Page 1 STATE OF NEW MEXICO 1 ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT 2 OIL CONSERVATION DIVISION IN THE MATTER OF THE HEARING CALLED 3 BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING: 4 5 APPLICATION OF COG OPERATING, LLC CASE NO. 15609 FOR A NONSTANDARD SPACING AND PRORATION UNIT AND COMPULSORY 6 POOLING, LEA COUNTY, NEW MEXICO. 7 8 REPORTER'S TRANSCRIPT OF PROCEEDINGS 9 EXAMINER HEARING January 5, 2017 10 11 Santa Fe, New Mexico 12 13 BEFORE: MICHAEL McMILLAN, CHIEF EXAMINER 14 DAVID K. BROOKS, LEGAL EXAMINER 15 16 This matter came on for hearing before the 17 New Mexico Oil Conservation Division, Michael McMillan, Chief Examiner, and David K. Brooks, Legal Examiner, on 18 Thursday, January 5, 2017, at the New Mexico Energy, 19 Minerals and Natural Resources Department, Wendell Chino Building, 1220 South St. Francis Drive, Porter Hall, 20 Room 102, Santa Fe, New Mexico. 21 2.2 Mary C. Hankins, CCR, RPR REPORTED BY: New Mexico CCR #20 Paul Baca Professional Court Reporters 23 500 4th Street, Northwest, Suite 105 24 Albuquerque, New Mexico 87102 (505) 843-9241 25

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Page 3 1 INDEX 2 PAGE 3 Case Number 15609 Called 4 COG Operating, LLC's Case-in-Chief: 4 5 Witnesses: 6 Bryce Cason: 7 Direct Examination by Ms. Kessler 5 Cross-Examination by Examiner McMillan 14 Cross-Examination by Mr. Morgan 8 14 Cross-Examination by Examiner Brooks 31 9 Recross Examination by Examiner McMillan 32 Redirect Examination by Ms. Kessler 33 10 Recross Examination by Examiner McMillan 33 John Bertalott: 11 12 Direct Examination by Ms. Kessler 34 Cross-Examination by Mr. Morgan 38 Cross-Examination by Examiner McMillan 13 38 Cross-Examination by Examiner Brooks 40 14 Closing Argument by Mr. Morgan 41 15 Closing Argument by Ms. Kessler 42 16 Proceedings Conclude 43 17 Certificate of Court Reporter 44 18 19 EXHIBITS OFFERED AND ADMITTED 20 COG Operating, LLC Exhibit Numbers 1 through 8 14 COG Operating, LLC Exhibit Numbers 10 through 12 21 38 Tonkin Mineral Interests, LLC Exhibit 22 Numbers 1 and 2 30 23 24 25

Page 4 1 2 (2:20 p.m.) EXAMINER McMILLAN: Call the hearing back 3 4 to order. 5 I'd like to call Case Number 15609 6 application of COG Operating, LLC for a nonstandard 7 spacing and proration unit and compulsory pooling, Lea County, New Mexico. 8 9 Call for appearances. MS. KESSLER: Mr. Examiner, Jordan Kessler, 10 for the Santa Fe office of Holland & Hart, on behalf of 11 12 the Applicant. EXAMINER McMILLAN: Any other appearances? 13 14 MR. MORGAN: Thank you, Your Honor. Scott Morgan, with Cavin & Ingram, on behalf of Tonkin Mineral 15 Interests, LLC. 16 17 MS. KESSLER: Two witnesses today. EXAMINER McMILLAN: Okay. If the witnesses 18 would please stand up and be sworn in at this time. 19 20 (Mr. Cason and Mr. Bertalott sworn.) 21 EXAMINER McMILLAN: Please proceed. 22 BRYCE CASON, after having been first duly sworn under oath, was 23 24 questioned and testified as follows: 25

	Page 5
1	DIRECT EXAMINATION
2	BY MS. KESSLER:
3	Q. Please state your name for the record and tell
4	the Examiners by whom you're employed and in what
5	capacity.
6	A. My name is Bryce Cason, and I am a landman for
7	COG Operating, LLC.
8	Q. Have you previously testified before the
9	Division?
10	A. Yes, I have.
11	Q. Were your credentials as a petroleum landman
12	accepted and made a matter of record?
13	A. Yes.
14	Q. Are you familiar with the application filed in
15	this case?
16	A. Yes.
17	Q. And are you familiar with the status of the
18	lands in the subject area?
19	A. I am.
20	MS. KESSLER: Mr. Examiners, I would tender
21	Mr. Cason as an expert in petroleum land matters.
22	EXAMINER McMILLAN: Any objection?
23	MR. MORGAN: No objections.
24	EXAMINER McMILLAN: So qualified.
25	Q. (BY MS. KESSLER) Mr. Cason, please tell me what

