that the parties
- 17 are in the process of executing a joint operating
- 18 agreement to govern the operations within this
- 19 communitized area?
- 20 A. That's correct. We've circulated the
- 21 agreement and have been working through it to try to
- 22 iron out some of the language issues, specifically
- 23 with Exhibit I, which deals with the existing
- 24 vertical -- or horizontal wells that have been
- 25 drilled within our unit. We hope to have a signed

- 1 agreement within the next three weeks.
- Q. All right. Then if I continue through
- 3 this list, I get to a section that's a list of
- 4 royalty interest owners within the CA. That would
- 5 be a communitization agreement?
- 6 A. That's correct.
- 7 Q. Okay. And then your last group would be
- 8 the operators or lessees in the 640-acre spacing
- 9 units surrounding your communitized area, correct?
- 10 A. Right.
- 11 Q. All right. Now, what efforts did the
- 12 company undertake to find an address for all of
- 13 these affected parties?
- 14 A. We went off of our division order decs,
- 15 which we keep addresses for certain mailout -- our
- 16 division order checks.
- 17 Additionally, the ones that we could not
- 18 locate or did not have an address for we engaged a
- 19 broker to run a search on a search engine to see if
- 20 they could locate the addresses.
- 21 And finally, we did some research online
- 22 to try to identify if we could get an address for
- 23 the parties.
- Q. Despite this effort, was there a small
- 25 group of interest owners that you could not -- for

- 1 which you were unable to locate an address?
- 2 A. That's correct.
- 3 Q. If I -- and what type of interest did they
- 4 represent?
- 5 A. They were all overriding royalty
- 6 interests.
- 7 Q. If I turn to what's been marked as WPX
- 8 Exhibit 13, is this affidavits of publication in two
- 9 separate local newspapers providing notice of this
- 10 hearing?
- 11 A. It is.
- 12 O. And if I look at the ads --
- MR. FELDEWERT: And I apologize,
- 14 Mr. Examiner, they are somewhat hard to read because
- 15 it's the left-hand side and it's darkened.
- 16 Q. (By Mr. Feldewert) But are these
- 17 advertisements directed by name to the overriding
- 18 royalty interests for which you could not locate an
- 19 address?
- 20 A. Yes, they are.
- Q. Were WPX Exhibits 12 and 13 prepared by
- 22 you or compiled under your direction or supervision?
- 23 A. They were.
- 24 MR. FELDEWERT: Mr. Examiner, I would move
- 25 the admission into evidence of WPX Exhibits 12

- 1 through 13.
- 2 HEARING EXAMINER DAWSON: Any objections?
- 3 MR. BRUCE: No objection.
- 4 HEARING EXAMINER DAWSON: They are so
- 5 admitted.
- 6 MR. FELDEWERT: And that concludes my
- 7 examination of this witness.
- 8 HEARING EXAMINER DAWSON: Okay.
- 9 MR. BRUCE: I have no questions of this
- 10 witness, Mr. Examiner.
- 11 HEARING EXAMINER DAWSON: This Exhibit 13,
- 12 for me, is kind of hard to read.
- But you said there was 81 overriding
- 14 royalty interest owners?
- 15 THE WITNESS: Correct.
- 16 HEARING EXAMINER DAWSON: How many of them
- 17 did you -- do you have a number of how many of them
- 18 you could not locate?
- 19 THE WITNESS: I believe there were three
- 20 that we couldn't locate, that we had to serve notice
- 21 by publication.
- MR. FELDEWERT: Mr. Examiner, if you look
- 23 at the second page of that exhibit --
- 24 HEARING EXAMINER DAWSON: Okay.
- MR. FELDEWERT: -- and if you go along the

- 1 dark column about halfway down --
- 2 HEARING EXAMINER DAWSON: Uh-huh.
- 3 MR. FELDEWERT: -- there's a line there
- 4 that says to the heirs and advisees of.
- 5 HEARING EXAMINER DAWSON: Yes.
- 6 MR. FELDEWERT: Okay. That would be -- I
- 7 hope you can read that. That would be -- I
- 8 apologize again for the darkness. But that would
- 9 be --
- 10 HEARING EXAMINER DAWSON: The three?
- 11 MR. FELDEWERT: -- the three, correct.
- 12 HEARING EXAMINER DAWSON: Okay
- 13 Mr. West, did you prepare the
- 14 communitization agreement?
- THE WITNESS: I worked with the BLM, our
- 16 consultant, and also the state land office in
- 17 preparing that communitization agreement.
- 18 HEARING EXAMINER DAWSON: Okay.
- 19 Mr. Feldewert, can you tell me which tab
- 20 it is that the communitization agreement is under?
- MR. FELDEWERT: Exhibit 5.
- 22 HEARING EXAMINER DAWSON: Exhibit 5.
- When I look at this communitization
- 24 agreement, I know that this is a -- this was
- 25 prepared by someone in your staff and typed out by

