	Page 1
1	STATE OF NEW MEXICO
2	ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION
3	IN THE MATTER OF THE HEARING CALLED
. 4	BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING:
5	APPLICATION OF COG OPERATING, Case 15282 ORIGINAL LLC, for a nonstandard spacing
6	LLC, for a nonstandard spacing $\bigcup K \bigcup \bigcup K \bigcup \bigcup K \bigcup $
7	pooling, Eddy County, New Mexico
8	APPLICATION OF COG OPERATING, Case 15283
9	LLC, for a nonstandard spacing and proration unit and compulsory
10	pooling, Eddy County, New Mexico
11	TRANSCRIPT OF PROCEEDINGS
12	TRANSCRIPT OF PROCEEDINGS
13	BEFORE: MICHAEL McMILLAN, Hearing Examiner
14	GABRIEL WADE, Legal Examiner
15	April 2, 2015 = 0
16	Santa Fe, New Mexico
17	This matter came on for hearing before the New
18	Mexico Oil Conservation Division, MICHAEL McMILLAN,
19	Hearing Examiner, and GABRIEL WADE, Legal Examiner,
20	on Thursday, April 2, 2015, in Santa Fe, New Mexico.
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22	
23	REPORTED BY: PAUL BACA, CCR #112  PAUL BACA COURT REPORTERS
24	500 4th Street, NW, Suite 105
25	Albuquerque, New Mexico 87102

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1	APPEARANCES	
2	For the Applicant:	
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7		
8	I N D E X	
9	WITNESS:	PAGE:
10	DYLAN C. PARK	
11	Examination by Mr. Feldewert	4
12	GREG CLARK	
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- 1 HEARING EXAMINER McMILLAN: I would like
- 2 to call Case Number 15282, application of COG
- 3 Operating, LLC, for nonstandard spacing and
- 4 proration unit and compulsory pooling, Eddy County,
- 5 New Mexico.
- 6 Call for appearances.
- 7 MR. FELDEWERT: May it please the
- 8 Examiner.
- 9 Michael Feldewert with the Santa Fe office
- 10 of Holland & Hart appearing on behalf of the
- 11 applicant.
- In our prehearing statements we ask that
- 13 this case be consolidated for hearing with the next
- 14 case on the docket.
- I can't find my docket sheet. I can't
- 16 identify that case, but there's two cases remaining
- on your docket in our prehearing statement request.
- 18 HEARING EXAMINER McMILLAN: Okay. Thank
- 19 you.
- MR. FELDEWERT: We would ask that this
- 21 case be consolidated with Case Number 15283.
- 22 HEARING EXAMINER McMILLAN: Okav. Case
- 23 Number 15282 and Case Number 15283, application of
- 24 COG Operating, LLC, for a nonstandard spacing and
- 25 proration unit and compulsory pooling, Eddy County,

- 1 New Mexico, will be consolidated for hearing
- 2 purpose, but separate orders will be issued.
- 3 MR. FELDEWERT: Mr. Examiner, I have two
- 4 witnesses.
- 5 HEARING EXAMINER McMILLAN: Okay.
- 6 MR. FELDEWERT: One of which has not
- 7 previously been sworn.
- 8 DYLAN C. PARK,
- 9 after having been first duly sworn under oath,
- 10 was questioned and testified as follows:
- 11 EXAMINATION
- 12 BY MR. FELDEWERT:
- Q. Would you please state your name, identify
- 14 by whom you are employed, and in what capacity?
- 15 A. My name is Dylan Park. I work for COG
- 16 Operating, LLC, as a petroleum landman.
- 17 Q. And how long, Mr. Park, have you been a
- 18 petroleum landman with the company?
- 19 A. I've been with the company about eight
- 20 months.
- 21 Q. And prior to that who did you work for?
- 22 A. Apache Corporation.
- O. As a landman?
- 24 A. Yes, sir.
- Q. And how long were you with Apache?