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Page 6 COG seeks under this application. 1 2 Α. We are seeking to create a 320 nonstandard spacing unit comprised of the west half-east half of 3 Section 34, Township 25 South, Range 33 East, as well as 4 the west half-east half of Section 3, Township 26 South, 5 Range 33 East. 6 7 Do you seek to pool the uncommitted --0. uncommitted interest owners in the Wolfcamp Formation? 8 9 Α. Yes, we do. Do you seek to dedicate the spacing unit to the 10 0. initial well? 11 12 Α. Correct. That would be the Columbus Fee #23H and the 13 0. 14 Columbus Fee #24H? 15 Yes, that's correct. Α. What is Exhibit 1? 16 Q. Exhibit 1 is the C-102 for the Columbus Fee 17 Α. #23H. 18 Has an APD been approved for this well? 19 Q. Yes, it has. 20 Α. And the API number is reflected on the C-102? 21 0. 22 Α. Yes. Has the Division designated a pool for this 23 Q. 24 area? 25 Yes, undesignated Wolfcamp. Α.

				Page 7
	1		Q.	And that is Pool Code 98094?
	2		A.	Yes.
	3		Q.	What is the character of these lands?
	4		A.	They are fee.
	5		Q.	Is the pool the wildcat pool governed by
	6	Divi	sion	statewide rules for oil wells?
	7		A.	Yes.
	8		Q.	With 330-foot setbacks?
	9		Α.	Yes.
	10		Q.	And the two wells will be orthodox pursuant to
	11	the	pool	rules, correct?
	12		A.	Yes.
	13		Q.	Are there any depth severances in this pool?
	14		A.	No.
	15		Q.	What is Exhibit 2?
	16		Α.	Exhibit 2 is the C-102 for the Columbus Fee
	17	#24H	Ι.	
	18		Q.	And has an APD been approved for this well?
	19		A.	Yes, it has.
	20		Q.	And is the API number right here on the C-102?
	21		Α.	Yes.
	22		Q.	Is this the same pool as the 23H well?
	23		Α.	Yes, it is.
	24		Q.	Why does COG seek to dedicate a spacing unit
	25	for	two :	initial wells?
1				

		Page 8
1	Α.	We are seeking to dedicate two initial wells
2	for oper	rational efficiencies and cost-saving items.
3	Q.	So will you will COG drill and complete the
4	wells ba	ack-to-back?
5	Α.	That's correct.
6	Q.	And are you doing this for economic reasons?
7	Are ther	e costs associated with the operational
8	efficien	ncies?
9	Α.	Yes, that is right.
10	Q.	Were all interest owners provided notice of
11	this pla	an to drill back-to-back?
12	Α.	Yes, they were.
13	Q.	Have any of them objected to the proposition to
14	drill ba	ack-to-back?
15	Α.	No.
16	Q.	What is Exhibit 3?
17	Α.	Exhibit 3 is a breakdown of ownership by tract.
18	Q.	And that would be for both the 23H and 24H
19	wells th	nat are in the same spacing unit?
20	Α.	Correct. Yes, that's correct.
21	Q.	The last page is a recap, correct?
22	Α.	Yes, that's correct.
23	Q.	What interests do you seek to pool? Are they
24	working	interest owners, or are there unleased mineral
25	interest	owners?

		Page 9
1	Α.	Both. There are both.
2	Q.	Okay. And those interests you're seeking to
3	pool are	bolded and italicized, correct?
4	Α.	Yes, that's correct.
5	Q.	Is Exhibit 4 a copy of the well-proposal letter
б	that you	sent to the interest owners for the 23H well?
7	A.	This one was sent to Tonkin Mineral Interests,
8	LLC.	
9	Q.	Have similar letters been sent to all the
10	mineral	interests?
11	Α.	Yes.
12	Q.	When was this letter sent?
13	Α.	This was sent on October 13th, 2016.
14	Q.	Did it included an AFE?
15	Α.	Yes, it did.
16	Q.	Is Exhibit 5 a well-proposal letter to Tonkin
17	Mineral	Interests for the 24H well?
18	Α.	Yes, it is.
19	Q.	And a similar letter was sent to all of the
20	other in	terest owners?
21	Α.	Yes.
22	Q.	What date was this letter sent?
23	Α.	It was also sent on October 13th, 2016.
24	Q.	And it included an AFE?
25	Α.	Yes.