- 1 someone in your staff?
- THE WITNESS: Actually, we pulled this
- 3 form off the internet. It's a standard form on the
- 4 BLM website. And from there we made some
- 5 modifications to kind of address the issues with
- 6 this larger communitization area, and working with
- 7 the BLM to do so.
- 8 HEARING EXAMINER DAWSON: So is this --
- 9 this communitization agreement here, was it
- 10 exactly -- I mean when I worked for the land office,
- 11 I used to approve communitization agreements. And
- 12 whenever we would have one that somebody had retyped
- 13 or redone, we always had to go through it
- 14 word-for-word --
- 15 THE WITNESS: Okay.
- 16 HEARING EXAMINER DAWSON: -- and compare
- 17 it to our existing communitization agreement.
- And as I was going through this I saw some
- 19 typos and some things that may need to be addressed
- 20 within this communitization agreement.
- 21 Has this been signed by either the BLM or
- 22 the land office?
- 23 THE WITNESS: It has been reviewed by both
- 24 the BLM and the land office and they have given it
- 25 preliminary approval.

- 1 HEARING EXAMINER DAWSON: Preliminary
- 2 approval?
- 3 So when you propose to give them the
- 4 communitization agreement for final approval I would
- 5 just hope that you would go through this agreement
- 6 and look at some of these typos that I've seen in
- 7 the agreement and make sure it's word-for-word.
- 8 THE WITNESS: Okay.
- 9 HEARING EXAMINER DAWSON: Because this --
- 10 is this going to be a -- this could be a
- 11 precedent-setting case, and I just want to make sure
- 12 that this -- you know, everything is correct in the
- 13 typing and the wording in this agreement.
- 14 THE WITNESS: Absolutely.
- 15 HEARING EXAMINER DAWSON: And when I went
- 16 through this and reviewed it with the -- actually, I
- 17 reviewed it with the state land office com
- 18 agreement.
- 19 THE WITNESS: Uh-huh.
- 20 HEARING EXAMINER DAWSON: And I noticed
- 21 that there was some added language within this
- 22 agreement. And for instance Number 7 in here was
- 23 added, which I don't have any problem with it.
- But towards the end of -- I know you don't
- 25 have this -- you have it in front of you, I guess?

- 1 THE WITNESS: I do.
- 2 HEARING EXAMINER DAWSON: I'm just going
- 3 to start at the first. And on the first page under
- 4 "Witness," that first whereas under witness.
- 5 THE WITNESS: Uh-huh.
- 6 HEARING EXAMINER DAWSON: It says "as
- 7 admitted and supplemented authorized."
- 8 That should be "authorizes" on that second
- 9 sentence.
- 10 THE WITNESS: Okay.
- 11 Again, we did take this straight from the
- 12 BLM website, so I didn't make any changes from the
- 13 form that they had.
- I'll go back and double-check to make sure
- 15 that there isn't any discrepancies.
- 16 HEARING EXAMINER DAWSON: You know, I
- 17 think that the BLM's communitization agreement and
- 18 the state land office's communitization agreement
- 19 are very similar in the rough form.
- 20 But yeah, I would just go through this and
- 21 double-check on these typos.
- 22 And then on page 4 -- or I'm sorry.
- Go back to page 3, I'm sorry.
- In the second sentence, the royalties,
- 25 "operating" was taken out on that second, right

- 1 behind royalties.
- THE WITNESS: On the second line?
- 3 HEARING EXAMINER DAWSON: Yeah. There
- 4 is -- on the...
- 5 Skip that last part that I was talking
- 6 about. That's okay.
- 7 On page 4 under Item 7.
- MR. FELDEWERT: At the top of the page,
- 9 Mr. Examiner?
- 10 HEARING EXAMINER DAWSON: Yes, on the top
- 11 of the page.
- The first two sentences it says:
- 13 "The division, as conforming to good
- 14 petroleum engineering practices, provided further
- 15 that such right of withdrawal shall terminate on the
- 16 termination of this" -- it says "unit agreement."
- 17 THE WITNESS: Okay.
- 18 HEARING EXAMINER DAWSON: Shouldn't that
- 19 be "communitization agreement"?
- 20 THE WITNESS: Yeah. What we did is we
- 21 took a provision, at the BLM's request, to take some
- 22 language from this standard exploratory unit
- 23 agreement and put in there.
- So we can change that to communitization
- 25 agreement.