- 1 A. Approximately six years.
- Q. And did your responsibilities include the
- 3 Permian Basin?
- 4 A. Yes, they did.
- 5 Q. Have you had the opportunity, Mr. Park, to
- 6 previously testify before this division?
- 7 A. Yes, I have.
- Q. And were your credentials as an expert in
- 9 petroleum land matters accepted and made a matter of
- 10 public record?
- 11 A. Yes, sir, they were.
- 12 Q. Are you familiar, Mr. Park, with the
- 13 applications that have been filed with these
- 14 consolidated cases?
- 15 A. Yes, I am.
- 16 Q. And are you familiar with the status of
- 17 the lands in the subject area?
- 18 A. Yes, I am.
- 19 Q. If I then turn, Mr. Park, to what's been
- 20 marked as --
- 21 MR. FELDEWERT: I'm sorry. Let me step
- 22 back.
- I would like to tender Mr. Park as an
- 24 expert witness in petroleum land matters.
- 25 HEARING EXAMINER McMILLAN: So accepted.

- 1 Q. (By Mr. Feldewert) With that said,
- 2 Mr. Park, if you'll turn to what has been marked as
- 3 COG Exhibit Number 1.
- 4 A. (Witness complies.)
- 5 O. This contains two C-102 forms.
- 6 Is that correct?
- 7 A. That is correct.
- 8 O. Does it -- there's one for the 1H well and
- 9 a second one for the 2H well?
- 10 A. That is correct.
- 11 Q. And this acreage involves the south half
- 12 of Section 27?
- 13 A. Yes, sir.
- Q. Okay. What is the -- what is -- what does
- 15 the company seek under these two consolidated cases?
- A. We're seeking an order creating two
- 17 separate 160-acre nonstandard spacing units. We're
- 18 also seeking to pool the uncommitted working
- interest owners from the top of the Yeso down to
- 20 4,000 feet.
- 21 And we're also seeking for COG Operating,
- 22 LLC, to be named the operator.
- O. Okay. Now in this south half of
- 24 Section 27, do we have depth severance issues in the
- 25 Yeso formation?

- 1 A. Yes, we do.
- 2 Q. And does the company actually own, in the
- 3 Yeso formation, down to 4,000 feet?
- 4 A. Yes.
- 5 Q. And is that why you are seeking to pool
- 6 for both of these wells only from the top of the
- 7 Yeso down to 4,000 feet?
- 8 A. That is correct.
- 9 Q. Does Exhibit Number 1 provide the Examiner
- 10 with the pool code for this particular acreage?
- 11 A. Yes, they do.
- 12 Q. And does it likewise provide an API number
- 13 for each of the initial wells in the two proposed
- 14 spacing units?
- 15 A. That is correct.
- 16 O. And does this -- do both of these
- 17 exhibits -- are both of these documents comprising
- 18 Exhibit Number 1, do they reflect that the completed
- interval of both of these wells will comply with the
- 20 division setback requirements?
- 21 A. Yes, they do.
- 22 O. Is the south half of Section 27 all state
- 23 lands?
- 24 A. That is correct.
- 25 O. If I then turn to what's been marked as

- 1 COG Exhibits Number 2 and Number 3, do they identify
- 2 the working interest owners in the south half of
- 3 Section 27?
- A. Yes, they do.
- 5 Q. If I first turn to what's been marked as
- 6 COG Exhibit Number 2, which well does this relate
- 7 to?
- 8 A. This is the Halberd 27 State Com 1H.
- 9 Q. Okay. Is that for the south half of the
- 10 south half of the section?
- 11 A. Yes, sir. That's correct.
- 12 Q. How have you broken out the ownership for
- 13 the Examiner in both of these COG exhibits, Number 2
- 14 and 3?
- 15 A. I've shown the parties' interests at the
- 16 tract level, and then also their interest within the
- 17 unit.
- 18 Q. Okay. If I, for example, turn to COG
- 19 Exhibit Number 2 and I go to the second page, I see
- 20 a number of parties listed for the -- what you have
- 21 identified as Tract 2?
- 22 A. Yes, sir.
- Q. Okay. And that carries over onto the last
- 24 page of Exhibit Number 2?
- 25 A. Yes, sir.