Page 10 Are the costs on these two AFEs consistent with 1 Ο. what COG has drilled with similar horizontal wells in 2 this area? 3 Α. Yes, it is. 4 5 What efforts did you undertake to reach an Ο. agreement with interest owners that you seek to pool? 6 7 Α. Each -- each interest we seek to pool has been contacted whether by phone or email or a combination of 8 There were also well proposals for both of the 9 the two. subject wells with AFEs and an operating agreement with 10 the option to participate with their interest. 11 We also 12 gave each of the interest owners an offer to lease the minerals. 13 14 Ο. With respect to Tonkin Mineral Interests, LLC, can you summarize your communications? 15 I began communications with --16 Α. Yes. 17 Q. Let me interrupt you right after I had you 18 start. I want to clarify, too. You negotiated 19 both with the trustee, but mainly with an attorney 20 with -- on behalf of the trustee; is that correct? 21 22 Α. That's correct. Yes. My communications began 23 the first, second week of September with the trustee of Tonkin Mineral Interests, LLC. We spoke on the phone 24 25 the very first week, and we had multiple emails

Page 11 following up on that. About a month later, I was 1 referred to their attorney, Sealy Cavin, and from there, 2 I began working with him and negotiating with him 3 further. At this time we have not come to terms on an 4 5 agreement. 6 And remind me when you started negotiating with Ο. 7 Tonkin. Α. Early September, yes. 8 9 Have you sent a well-proposal letter for both Ο. 10 of the spacing units? They received well proposals for both 11 Α. Yes. 12 wells, AFEs, giving them the option to participate with their interest if they wanted to do so, followed with an 13 operating agreement for them to review. We received 14 back well proposals. Then we sent lease offers out and 15 negotiated with them further on the lease. 16 17 0. Okay. You mentioned that you've been negotiating since September. Approximately how often 18 have you communicated with Sealy Cavin, who is an 19 attorney representing Tonkin? 20 I would say three or four times a week. 21 Α. Yes. We called each other frequently, left voice mails. 22 As time went on, they became more frequent when we were 23 24 trying to close on negotiations, but three or four times 25 consistently.

Page 12 Q. By phone or email? 1 2 Α. By phone or email, yes. 3 Have you reached an agreement? 0. No, we have not. 4 Α. 5 Ο. Will you continue to negotiate with Tonkin? 6 Α. Yes. 7 0. And in the event that you reach an agreement, will you advise the Divison that that supersedes a 8 pooling order? 9 Yes, we will. 10 Α. Q. In your opinion, do you believe that has COG 11 made a good-faith effort to try to reach an agreement 12 with Tonkin Mineral Interests? 13 14 Α. Yes, I do. Have you estimated the overhead and 15 0. administrative costs for drilling and completing these 16 wells? 17 7,000 a month while drilling and 700 a 18 Α. Yes. month while producing. 19 Are these costs in line with what COG and other 20 Q. operators in the area charge for similar wells? 21 Α. 22 Yes. Do you ask that those administrative and 23 0. 24 overhead costs be incorporated into any orders resulting 25 from this hearing?

		Page 13
1	Α.	Yes.
2	Q.	Do you ask that those costs be adjusted in
3	accordar	nce with the COPAS accounting procedures?
4	A.	Yes, I do.
5	Q.	With respect to uncommitted interest owners, do
6	you requ	lest that the Division impose a 200 percent risk
7	penalty?	
8	A.	Yes, I do.
9	Q.	Is Exhibit 6 a plat identifying the offset
10	operator	rs or lessees in the 40-acre tracts surrounding
11	the prop	oosed nonstandard spacing unit.
12	A.	Yes, operators and lessees of record.
13	Q.	Is Exhibit 7 an affidavit prepared by my office
14	with att	ached letters providing notice of this hearing
15	to the p	parties that you seek to pool and to the offset
16	operator	s and lessees of record?
17	A.	Yes, that is correct.
18	Q.	And is Exhibit 8 an Affidavit of Publication in
19	Lea Cour	ity providing notice of this hearing?
20	A.	Yes.
21	Q.	Were Exhibits 1 through 6 prepared by you or
22	compiled	l under your direction and supervision?
23	A.	Yes, they were.
24		MS. KESSLER: Mr. Examiners, I'd move
25	admissic	on of Exhibits 1 through 8.

Page 14 MR. MORGAN: No objections. 1 2 EXAMINER McMILLAN: Exhibits 1 through 8 3 may now be accepted as part of the record. 4 (COG Operating, LLC Exhibit Numbers 1 5 through 8 are offered and admitted into evidence.) 6 7 CROSS-EXAMINATION BY EXAMINER McMILLAN: 8 Were there unlocatable interests? 9 0. No. We were able to locate every owner. 10 Α. 11 EXAMINER McMILLAN: Excuse me, sir. I'm 12 going to let you -- that was -- proceed. EXAMINER BROOKS: Cross-examination? 13 14 MR. MORGAN: Happily. I will try and make this as quick as possible, as painless as possible in an 15 effort to give Ms. Kessler's voice a little bit of a 16 17 rest and to get those folks back to Midland, if they want to head back. 18 19 CROSS-EXAMINATION BY MR. MORGAN: 20 21 First I'm going to step back to your job just Ο. 22 for a moment. You're employed with COG? Yes. 23 Α. 24 How long have you been employed with COG? Q. 25 I've been with COG for a little over year and a Α.