- 1 HEARING EXAMINER DAWSON: Yeah. And then
- 2 going on further down to like the last sentence it
- 3 says "consumed in unit operations."
- 4 THE WITNESS: Okay.
- 5 HEARING EXAMINER DAWSON: So that should
- 6 be "communitization."
- 7 And then going down to Paragraph Number
- 8 11, I'm looking at that. And it says "upon approval
- 9 by the secretary of interior," on the third
- 10 sentence, "or his duly authorized representative."
- 11 But I don't see any language in there -- I
- 12 mean this was some added language that you guys put
- in there. And I don't see any language in there
- 14 after that saying "and the commissioner of public
- 15 lands or his duly authorized representative."
- 16 THE WITNESS: Okay.
- We did not add that language in, so that's
- 18 just from a BLM communitization agreement.
- But we certainly can visit with the state
- 20 land office and the BLM about updating that to
- 21 reflect those.
- 22 HEARING EXAMINER DAWSON: Yes. Because if
- 23 you didn't -- if this was from the BLM language that
- 24 you didn't -- you didn't alter this language in
- 25 here?

- 1 ! THE WITNESS: No.
- 2 HEARING EXAMINER DAWSON: If you look at
- 3 the state land office form, some of this language
- 4 under 11 I would suppose -- I mean it's a little
- 5 different than the one on the state land office
- 6 form. But if both of them have preliminarily agreed
- 7 to this, I mean, it would be fine.
- But my question is, as you go in and
- 9 you're reading that Item 11, or paragraph 11, it
- 10 goes into some of the language that I thought was
- 11 taken out of a shut-in gas royalty provision.
- 12 And my question was, what is -- why is
- 13 there shut-in royalty provisions on this form if
- 14 this is a horizontal oil pool?
- 15 THE WITNESS: Again, we took the model
- 16 form CA. I really tried not to make any changes and
- 17 then ran this by the BLM.
- 18 I mean if there's some recommendation that
- 19 you have that you would like us to put into this,
- 20 we'll certainly...
- 21 HEARING EXAMINER DAWSON: When I saw that
- 22 shut-in royalty language on here it kind of made me
- 23 wonder why you have shut-in royalty language when
- 24 there's no shut-in royalties attributed to any oil
- 25 wells in the state of New Mexico.

- 1 | So again, I would just make sure that the
- 2 land office and the BLM are in agreement in how this
- 3 is typed up, and you can go through it and make
- 4 sure, you know, that all the typos and stuff are
- 5 fixed within the agreement.
- 6 THE WITNESS: Okay.
- 7 HEARING EXAMINER DAWSON: And then going
- 8 further in 11, on the -- at the end of it, it talks
- 9 about lands owned by the State of New Mexico.
- 10 "There shall be no cessation of more than
- 11 20 consecutive days."
- MR. FELDEWERT: You're on page 5,
- 13 Mr. Examiner?
- 14 HEARING EXAMINER DAWSON: Yes. I'm sorry.
- 15 The top of page 5 under paragraph 11 about the -- it
- 16 starts about the third line down.
- 17 That, again was from the federal?
- 18 THE WITNESS: Uh-huh.
- 19 HEARING EXAMINER DAWSON: I mean, because
- 20 this says the State of New Mexico. So this is the
- 21 kind of language that I see when I'm looking at an
- 22 oil and gas lease, of paragraph 14 of the lease
- 23 agreements for the state -- for the state land
- 24 office lease language.
- 25 And I suppose that if the BLM and the land