- 1 Q. And then you likewise show an interest
- 2 owner in the Tract 3?
- A. Correct.
- 4 Q. What is the significance of the
- 5 highlighting in yellow?
- 6 A. Those are the parties we're seeking to
- 7 pool.
- 8 Q. Okay. And if I'm trying to ascertain the
- 9 percentage interest that these parties have in the
- 10 proposed basin unit, where would I find that on this
- 11 Exhibit Number 2?
- 12 A. It's the right two columns on the exhibit,
- 13 the unit net working interest and the unit net
- 14 revenue interest.
- 15 Q. Okay. And you've done the same thing,
- 16 then, for COG Exhibit Number 3 for the north half of
- 17 the south half of Section 27?
- 18 A. That is correct.
- 19 Q. You have -- I'm looking at the second
- 20 page. You have fewer interest owners, correct?
- 21 A. Yes, sir. That's correct.
- 22 Q. All right. Has the company been able to
- 23 locate all of the interest owners?
- A. No, we have not.
- Q. Okay. Is that the case for both spacing

- 1 units or just for one?
- 2 A. That's the case just for the 1H.
- 3 Q. The 1H, which would correspond with
- 4 Exhibit Number 2?
- 5 A. That's correct.
- 6 Q. Okay. What efforts did the company
- 7 undertake to locate all of the interest owners in
- 8 the -- in the south half of the south half of
- 9 Section 27?
- 10 A. We searched our internal records to see if
- 11 the parties may be in pay on another well. In that
- 12 case we would have their address.
- But if we did not, we searched public
- 14 records, we use people find software. We also talk
- 15 to relatives to try and locate the parties.
- 16 Q. Okay. If I then turn to what's been
- 17 marked as COG Exhibit Number 4, is this the
- 18 affidavit of publication in a newspaper, directed by
- 19 name, each of the interest owners in the south half
- 20 of the south half of Section 27 that the company has
- 21 been unable to locate?
- 22 A. That is correct.
- 23 Q. And it advises those parties of the
- 24 hearing here today?
- 25 A. Yes, sir.

- 1 Q. Okay. Then turning to the parties that
- 2 you have been -- or were able to locate in both of
- 3 these spacing units, if I turn to what's been marked
- 4 as COG Exhibit Number 5, is that the well proposal
- 5 letter that was sent to the interest owners in the
- 6 south half of the south half of Section 27?
- 7 A. That is correct.
- 8 Q. Okay. And if I then turn to what's been
- 9 marked as COG Exhibit Number 6, is that a copy of
- 10 the well proposal letter that was sent to the
- 11 interest owners in the north half of the south half
- 12 of Section 27?
- 13 A. That is correct.
- 14 Q. Did both of these well proposal letters
- 15 that went out contain an AFE?
- 16 A. Yes, they did.
- 17 Q. And the cost for both of these wells was
- 18 the same, correct?
- 19 A. That is correct.
- Q. And the costs that are reflected on these
- 21 two AFEs, are they consistent with what the company
- 22 has incurred for drilling similar horizontal wells
- 23 in the area?
- 24 A. Yes, they are.
- 25 Q. Now aside from these two letters that have

- 1 been marked as COG Exhibits Number 5 and 6, what
- 2 additional efforts did the company undertake to
- 3 reach a voluntary agreement with the parties that
- 4 they were able to locate?
- 5 A. For those parties that I was able to
- 6 locate, I've spoken to every party either by e-mail
- 7 or telephone conversation explaining the proposal in
- 8 the JOA and inviting their participation in the
- 9 proposal.
- 10 Q. Okay. If I stay with Exhibit Number 6,
- 11 and I look at the first page of that exhibit about
- 12 halfway down, does that identify the estimated
- 13 overhead and administrative costs while drilling
- 14 this well, and also while producing, if you were
- 15 successful?
- 16 A. Yes, it does.
- 17 Q. And what are those figures?
- 18 A. 7,000 for drilling and 700 for producing.
- 19 Q. Okay. Now these particular overhead
- 20 rates, are there parties in these spacing units that
- 21 have, indeed, executed a joint operating agreement
- 22 for the development of this area?
- 23 A. Yes, sir, there are.
- Q. And are these 7,000 per month while
- 25 drilling and 700 per month while producing, are