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half.
Q. Okay. And as a petroleum landman.
Had you been employed as a petroleum
landman prior to that?
A. No.
Q. If you could give us a brief description of
what your job is with respect to negotiating leases.
A. Right. So I, first of all, have to locate who
the interest owners are. It's my job to facilitate the
voluntary agreement with those owners so that we can
drill our wells.
Q. Okay. And what's your goal in undertaking
those negotiations on behalf of COG?
A. The goal would be to come to a mutual agreement
with the other party. It's beneficial.
Q. Okay. Now I'm going to step just for a moment
to this proposed lease or the lease negotiations with
Tonkin Minerals.
A. Right.
Q. And I'm going to ask you to walk us through it
for a minute
A. Okay.
Q and bear with me just for a moment.
The lands that you're seeking to pool are
320 acres, and the lease with Tonkin, I believe, covers

Page 16 80 acres; is that correct? 1 2 Α. 80 gross acres. 3 Ο. 80 gross acres. 4 And are some of the lands that Tonkin has an interest in already subject to leases? 5 For this pool, no. 6 Α. For this pool, no. 7 Ο. Are they subject --8 9 I'm sorry. As far as COG leases go. Α. 10 As far as COG leases qo. Ο. I mean, Tonkin may have leased to other 11 Α. operators and have a piece of this well. 12 They may have a piece of the well? 13 0. 14 Α. But as COG, we do not. 15 Okay. Thank you. Ο. But they do have interests -- other 16 interests now are leased in this well? Is your 17 understanding? 18 Α. 19 Yes. Just not leased to COG? 20 Q. 21 Correct. Α. Okay. And as the operator and as the petroleum 22 Q. landman, you're familiar with those leases? 23 I'm familiar somewhat with them. I have not 24 Α. 25 reviewed them personally.

Page 17 Ο. Okay. Okay. But you are familiar that they do 1 2 exist? 3 Α. Yes. Ο. Okay. Okay. Perfect. Thank you. 4 5 Now, were these lands that COG is seeking 6 to pool or lease from Tonkin Minerals, were they subject 7 to these prior leases? 8 Α. They have been subject to a prior lease before that expired as to certain depths. 9 Okay. Okay. Do you know when about that lease 10 Ο. was executed? 11 2007. 12 Α. 2007. 13 Okay. Okay. 0. 14 Are there any other leases that these lands may be subject to that you're aware of to Tonkin 15 Minerals in these wells? 16 17 Α. Can you -- can you --Are there any other leases out there that 18 0. Tonkin has executed that would affect these wells as to 19 these depths? 20 21 I'm not quite sure what -- as far as like COG Α. 22 leases go? 23 Any leases that you know would be committed to 0. 24 these lands and these wells. There is another Tonkin mineral interest 25 Yes. Α.

Page 18 1 lease. 2 Do you know when that lease was executed? 0. T do not. 3 Α. 4 Stepping back as well to your opinion on Ο. 5 good-faith efforts in negotiations with respect to leases, what, in your opinion, constitutes good faith or 6 7 good-faith negotiations? 8 MS. KESSLER: I would object to the extent 9 that he's asking a legal question. MR. MORGAN: I would offer that he has 10 11 opined in his expert opinion that good-faith negotiations and efforts were entered into, and he can 12 give his opinion as to what that means. 13 14 EXAMINER McMILLAN: I'll overrule the objection. 15 THE WITNESS: Would you repeat the 16 17 question? (BY MR. MORGAN) What, in your opinion, 18 0. constitutes good-faith negotiations or good-faith 19 efforts? 20 I think the continual communication streams 21 Α. between the two parties and the strong effort that I've 22 23 shown to come to a voluntary agreement would qualify as 24 good-faith efforts to negotiate this lease voluntarily. 25 Okay. Do you have any opinion with respect to Q.

Page 19 good-faith efforts on whether -- or what good-faith 1 2 efforts are constituted when it comes to determining a possible bonus for a lease? 3 4 Α. There are various inputs that go into 5 determining what we were going to offer for a bonus. 6 There is not a straight and easy answer. It's multiple 7 factors. 0. Can you expand on how you determine what a 8 bonus might be, how you would consider maybe the low end 9 and the high end? 10 I would object to that to the 11 MS. KESSLER: 12 extent it offers -- or requests information that's outside of the witness' scope of knowledge. 13 14 MR. MORGAN: He's testified that he's entered into lease negotiations and that he's an expert 15 in petroleum land matters. 16 EXAMINER BROOKS: I'll overrule the 17 objection. 18 THE WITNESS: Repeat the question, please. 19 (BY MR. MORGAN) How you determine the low end 20 Q. and the high end of what a lease bonus might be. 21 Α. Some of the facts that go into that would be a 22 23 legal description of where the acreage actually is, the number of acres that are available to lease and things 24 25 of that nature. I mean, there are --