- 1 office are okay with this, then it looks fine with
- 2 me.
- But again, I would just go ahead and
- 4 reiterate to look at that closer and make sure that
- 5 there's no typos or anything on it.
- 6 THE WITNESS: Okay. Will do.
- 7 HEARING EXAMINER DAWSON: Otherwise, I
- 8 don't have any more questions for you.
- 9 Do you have any questions, Mr. Bruce?
- 10 MR. BRUCE: No, sir.
- 11 HEARING EXAMINER DAWSON: Okay. You may
- 12 be excused. Thank you.
- 13 THE WITNESS: Thank you.
- 14 MR. FELDEWERT: Mr. Examiner, I will call
- 15 our last witness.
- 16 HEARING EXAMINER DAWSON: Okay
- 17 AMY RICHARDSON,
- 18 after having been first duly sworn under oath,
- 19 was questioned and testified as follows:
- 20 EXAMINATION
- 21 BY MR. FELDEWERT:
- 22 Q. Would you please state your name, identify
- 23 by whom you're employed, and in what capacity?
- 24 A. My name is Amy Marie Richardson. I'm
- 25 employed by WPX Energy. And my title is geology

- 1 manager of the Appalachian and San Juan assets.
- 2 Q. And how long have you been working for WPX
- 3 in the San Juan Basin?
- 4 A. I've worked for WPX in the San Juan Basin
- 5 for a little over two years.
- 6 Q. And have you had the opportunity,
- 7 Ms. Richardson, to previously testify before this
- 8 division as an expert witness in petroleum geology?
- 9 A. I have not.
- 10 Q. Would you please provide a summary of your
- 11 educational background to the examiners, please?
- 12 A. Yes. I have a bachelor's degree in
- 13 geology from Kansas State University, that I
- 14 received in 1995, and a master's degree in geology
- 15 from the University of Tulsa, that I received in
- 16 1999.
- 17 Q. And what has been your work history since
- 18 you obtained your master's in 1999?
- 19 A. Actually, after I finished my coursework I
- 20 began working as a petroleum geologist. I worked
- 21 for Vintage Petroleum for six years as a geologist,
- 22 and then for Samson Resources as a petroleum
- 23 geologist for seven years, and then the last two
- 24 years at WPX.
- Q. When you were working for Samson, did your

- 1 responsibilities at some point also include the
- 2 San Juan Basin?
- 3 A. They did not.
- 4 Q. Okay. But -- and so your work in the
- 5 San Juan Basin commenced with WPX?
- 6 A. Yes.
- 7 Q. And are you a member of any professional
- 8 organizations?
- 9 A. Yes. I'm a member of the American
- 10 Association of Petroleum Geologists, the Tulsa
- 11 Geologic Society, and then more recently the Rocky
- 12 Mountain Association of Geologists, and the Four
- 13 Corners Geologic Society.
- 14 Q. How long have you been a member of the
- 15 American Association of Petroleum Geologists?
- 16 A. I've been a member since I was an
- 17 undergraduate student, so since the mid '90s.
- 18 Q. And the same thing with respect to the
- 19 Tulsa Geologic Society?
- 20 A. Since I was a graduate student, so late
- 21 '90s.
- Q. Okay. Are you familiar with the
- 23 application that has been filed in this case?
- 24 A. I am.
- 25 Q. Have you conducted a geologic study of the

- 1 area that is the subject of this application?
- 2 A. I have.
- 3 MR. FELDEWERT: Mr. Examiner, I would
- 4 tender Ms. Richardson as an expert witness in
- 5 petroleum geology.
- 6 HEARING EXAMINER DAWSON: Any objection?
- 7 MR. BRUCE: No objection.
- 8 HEARING EXAMINER DAWSON: She is so
- 9 admitted.
- 10 Q. (By Mr. Feldewert) Ms. Richardson, are
- 11 you familiar with the horizon that is being -- that
- 12 has been -- or being communitized under the
- 13 communitization agreement?
- 14 A. I am.
- 15 O. And what is that?
- 16 A. We're looking at the Mancos interval. And
- 17 the top of it we'll define as the top of the Mancos,
- 18 and the base of our interval is the top of the
- 19 Greenhorn limestone.
- Q. If I will turn to what's been marked as
- 21 WPX Exhibit 14, does this identify the interval
- 22 subject to the communitization agreement?
- 23 A. It does. This is the log from the
- 24 Rincon 20 well, which is inside the project area,
- 25 and it covers an entire interval.