- 1 those rates consistent with what the parties have
- 2 agreed to that have executed the joint operating
- 3 agreement?
- 4 A. That is correct.
- 5 Q. Okay. And that way, these rates will
- 6 be -- and the pooling order will be consistent with
- 7 the rates in the JOA if they were accepted by the
- 8 division?
- 9 A. Correct.
- 10 Q. In the course of preparing for this
- 11 hearing, did the company identify the operators in
- 12 the 40-acre tracts surrounding each of the proposed
- 13 nonstandard spacing unit?
- 14 A. Yes, we did.
- 15 Q. And did the company include notice of this
- 16 hearing to these affected parties as well as the
- 17 parties that you seek to pool?
- 18 A. Yes, sir, we did.
- 19 O. If I turn to what's been marked as COG
- 20 Exhibits Number 7 and then Number 8, is that -- are
- 21 those affidavits that were prepared by my office
- 22 providing notice of the hearing in these two cases
- 23 to these affected parties?
- 24 A. Yes, they are.
- 25 Q. Mr. Park, were COG Exhibits 1 through 6

- 1 prepared by you or compiled under your direction or
- 2 supervision?
- 3 A. Yes, sir, they were.
- 4 MR. FELDEWERT: Mr. Examiner, I would move
- 5 the admission into evidence of COG Exhibits 1
- 6 through 8, which includes my two affidavits.
- 7 HEARING EXAMINER McMILLAN: Okay.
- 8 Exhibits 1 through 8 may be accepted as part of the
- 9 record.
- 10 MR. FELDEWERT: And that concludes my
- 11 examination of this witness.
- 12 HEARING EXAMINER McMILLAN: Okay. Here's
- 13 my question.
- When I look at case 15281, which is a Yeso
- 15 test, you're asking for 6,000 and 600.
- 16 Isn't that correct?
- 17 MR. FELDEWERT: In the prior case that's
- 18 correct, Mr. Examiner.
- 19 HEARING EXAMINER McMILLAN: Yes. Is that
- 20 true?
- 21 MR. FELDEWERT: That is true.
- 22 HEARING EXAMINER McMILLAN: Now, what --
- 23 why should we grant you a higher drilling and
- 24 overhead rate when it's the same geologic formation?
- 25 MR. FELDEWERT: I think, Mr. Examiner, the

- 1 prior case -- the rates in that particular matter
- 2 are reflective of the agreements that have already
- 3 been in place for that acreage, because there's
- 4 other development in that particular case.
- 5 HEARING EXAMINER McMILLAN: Yes, but you
- 6 haven't answered my question. That is fine.
- 7 But what geologic or engineering
- 8 impediments require a higher drilling rate?
- 9 THE WITNESS: I would have to defer that
- 10 to my geologist. I don't know the answer to that.
- 11 HEARING EXAMINER McMILLAN: Okay.
- MR. FELDEWERT: The -- to get to the
- 13 answer to your question, what I can tell you is that
- 14 the -- I think you'll see in the division's records
- 15 that the division is -- almost routinely now
- 16 accepting the 7,000 and 700 as the overhead. That's
- 17 Number 1.
- And then Number 2, as the witness
- 19 testified, there are parties who have executed a
- 20 joint operating agreement in this case, and the
- 21 rates that are reflected in that joint operating
- 22 agreement are 7,000 on drilling and 700 while
- 23 producing.
- Normally you want the -- you would hope
- 25 that the pooling order and the JOA would have

- 1 consistent rates and terms.
- 2 HEARING EXAMINER McMILLAN: You are
- 3 correct for the Bone Spring.
- 4 But if you go back and you look at the
- 5 Yeso, the OCD has been giving 6,000 and 600.
- 6 There's a clear pattern to that.
- 7 MR. FELDEWERT: I think what you're seeing
- 8 is that the parties that have -- that are entering
- 9 into voluntary agreements in this area, as reflected
- 10 in this case, they are recognizing that the rates
- 11 have -- that are consistent and that are appropriate
- 12 are 7,000 and 700, as reflected in the JOA that's
- 13 been executed for this acreage.
- 14 HEARING EXAMINER McMILLAN: But I want --
- 15 for the record, the OCD has been giving 6,000 and
- 16 600 for Yeso tests.
- MR. FELDEWERT: My only point here is that
- 18 there has been an increase in those rates, and that
- 19 those have been accepted under JOAs, joint operating
- 20 agreements, by other operators.
- 21 HEARING EXAMINER McMILLAN: Remember --
- 22 but remember in the previous case you had two
- 23 different AFEs, and in the latest AFE the costs have
- 24 gone down.
- 25 So why are you -- so I can turn around and