Page 20 Okay. In this particular instance, with 1 0. 2 respect to Tonkin Minerals --3 Α. Yes. -- can you point to any specific information 4 Ο. 5 that went into a decision on what the high-end versus 6 low-end bonus consideration might be? 7 MS. KESSLER: I would object to the extent that he is calling for a confidential and proprietary 8 9 evaluations for COG. 10 MR. MORGAN: I would take the position it's up to the operator under the statutes and the 11 12 regulations to provide and prove their good-faith efforts. 13 14 EXAMINER BROOKS: Well, but they're not required to provide privileged information if they don't 15 16 want to. I'll sustain the objection. 17 (BY MR. MORGAN) As a professional, have you 18 Q. ever considered how you balance getting the best deal 19 for COG with negotiating in good faith? 20 21 MS. KESSLER: I'm going to object that that 22 causes the witness to speculate. 23 MR. MORGAN: Opinion testimony. 24 EXAMINER BROOKS: I agree it causes the 25 witness to speculate, but I'm going to overrule the

Page 21 objection anyway. He can say if he has an opinion on 1 2 the matter. THE WITNESS: Can you repeat the question? 3 4 Ο. (BY MR. MORGAN) Absolutely. Have you 5 considered, in your professional opinion, how you 6 balance and negotiate in good faith with getting the 7 best deal for your company? Α. Yes, I've considered it. 8 And how have you considered it? 9 Ο. 10 I'm not quite sure --Α. MS. KESSLER: Objection. I don't believe 11 12 that question's very clear. MR. MORGAN: Yeah. I apologize. 13 It was not very clear. I sustain the objection. 14 (BY MR. MORGAN) What do you consider or what 15 Ο. have you considered in balancing good faith versus 16 17 getting the best deal for your company? MS. KESSLER: And I'll object to the extent 18 it calls for any proprietary or confidential 19 information. 20 EXAMINER BROOKS: Well, I guess to be 21 consistent, I will sustain that objection. I don't know 22 whether it does or not, but I don't want a three-day 23 24 hearing for a product of privileged information. 25 MR. MORGAN: That's fine. Let's move on.

Page 22 (BY MR. MORGAN) With respect to your lease 1 Ο. 2 negotiations with Tonkin, do you recall what the initial bonus offer you made to Tonkin Minerals was? 3 Α. I believe it was \$500 [sic] an acre. That's --4 that's what I believe the negotiations began at. 5 Okay. Are you able or prepared to introduce 6 0. 7 any specific evidence as to why that bonus was started with or offered, other than running into issues with 8 privilege? 9 10 MS. KESSLER: Again, I'll object for the record it's confidential or proprietary information. 11 EXAMINER BROOKS: Well, he limited his 12 question to exclude any confidential and proprietary 13 information, and the witness can answer with that 14 reservation, if he can't answer without disclosing 15 information with regard to the confidential --16 17 MR. MORGAN: I can repeat that, with limited instructions. 18 (BY MR. MORGAN) Are you prepared to provide any 19 0. specific evidence as to why that particular number was 20 chosen at the beginning of the negotiation point for the 21 bonus with Tonkin? 22 23 MS. KESSLER: Objection. I think that 24 calls for information that is asking very specifically 25 for Concho to divulge information about their process

Page 23 for evaluating acreage, and I think that that's outside 1 2 of the realm of what we're dealing with here. The question is whether 3 EXAMINER BROOKS: 4 he's prepared to present any evidence. And if he is not 5 prepared to present any evidence -- if he doesn't have 6 any evidence that Concho is not keeping confidential, 7 not asserting confidentiality that he's not prepared to present evidence, he can answer no. If he has any 8 information that can be presented, he can answer the 9 question. 10 THE WITNESS: Like I mentioned earlier, I 11 12 can give you the various factors that are considered, but I can't go into how we formulated that specific 13 offer, no. 14 (BY MR. MORGAN) No specifics. 15 Ο. 16 EXAMINER BROOKS: Okay. For my 17 information, because I missed it, what was the --The initial offer? 18 THE WITNESS: 19 EXAMINER BROOKS: Yeah. THE WITNESS: It was \$500 an acre. 20 EXAMINER BROOKS: 500 an acre. Okay. 21 Go ahead. 22 23 (BY MR. MORGAN) When you're negotiating --0. 24 going back to your job, you've negotiated a lease such 25 as this?

Page 24

A. Yes.

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2 Q. There are kind of two major parts. You look at 3 the consideration of the bonus and you look at lease 4 provisions?

5 A. Right.

How closely tied together are those? Do you 6 0. 7 find -- let me expand. Do you find that if you agree on a lease form, that you then get into discussions of 8 consideration, or are they very closely tied together? 9 I believe you can do it -- you can structure it 10 Α. how you please. In this instance, they were done more 11 12 simultaneously. It wasn't one or the other.