- 1 And you can see the black arrow indicates
- 2 the project interval extending from the top of the
- 3 Mancos to the top of the Greenhorn limestone.
- 4 And also on the log we've marked with a
- 5 red arrow sort of our current target interval.
- 6 Q. Now, this particular pipe log, is this the
- 7 one that's actually referenced in the
- 8 communitization agreement?
- 9 A. It is. This is the well log and the top
- 10 set I referenced in the CA.
- 11 Q. And if I -- and just by reference, if we
- 12 return to Exhibit Number 5, on page 2, that's where
- 13 it identifies the pipe log, and this is the actual
- 14 pipe log that is referenced, correct?
- 15 A. Right.
- 16 Q. Have you prepared any structure maps for
- 17 this project interval?
- 18 A. I have. I've prepared two that I brought
- 19 today.
- 20 One is on the top of the -- the top of the
- 21 interval, so the top of the Mancos.
- 22 And then the second one is at the base of
- 23 the interval at the top of the Greenhorn limestone.
- 24 O. And if I turn to what's been marked as WPX
- 25 Exhibit Number 15, is this the -- one of your two

- 1 structure maps?
- A. Yes. This is the one at the top of the
- 3 interval, at the top of the Mancos formation.
- 4 O. What does this show us?
- 5 A. Basically, the contour lines on here show
- 6 us that the structure is dipping down to the
- 7 northeast and up towards the southwest.
- 8 And the wells are all -- on here -- are
- 9 all wells that have either been drilled or permitted
- 10 in the area. And if they have a red number near the
- 11 well name, that's an actual data point for the top
- 12 of the Mancos. So you can sort of see our data and
- 13 distribution in the area.
- 14 Q. You have a fairly extensive dataset here,
- 15 correct?
- 16 A. There is for the top of the Mancos, yes.
- 17 Most of the wells were drilled to produce from the
- 18 Gallup Mancos interval.
- 19 Q. Now, there are two lines that cut across
- 20 here. One is green and one is blue.
- 21 What do they reflect?
- 22 A. The green line, A to A prime, reflects a
- 23 cross-section that we've also submitted.
- 24 And the blue line, B to B prime, is --
- 25 represents another cross-section we have also

- 1 submitted.
- Q. And we'll be reviewing those shortly?
- 3 A. Yes.
- 4 Q. Okay. If I then turn to what's been
- 5 marked as WPX Exhibit Number 16, is this another
- 6 structure map?
- 7 A. This is. This is the second structure map
- 8 at the base of our project interval, or the top of
- 9 the Greenhorn limestone.
- There, the tops of the Greenhorn are noted
- in green lettering on here. And there are not
- 12 terribly many -- I think I counted yesterday about
- 13 three or four wells within the CA area that actually
- 14 reached the Greenhorn.
- There are other wells surrounding it,
- 16 though, that do. But you can see the structure is
- 17 relatively similar to the top of the Mancos going
- 18 downdip to the northeast and updip to the southwest.
- 19 Q. And then again, it shows your
- 20 cross-section A to A prime and B to B prime?
- 21 A. Yes.
- Q. Do you observe any geologic impediments
- 23 within this communitized area that would prevent
- 24 effective development by horizontal wells?
- 25 A. I don't. The structure is relatively

- 1 predictable and gentle, and there's no major faults
- 2 or pinch-outs in the area.
- Q. Okay. Now with that, then, I'm going to
- 4 turn to the two cross-section maps that we have
- 5 developed.
- 6 MR. FELDEWERT: And, Mr. Examiner, we have
- 7 tried to create a smaller version of this but we
- 8 just couldn't capture it.
- 9 So I don't know if you both want to pull
- 10 out your maps. They are fairly large, or you could
- 11 just share one.
- 12 HEARING EXAMINER DAWSON: We can share
- 13 one.
- Q. (By Mr. Feldewert) So let's go over the
- 15 first one first.
- 16 This one is marked as WPX Exhibit
- 17 Number 17. Is that right, Ms. Richardson?
- 18 A. Yes. And this is cross-section A to A
- 19 prime. So A is in the south, and it extends to the
- 20 north of A prime, and this extends through the
- 21 entire CA area.
- 22 And the Rincon 20, which is that pipe
- 23 well, is on this cross-section. It's the fourth
- 24 well from that --
- Q. Let me stop you there for a minute,