- 1 way, Well, you know, you have established the
- 2 decreased drilling rates. Why are -- why, all of a
- 3 sudden, are you asking for this well for a higher
- 4 rate?
- 5 MR. FELDEWERT: And I think one of the --
- 6 well, one of the questions that you have to ask is
- 7 whether you want your pooling orders, where you can,
- 8 to be consistent with -- in terms of the rates and
- 9 costs with what the parties have agreed to under
- 10 voluntary agreements.
- 11 So it's my understanding, and it's always
- 12 been a practice, to try to keep that consistency so
- 13 that you don't have two different accounting
- 14 records, you know, one for those that are subject to
- 15 a JOA and one for those that are subject to a
- 16 pooling order.
- Generally, it's -- you want to try to keep
- 18 the accounting consistent, so that would be our
- 19 point there.
- 20 And I think, also, our geologist can
- 21 explain this. This well is actually going to be
- 22 landing deeper in the formation, so I think that
- 23 comes into play as well.
- MR. WADE: I -- you know, I think there's
- 25 an issue with the notice, and I just want to clarify

- 1 Exhibit 4. Or actually, let's start with Exhibit 3.
- I think you have identified some
- 3 unidentif- -- unlocatable interest owners.
- 4 Is that correct?
- 5 MR. FELDEWERT: I think for Exhibit
- 6 Number 3 there are no unlocatable.
- 7 MR. WADE: Okay. So it's only Exhibit 4
- 8 that identifies those?
- 9 MR. FELDEWERT: It's only Exhibit 4.
- MR. WADE: With the --
- MR. FELDEWERT: Let me step back.
- 12 It would be Exhibit Number 2 --
- MR. WADE: Exhibit 2.
- MR. FELDEWERT: -- that has parties. So
- 15 that would be the south half of the south half.
- MR. WADE: Oh, okay. And those are in
- 17 yellow?
- MR. FELDEWERT: Those are in yellow.
- 19 MR. WADE: Okay. And those are the ones
- 20 that you identify in Exhibit 4?
- MR. FELDEWERT: Correct.
- MR. WADE: And you know, I just reread the
- 23 rule, and that would be 19.15.4.12B.
- And the way I'm reading it is that the
- 25 notice by publication needs to be at least 10 days

- 1 before the hearing. This is the 10th day.
- 2 So I think that these two cases -- and
- 3 actually going back to Case 15281 -- would probably
- 4 need to be continued for two more weeks just to hear
- 5 this issue.
- 6 MR. FELDEWERT: Okay. So your concern is
- 7 that the paper didn't get published in time?
- 8 MR. WADE: That's just what the rule says,
- 9 you know. In going back it does say, if you read
- 10 it, that legal advertisement published at least 10
- 11 days before the hearing.
- MR. FELDEWERT: Your point, to meet that
- 13 requirement, we need to continue for two weeks.
- 14 MR. WADE: For two weeks. We can hear all
- 15 the evidence today. But...
- MR. FELDEWERT: I understand.
- MR. WADE: Okay. So after we're done with
- 18 these two cases, we can go back to 15281 real
- 19 quickly.
- 20 HEARING EXAMINER McMILLAN: I have no
- 21 further questions at this time. Thank you very
- 22 much.
- THE WITNESS: Thank you.
- 24 MR. FELDEWERT: We'll call our next
- 25 witness.

- 1 GREG CLARK,
- 2 after having been first duly sworn under oath,
- 3 was questioned and testified as follows:
- 4 EXAMINATION
- 5 BY MR. FELDEWERT:
- 6 Q. Could you please state your name, identify
- 7 by whom you are employed, and in what capacity?
- 8 A. Greg Clark, COG Operating, LLC, as a
- 9 petroleum geologist.
- 10 Q. And, Mr. Clark, you have previously
- 11 testified before this division and had your
- 12 credentials as an expert in petroleum geology
- 13 accepted and made a matter of public record?
- 14 A. Yes.
- 15 Q. Are you familiar with the applications
- 16 that have been filed in these consolidated cases?
- 17 A. Tam.
- 18 Q. And have you conducted a study of the
- 19 lands that are the subject of these applications?
- 20 A. Yes, I have.
- 21 MR. FELDEWERT: I once again tender
- 22 Mr. Clark as an expert witness in petroleum geology.
- 23 HEARING EXAMINER McMILLAN: So accepted.
- Q. (By Mr. Feldewert) Mr. Clark, what is the
- 25 target of both of the proposed wells under these two