And if you had -- in your experience, if your 13 0. negotiating with a potential lessor and you agree on a 14 lease form, do your negotiations on that bonus 15 consideration go back and affect how you might change 16 that lease in the future? Or once that lease form is 17 kind of solidified, then you negotiate your bonus? 18 Will you repeat the first part? I just want to 19 Α. be clear. 20

Q. Absolutely. I apologize. I wasn't very clearon that.

23 Once you've negotiated either a bonus or
24 lease terms --

25 A. Right.

Page 25 -- and you've kind of agreed on one or the 1 0. 2 other, will future negotiations on the other side of that affect the previous? So if you've agreed on a 3 lease form but you haven't agreed on the bonus and the 4 bonus goes up, will that change how your lease form is 5 going to look in the future, or once you agreed on that 6 7 lease form --Mr. Examiners, I would object 8 MS. KESSLER: to the extent that this calls for information outside of 9 this particular case. 10 EXAMINER BROOKS: Overruled. 11 12 THE WITNESS: Can you say it one more time? 13 EXAMINER BROOKS: If you can answer, do. If you can't answer, say whatever you feel is 14 15 appropriate. 16 THE WITNESS: I'm trying to process it 17 correctly. (BY MR. MORGAN) If you were to agree on a lease 18 Q. form --19 20 Α. Yes. 21 -- but not on a bonus consideration --Ο. 22 Α. Yes. 23 -- and you were negotiating that bonus Ο. 24 consideration and it went up, would you change the lease form or leave the lease form where it is because it's 25

not overly tied to the bonus? 1 2 Α. I don't think you have a done deal until both are finalized. I don't know if that answers your 3 4 question. But I feel like --5 It could change? 0. Α. 6 What could change? 7 Your lease form could change? 0. It may. That situation -- but I don't think it 8 Α. is a done deal until both are agreed upon by both 9 parties. 10 11 0. Okav. If you can turn your attention to Exhibit 1 just briefly, our -- Tonkin Minerals. 12 Ιt should be right there. I promise I'll get through this 13 quickly at this point. 14 15 Exhibit 1 is an email. If you would read that middle portion starting with Sealy. Does that 16 17 accurately depict the email you sent on November of last year to the best of your recollection? 18 Yes. That is the email I sent. 19 Α. 20 Q. Okay. So you've read this, and this accurately 21 depicts it? 22 Α. Yes. 23 So if I may, it appears here -- and I'll ask 0. 24 you if this is correct -- that your opinion on this email of November 8th was that the 2007 lease form 25

Page 27 between Nancy Tonkin Revocable Trust and Peregrine 1 2 Production, LLC, that you were okay with using that 3 form, that it was acceptable to you with the noted 4 changes? But I will note that there has to be 5 Α. Yes. legal review, which has been cleared with Mr. Cavin, 6 7 before I can accept any final changes. Do you know if that was communicated via email? 8 Ο. It was via phone call. We actually 9 Α. communicated frequently. 10 And just to be clear, as you go up on that 11 Ο. 12 page, Mr. Cavin emailed that same day, "Bryce, I think I can get my client to agree." Does that accurately 13 reflect his response as you recall? 14 15 Α. That's correct. So I'm going to ask this. What happened at 16 0. 17 that point during negotiations? It appeared that both sides were probably okay with this lease form. 18 What then occurred? 19 20 Α. First of all, we never agreed to the 5,000 per acre on this bonus. Second, I had to submit any changes 21 to my legal team for review. 22 23 And when you say changes, do you mean changes 0. 24 that he submitted or changes that you had offered? 25 Any changes. Α. Both.

Page 28 So just to be clear, you still had to --1 Ο. although you had offered to use this lease form, these 2 changes still had to be submitted to your legal 3 4 department? 5 Α. Yes. And that was made very clear to 6 Mr. Cavin. 7 Ο. Can you recall what the specific issues with this lease form were? 8 9 There were various --Α. And if I may, to jog your memory, attached as 10 0. Exhibit 2 is the lease form in question. 11 If I can just interject, do 12 MS. KESSLER: 13 you mean the lease form at issue in the November 8th 14 email? 15 MR. MORGAN: Excuse me. Yes. Yes. Yes. Yeah. 16 So not Exhibit 2? 17 THE WITNESS: (BY MR. MORGAN) Is this not the lease form that 18 0. you were talking about? 19 It was, but this one was signed 2007. 20 Α. It did 21 not include the changes that we had been conversing about. 22 23 Not a -- not a -- the lease form --0. Excuse me. 24 the 2007 lease form has changed, but the general form 25 that didn't have the changes you suggested?