- 1 because we were all rustling around with papers.
- 2 This corresponds to your cross-section A
- 3 to A prime, which was the green line on your
- 4 structure map, correct?
- 5 A. Yes. It's the line that -- and again, it
- 6 extends from the south of the CA area up to the
- 7 north.
- 8 Q. Okay. And then you mentioned that there
- 9 was a Rincon pipe log on here.
- 10 Is that the one we previously reviewed
- 11 that is referenced in the communitization agreement?
- 12 A. Yes, it is.
- 13 O. And which well is that?
- 14 A. It's the fourth well from the left on the
- 15 cross-section.
- Q. And that's the one that penetrates the top
- 17 of the Greenhorn?
- 18 A. Right. So again, we've marked the entire
- 19 project interval with a black arrow on here, which
- 20 is the top of the Mancos to the top of the
- 21 Greenhorn.
- 22 Q. And then I think you also identified on
- 23 here your initial target interval?
- 24 A. Yes. The two red lines and the red arrow
- 25 illustrate our gross target interval for the area.

- 1 This is, again, kind of our current target.
- 2 The blue lines on here are just other
- 3 correlation lines that I've made through the area.
- 4 And you can see that the stratigraphy is relatively
- 5 uniform throughout the CA, and there are not any
- 6 major -- any major changes, any major pinch-outs or
- 7 faults.
- 8 Q. How did you -- how did the company choose
- 9 its initial targeting?
- 10 A. We really looked at where the porosity
- 11 existed in the existing vertical wells and where
- 12 they were completed, but really centered on what we
- 13 thought we could drill with one lateral and produce
- 14 with a single lateral.
- Q. Where is the porosity reflected on these
- 16 cross-sections?
- 17 A. In the third tract there's a red line
- 18 that's the density porosity on the sandstone matrix,
- 19 and it's been shaded in greater than 5 percent, I
- 20 believe, as peak. And that illustrates, again,
- 21 where there is porosity.
- 22 Q. Anything else about this particular
- 23 cross-section?
- A. No, I don't believe so. It does -- it is
- 25 a structural cross-section, so it does illustrate

- 1 how the formation is going downdip to the north.
- Q. And then, let's see. This one was south
- 3 to north. I believe you had, then, a cross-section
- 4 B to B prime that goes from west to east?
- 5 A. Yes.
- 6 Q. So let's pull that one out. That's been
- 7 marked as WPX Exhibit Number 18?
- 8 A. Yes.
- 9 Q. Okay. Why don't you give us a minute to
- 10 pull that out.
- 11 A. Okay.
- 12 Q. So this would correspond to the blue line
- on your structure maps?
- 14 A. Yes. This coincides with the B to B prime
- 15 on the structure maps.
- 16 Q. Okay.
- A. And again, just looking at some of the
- 18 wells in -- the vertical wells in the CA area. It
- 19 again has the Rincon 20 on the left-hand side, which
- 20 is our pipe well log -- pipe log well. And again,
- 21 it penetrates the entire interval.
- The other wells on the cross-section do
- 23 not go all the way down to the Greenhorn.
- 24 But you can see how the stratigraphy,
- 25 again, appears to be very regular and correlatable

- 1 across the area, and how our target continues to
- 2 exist across the area.
- 3 Q. And in fact, on both of these maps you
- 4 were able to get an update of the map of your --
- 5 your target interval across the area, correct?
- 6 A. Yes, I did.
- Q. Okay. And you have similarly, as in the
- 8 prior maps, you have these blue correlation lines?
- 9 A. Right. So again, the top and the base of
- 10 the interval are marked with black lines, the main
- 11 target interval with red.
- 12 And then there's just some other
- 13 correlation mark points marked with blue lines.
- Q. Ms. Richardson, what conclusions have you
- 15 reached from your analysis?
- A. Actually, that the stratigraphy through
- 17 the whole CA is very regular. I don't see any major
- 18 faults or pinch-outs that would be an impediment to
- 19 horizontal drilling as a way to reach this resource.
- 20 Q. In your opinion, will the approval of this
- 21 area as a single project area for horizontal
- 22 development allow for the most efficient well
- 23 patterns to develop the underlying reserves?
- 24 A. Yes, I believe so. I think with the
- 25 communitization area we will be able to take better