- 1 consolidated cases?
- 2 A. The Yeso formation -- the Paddock member
- 3 of the Yeso formation.
- 4 Q. Have you prepared a structural map and a
- 5 cross-section for this interval?
- 6 A. Yes, I have.
- 7 Q. If I turn to what's been marked as COG
- 8 Exhibit Number 9, is that the regional structure map
- 9 that you have created for this area?
- 10 A. Yes, it is.
- 11 Q. Would you please walk us through what this
- 12 shows?
- 13 A. Sure. This -- as stated, this is a
- 14 regional structure map on top of the -- subsea
- 15 structure map on top of the Paddock formation.
- You will see a general east-to-west
- 17 structural trend. We're going deeper, as you start
- 18 going to the east, structurally.
- And then you'll notice, as you go to the
- 20 southern part of the map, you'll see that there is a
- 21 structural anticlinal nose to where the dip starts
- 22 to change more to a southeasterly direction, which
- 23 is indicative of what we call the Yeso shelf edge,
- 24 and the dip goes structurally deeper as you go into
- 25 the Delaware Basin.

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- 1 The contour interval is 25 feet. You will
- 2 see that the known producing fields are highlighted
- 3 in blue rectangles, as the Lohman Draw and Red Lake
- 4 areas.
- 5 The Paddock producing wells are
- 6 representative with a red circle, and the Blinebry
- 7 producers are representative with the blue circle.
- 8 You will note that the Halberd 27 State
- 9 Number 1H and 2H are demarcated by the red
- 10 projection lines, with the red square being the
- 11 surface hole location and the red circle being the
- 12 bottom hole locations.
- The purpose of this structure map is to
- 14 show that there are no major geologic features, as
- 15 faultings or major foldings, that would keep us from
- 16 developing this area using full section horizontal
- 17 wells.
- 18 Q. Mr. Clark, you mentioned that there's an
- 19 anticlinal ridge in this area.
- 20 A. Yes.
- 21 Q. Does that include the south half of
- 22 Section 27?
- 23 A. The south -- it's an overall anticlinal
- 24 ridge. So it's an anticlinal nose that is dipping
- 25 as you're going -- going to the east, and you are in

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- 1 that feature in Section 27. You are more on the
- 2 southern flank of that anticlinal ridge.
- 3 Q. Does that mean, then, you're a little
- . 4 deeper, in terms of landing in the area of the well?
  - 5 A. A little deeper compared to --
  - 6 Q. Compared, for example, to other wells in
  - 7 the Yeso formation in the shelf area.
  - 8 A. Yes. As you go to the west and as you go
  - 9 to the southwest you're structurally higher. So as
- 10 you start going regionally in this area to the north
- 11 and more to the east you start getting structurally
- deeper; so, therefore, landing depths are deeper
- 13 compared to areas that are to the south and to the
- 14 west in the same Yeso formation.
- 15 Q. Okay. And I believe previously we've been
- 16 here before the division for horizontal wells that
- 17 are outside of this anticlinal ridge area.
- 18 Is that fair?
- 19 A. Yes. In reference to a previous case
- 20 where the well is more to the south and to the west
- 21 regionally, we are landing in the similar
- 22 stratigraphic interval where we're at for these
- 23 wells, but we are structurally about a thousand feet
- 24 deeper.
- 25 Q. Okay. In this particular case?

- 1 A. In this particular case for these
- 2 particular wells.
- 3 Q. Okay. Now you've created a cross-section
- 4 for this area, correct?
- 5 A. Yes, I have.
- 6 Q. If I turn to what's been marked as COG
- 7 Exhibit Number 10, does this identify the wells that
- 8 you have utilized to create your stratigraphic
- 9 cross-section?
- 10 A. Yes, it does.
- 11 Q. And does this -- the wells that you have
- 12 chosen, in your opinion, are they representative of
- 13 the area in question?
- 14 A. Yes, they are.
- 15 Q. If I then turn to what's been marked as
- 16 COG Exhibit Number 11, is this a stratigraphic
- 17 cross-section for the wells that correspond to
- 18 Exhibit Number 10?
- 19 A. Yes.
- 20 Q. Okay. Would you explain please, to us,
- 21 what Exhibit Number 11 shows?
- 22 A. Sure. This is a cross-section that is
- 23 hung on top of the Paddock interval. It's been
- 24 flattened, so you can see the stratigraphic
- 25 relationship of the areas that are representative of