Page 29 This is a -- this is a current lease from Yes. 1 Α. 2 2007 that is still active. 3 Ο. Okay. Okay. So what were the issues with that 4 lease form? 5 My legal team returned a red-lined copy, and Α. there various provisions that they would not sign off 6 7 on, and, therefore, I could not agree to. What were those provisions? 8 Ο. The cost for royalty was modified. Absolute 9 Α. obligation was changed. 10 Mr. Cason, can you point out 11 MS. KESSLER: 12 the paragraph numbers as you go along? THE WITNESS: 13 Sure. Sure. 14 Okay. 3D. (BY MR. MORGAN) Okay. 15 0. There were modifications to six. 16 3E. There Α. 17 were modifications to seven; paragraphs 9, 12, 18. And I believe that is it. But I don't have those changes in 18 front of me, so --19 20 Q. That's perfectly okay. Thank you. But in your opinion, at the time you sent 21 this email on November 8th, you were comfortable with 22 that form generally noting these exceptions, 23 24 understanding your legal team wanted to look at it 25 first?

Page 30 In general, yes, but that's not my call to 1 Α. 2 make. 3 Ο. Not your call to make, although you were the one handling the negotiations? 4 Right. When you asked me about my job 5 Α. description, I said I facilitate negotiations, but I 6 7 have to get approval, too, contractually by the company to do anything. 8 9 MR. MORGAN: I'll move to admit Exhibits 1 and 2 at this time. 10 11 EXAMINER BROOKS: Any objection? 12 MS. KESSLER: No objection. EXAMINER McMILLAN: Exhibits 1 and 2 may 13 now be accepted as part of the record for Tonkin 14 15 Interests. (Tonkin Mineral Interests, LLC Exhibit 16 Numbers 1 and 2 are offered and admitted 17 into evidence.) 18 (BY MR. MORGAN) And I'm going to go back to 19 Ο. Exhibit 2 for just a minute and I'll be done. 20 21 Α. Okay. 22 Q. Can you tell me in paragraph seven what the 23 specific issues were, if you recall? 24 I believe it was the language describing what Α. would expire. 25

Page 31 Q. Okay. Do you know what those issues were 1 2 exactly? The way it reads now, it would create a 3 Α. Yes. depth severance within the pool, and we were not 4 comfortable with that. 5 That you weren't comfortable with? 6 Ο. 7 Α. Correct. Are you aware of any other issues that that 8 Ο. type of depth severance might have caused? 9 10 Α. No. That was -- that was the extent of it, from my understanding. 11 12 Ο. Okay. Okay. No further questions. 13 CROSS-EXAMINATION 14 BY EXAMINER BROOKS: Just following up on something that you said, 15 0. the warranty provision was one of the ones that you were 16 17 instructed not to change; is that right? 18 Which paragraph? Α. MR. MORGAN: It would have been paragraph 19 12, I believe. 20 21 (BY EXAMINER BROOKS) Paragraph 12. Is that 0. 22 correct? 23 Α. Correct. 24 And what was the -- was that an objection to 0. 25 any change in it or an objection to a particular change?

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1	A. Our legal team wanted a special warranty to
2	protect ourselves from from another party
3	simultaneously.
4	Q. Okay. But you were willing to accept a special
5	warranty in lieu of a general warranty?
6	A. Yes.
7	Q. Okay. Thank you. I think that's all I have.
8	RECROSS EXAMINATION
9	BY EXAMINER MCMILLAN:
10	Q. So realistically, your job was to facilitate,
11	and it's ultimately decided by your expiration manager?
12	A. Expiration manager?
13	Q. Yeah, your expiration manager. That's
14	essentially what it comes down to. You're going to
15	facilitate to your land manager or expiration manager,
16	and then they those the upper management will give
17	the authority, right?
18	A. Correct.
19	Q. Okay.
20	MS. KESSLER: I was going to ask a couple
21	of redirect, but I don't know if you're finished.
22	EXAMINER McMILLAN: Yeah. I mean, that was
23	my question. Go ahead.
24	
25	

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1	REDIRECT EXAMINATION
2	BY MS. KESSLER:
3	Q. I think this was clear earlier, Mr. Cason. I
4	just wanted to clarify. You were communicating with
5	Sealy Cavin, who is an attorney, correct?
6	A. Yes.
7	Q. And you very clearly made Mr. Cavin aware that
8	any approval any changes to the agreement would need
9	to be run by Legal?
10	A. Yes.
11	Q. Okay. What was the most recent bonus payment
12	that you offered?
13	A. The most recent was 4,000 an acre.
14	Q. Thank you.
15	MR. MORGAN: No questions.
16	RECROSS EXAMINATION
17	BY EXAMINER MCMILLAN:
18	Q. The royalty?
19	A. The royalty was a quarter.
20	EXAMINER BROOKS: Was what?
21	THE WITNESS: A quarter.
22	EXAMINER BROOKS: Unless anyone has
23	anything else, the witness may stand down.
24	MS. KESSLER: Thank you.
25	