- 1 advantage of any natural fracture orientations or
- 2 any other geologic influences to -- to most
- 3 efficiently develop this resource.
- 4 Q. In your opinion as an expert in petroleum
- 5 geology, will approval of this application be in the
- 6 best interest of conservation and prevention of
- 7 waste and protection of correlative rights?
- 8 A. Yes, I believe so.
- 9 Q. Were WPX Exhibits 14 through 18 prepared
- 10 by you or compiled under your direction and
- 11 supervision?
- 12 A. Yes, they were.
- MR. FELDEWERT: Mr. Examiner, I would move
- 14 the admission into evidence of WPX Exhibits 14
- 15 through 18.
- 16 HEARING EXAMINER DAWSON: Any objection?
- MR. BRUCE: No objection.
- 18 HEARING EXAMINER DAWSON: They are so
- 19 admitted.
- 20 MR. FELDEWERT: That concludes my
- 21 examination of this witness.
- 22 HEARING EXAMINER DAWSON: Okay.
- Do you have any questions, Mr. Bruce?
- MR. BRUCE: Just one or two for
- 25 Ms. Richardson.

- EXAMINATION
- 2 BY MR. BRUCE:
- 3 Q. On your cross-section -- we'll use the
- 4 last exhibit so that there's no rustling of papers
- 5 here. You have the gross target interval.
- 6 Do you see any potential to develop
- 7 horizontal wells outside of the current gross target
- 8 interval?
- 9 A. I do see some potential. I have to say
- 10 it's not as great. For the most part, there's other
- 11 horizons that have lower porosity and
- 12 permeabilities, we believe. But I would not rule
- 13 that out. You know in the future, we may find
- 14 better techniques to develop that.
- 15 MR. BRUCE: That's all I have.
- 16 Thank you.
- 17 HEARING EXAMINER DAWSON: Thank you.
- 18 So if you do see some potential outside
- 19 the target area of those three zones, how do you --
- 20 what do you anticipate -- at that time, how will you
- 21 address that situation? Will those be just on a --
- 22 will they be on a leased basis, since they are
- 23 outside the target area?
- 24 THE WITNESS: They are within our -- still
- 25 within our project interval. So I think what we

- 1 would do would be to just go back and drill a second
- 2 or third lateral at a different -- in a different
- 3 horizon. So it would be a stacked lateral type of
- 4 situation.
- 5 HEARING EXAMINER DAWSON: The way I look
- 6 at these cross-sections, and I see the Rincon 20
- 7 well on this cross-section --
- THE WITNESS: Uh-huh.
- 9 HEARING EXAMINER DAWSON: -- is that a gas
- 10 well? Because it has a gas symbol above it, or
- 11 maybe that's the zone.
- 12 THE WITNESS: It's been classified as a
- 13 gas well. The Rincon 20 -- again; I chose it
- 14 because it extended all the way through this
- interval, but it's actually a Dakota producing well.
- 16 HEARING EXAMINER DAWSON: Okay.
- 17 On the planned horizontal wells that
- 18 you're going to drill that are on the list
- 19 identified in the previous exhibit -- I believe it
- 20 was Number 6.
- 21 The wells that you are planning on
- 22 drilling within the super CA area, are they -- are
- 23 you going to drill a pilot hole to the Greenhorn on
- 24 those wells, or are you going to just probably drill
- 25 down beneath the target interval?

- 1 THE WITNESS: We've not drilled a pilot
- 2 hole all the way to the Greenhorn to date, and I
- 3 don't have one planned at this time. Right now
- 4 we're just planning to drill to develop that target
- 5 interval.
- 6 HEARING EXAMINER DAWSON: Okay.
- 7 And the porosity in most of those wells
- 8 was 3 to 6 percent, roughly in that range?
- 9 THE WITNESS: Actually, the porosity in
- 10 our target ranges from probably 3 to 10 or
- 11 12 percent on the -- on the upper side.
- We have an average porosity usually around
- 13 3 percent or so, for what we consider as, you know,
- 14 the best quality reservoir.
- 15 HEARING EXAMINER DAWSON: On the Rincon 20
- 16 well --
- 17 THE WITNESS: Uh-huh.
- 18 HEARING EXAMINER DAWSON: -- on either one
- 19 of these cross-sections I don't see the perforated
- 20 interval on it.
- 21 THE WITNESS: Again, the Rincon 20 --
- 22 again, I selected it because it was a nice complete
- 23 log through the entire project interval, but it was
- 24 not completed in the Gallup. It's actually a Dakota
- 25 well.