- 1 the Yeso formation.
- 2 The structural component has been taken
- 3 out so you can focus on the similarities and the
- 4 stratigraphy. You'll see that there's no major
- 5 thinning or thickening within the Paddock formation,
- 6 that the characteristics, in terms of the porosity
- 7 and the gamma ray reading are very similar
- 8 throughout the area, which goes across the area, and
- 9 which we intend to drill the proposed wells here
- 10 today.
- And you will note that the red rectangles
- in the depth track of the well are representative of
- 13 vertical wells that have been perforated and
- 14 completed within the Paddock interval.
- And our landing interval is noted by the
- 16 red bracket on the well that's to the right, which
- 17 is the closest to the wells which we intend to drill
- 18 in this area.
- 19 And also, if I might add real quick --
- 20 sorry, Mike.
- 21 Q. That's all right. Go ahead.
- 22 A. The well to the left is a vertical well
- 23 that's representative of two wells that we've
- 24 drilled within the last year that are within this
- 25 same interval, and are really good producers for COG

- 1 at this time, which are also in the east/west
- 2 direction.
- 3 Q. I think you've testified that there's no
- 4 geological impediments to developing this area using
- 5 full section horizontal wells.
- 6 A. I did.
- 7 Q. What other conclusions have you drawn?
- 8 A. That this area can be efficiently and
- 9 economically developed using full section
- 10 horizontals, and that each part of the nonstandard
- 11 unit will produce on average more or less equally to
- 12 the total production of the well.
- 13 Q. In your opinion, will the granting of this
- 14 application be in the best interest of conservation,
- 15 prevention of waste, and protection of correlative
- 16 rights?
- 17 A. Yes.
- Q. Were COG Exhibits 9 through 11 prepared by
- 19 you or compiled under your direction and
- 20 supervision?
- 21 A. Yes, they were.
- MR. FELDEWERT: Mr. Examiner, at this time
- 23 I would move the admission into evidence of COG
- 24 Exhibits 9 through 11?
- 25 HEARING EXAMINER McMILLAN: Exhibits 9

- 1 through 11 may be accepted as part of the record.
- 2 MR. FELDEWERT: And that concludes my
- 3 examination of this witness.
- 4 HEARING EXAMINER McMILLAN: Okay.
- 5 I want to go back, and I want to look at
- 6 the Marbob Energy well. It's the second one from
- 7 the right.
- 8 THE WITNESS: Okay.
- 9 HEARING EXAMINER McMILLAN: Now, the
- 10 reason I picked this well is this well is kind of
- 11 the closest thing to the proposed wells. And -- if
- 12 you go back and look at Section 10.
- Now where, exactly, in the Marbob Energy
- 14 Corp. would you pick the top of the Yeso? Is that
- 15 the top of the Paddock?
- 16 THE WITNESS: Yes.
- 17 HEARING EXAMINER McMILLAN: The top of the
- 18 Yeso is the Paddock, correct?
- 19 THE WITNESS: Yes, correct.
- 20 HEARING EXAMINER McMILLAN: Okay. That --
- 21 I just needed some clarification when the order is
- 22 written.
- THE WITNESS: Yes.
- 24 HEARING EXAMINER McMILLAN: And that's
- 25 what I was attempting to do.

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1	I have no question.
2	Do you have any questions?
3	MR. WADE: No questions.
4	HEARING EXAMINER McMILLAN: Okay. Then
5	Cases Number 15282 and 283 will be continued.
6	Now with that in mind
7	MR. FELDEWERT: Mr. Examiner, if I may
8	interrupt.
9	Continued for two weeks?
10	HEARING EXAMINER McMILLAN: Two weeks.
11	MR. FELDEWERT: Thank you.
12	(The proceedings concluded at 9:26 a.m.)
13	
14	
15	
16	I do hereby cartify that the foregoing is
17	the Examiner hearing of Case No.
18	heard by me on
19	Oil Conservation Division
20	Cit College Co
21	
22	
23	
24	
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	Page 29
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	Faul Bain
11	PAUL BACA, RPR, CCR
12	Certified Court Reporter #112
13	License Expires: 12-31-15
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