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25

recompleting those?

- 1 THE WITNESS: No. We've already -- we've
- 2 already set a plug or whipstock and drilled a
- 3 lateral from those pilot holes.
- 4 HEARING EXAMINER DAWSON: That is why you
- 5 have the H on there, I suppose. So...
- 6 Okay. From what I can tell from these
- 7 cross-sections, it does appear that that productive
- 8 interval is throughout the entire com agreement --
- 9 proposed super com agreement area.
- 10 Do you know what you guys are planning on
- 11 naming this com agreement? Is it going to have --
- 12 are you going to put a name on it or do you have
- 13 that figured out yet? What will it be?
- 14 THE WITNESS: Northeast Chaco CA.
- 15 HEARING EXAMINER DAWSON: Okay.
- Any more questions?
- No questions?
- 18 That should -- that pretty much concludes
- 19 the hearing process.
- You can be excused. Thank you.
- 21 Does Counsel want to provide any kind of a
- 22 closing statement or do you have anything else to
- 23 add, Mr. Feldewert?
- 24 MR. FELDEWERT: No. The only thing I
- 25 would add, Mr. Examiner, I think in terms of the

- 1 analysis, given what has been discussed here today,
- 2 I mean certainly with the first aspect of the
- 3 application that's needed from the division is
- 4 approval of the communitized area as -- a
- 5 recognition of that as a project area. That's
- 6 really what we're seeking from the division here.
- 7 You know the CA, its form and whatnot, is
- 8 controlled by the BLM and the state land office.
- 9 From the division's perspective, we
- 10 need -- what we need to know is an order that
- 11 approves the CA as a single project area, which
- 12 allows the company, then, to orient their wells.
- 13 From that point, I think the issues, you
- 14 know, are really determined by how the division
- 15 would want to proceed with respect to the existing
- 16 pool or the new pool.
- I would think that if the division does
- 18 proceed to create a new oil pool for horizontal
- 19 development, that really the issue associated with
- 20 the commingling is -- goes away, because that's no
- 21 longer needed.
- 22 And then depending upon what rules you
- 23 would adopt for that oil pool -- for example, if it
- 24 follows the statewide rules, then really our request
- 25 for, you know, 330 from the outer boundaries in the

- 1 portion that's affected goes away.
- 2 And then the only relief, then, comes in
- 3 the form of allowing, you know, to locate the wells
- 4 anywhere within the CA.
- 5 So that's kind of how I see the analytical
- 6 process moving forward. And so I think a lot of
- 7 what the -- of what the order would constitute
- 8 depends on how the division would want to proceed
- 9 with respect to the -- you know, the creation of a
- 10 new pool for purposes of dealing with some of the
- 11 reporting issues that arise.
- 12 HEARING EXAMINER DAWSON: Okay.
- Can you please provide us a draft order
- 14 with the conclusions and finings within two weeks
- 15 from this date?
- MR. FELDEWERT: Certainly.
- 17 HEARING EXAMINER DAWSON: Do you
- 18 anticipate providing --
- MR. BRUCE: No, sir.
- 20 HEARING EXAMINER DAWSON: -- any kind
- 21 of -- okay.
- MR. FELDEWERT: I guess, Mr. Examiner, I
- 23 think perhaps in terms of structuring the order, I
- 24 assume you would want me to initially draft it
- 25 dealing with all three requests.

1	Page 101
1	And then if the division decides to
2	proceed with a new pool it could take out whatever
3	it would deem appropriate at that point from the .
4	draft order.
5	HEARING EXAMINER DAWSON: We would, yes.
6	So that concludes this case. It will be
7	taken under advisement, and that will conclude this
8	hearing.
9	Thank you very much.
10	(Proceedings concluded.)
11	
12	
13	
14	I do hereby certify that the foregoing n
15	the Examiner hearing of Case No.
16	heard by me on
17	Oil Conservation Division
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24	
25	

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1	CERTIFICATE
2	
3	I, Paul Baca, RPR, CCR in and for the
4	State of New Mexico, do hereby certify that the
5	above and foregoing contains a true and correct
6	record, produced to the best of my ability via
7	machine shorthand and computer-aided transcription,
8	of the proceedings had in this matter.
9	
10	Day A Baca
11	PAUL BACA, RPR, CCR
12	Certified Court Reporter #112 License Expires: 12-31-14
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