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1	JOHN BERTALOTT,
2	after having been previously sworn under oath, was
3	questioned and testified as follows:
4	DIRECT EXAMINATION
5	BY MS. KESSLER:
6	Q. Please state your name for the record and tell
7	the Examiners by whom you're employed and in what
8	capacity.
9	A. My name is John Bertalott. I'm a geologist for
10	COG Operating, LLC.
11	Q. Have you previously testified before the
12	Division?
13	A. I have.
14	Q. Were your credentials as a petroleum geologist
15	accepted and made a matter of record?
16	A. Yes, they were.
17	Q. Are you familiar with the application filed in
18	this case?
19	A. I am.
20	Q. And have you conducted a geologic studies of
21	the lands that are the subject of this application?
22	A. I have.
23	MS. KESSLER: Mr. Examiners, I would tender
24	Mr. Bertalott as an expert petroleum geologist.
25	EXAMINER McMILLAN: Any objections?
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1	MR. MORGAN: No objections.
2	EXAMINER McMILLAN: So qualified.
3	Q. (BY MS. KESSLER) Mr. Bertalott, turn to Exhibit
4	9. Please identify this exhibit and explain what it is.
5	A. This is a location map. What it shows is the
б	relevant acreage of COG highlighted in yellow. I have
7	highlighted the proposed locations for both the Columbus
8	B 23H and 24H being drilled north to south.
9	Q. What are the red lines?
10	A. The red lines in Section 26 to the northeast
11	are wells that have been landed in the similar target as
12	we are.
13	Q. Is Exhibit 10 a structure map of the Wolfcamp A
14	in this area?
15	A. Yes, it is. It is a subsea structure map of
16	the Wolfbone A Shale, contour intervals of 50 feet.
17	And, once again, I've highlighted where our Columbus Fee
18	23H and 24H will be drilled. There is minimal
19	structure, as they are being drilled parallel to the
20	structure contour lines.
21	Q. Have you identified any geologic hazards, any
22	pinch-outs, any faulting based on the structure in the
23	section
24	A. I have not.
25	Q in these two sections?

Page 36 Α. I have not. 1 2 Ο. What do you see with respect to dip in Sections 3 and 34? 3 Α. With us drilling parallel to the structure 4 contours, it's minimal dip. 5 Is Exhibit 11 basically what we've seen before 6 Ο. broken with a line of section drawn on it? 7 Α. Yes. It's a line of section of A to A prime, 8 northeast to southwest. 9 Did you use two wells for your well control for 10 Ο. the cross-section exhibit? 11 12 Α. T did. Are these wells considered representative of 13 0. 14 the wells in the area? 15 Α. They are. What is Exhibit 12? 16 Ο. 17 Α. Exhibit 12 is the cross section that we just pointed out, A to A prime, northwest to southeast. 18 What it is highlighting is the structural cross section 19 showing our lateral interval target, and we see 20 21 relatively uniform thickness and reservoir continuity throughout the area. 22 23 You mentioned your landing interval is 0. 24 bracketed here in green, correct? 25 Yes, ma'am. Α.

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1	Q. Based on your study of this area, have you
2	identified any geologic hazards to drilling two-mile
3	wells?
4	A. I have not.
5	Q. And do you believe that the area can be
6	efficiently and economically developed by horizontal
7	wells?
8	A. I do.
9	Q. Do you believe that each quarter-quarter
10	section will contribute more or less equally to
11	production from the well?
12	A. Yes.
13	Q. And I believe we already discussed this for the
14	23H well and the 24H well. Will these two wells comply
15	with the 330-foot setbacks?
16	A. They will.
17	Q. In your opinion, will granting COG's
18	application be in the best interest of conservation, for
19	the prevention of waste and the protection of
20	correlative rights?
21	A. I do.
22	Q. Did you prepare Exhibits 10 through 12, or were
23	they prepared under your direction and supervision?
24	A. They were.
25	MS. KESSLER: Mr. Examiners, I'd move

Page 38 admission of 10 through 12. 1 2 MR. MORGAN: No objection. EXAMINER McMILLAN: Exhibits 10 through 12 3 may now be accepted as part of the record. 4 5 (COG Operating, LLC Exhibit Numbers 10 6 through 12 are offered and admitted into 7 evidence.) MS. KESSLER: That concludes my direct. 8 9 CROSS-EXAMINATION BY MR. MORGAN: 10 In your capacity with COG, how long have you 11 0. 12 been reviewing materials, data specifically for this particular project? 13 14 Α. For this -- in this particular area? 15 Q. Yeah, in this particular area. 16 Probably a year-and-a-half to two years. Α. 17 Q. That's my only question. CROSS-EXAMINATION 18 BY EXAMINER McMILLAN: 19 Okay. The question I have -- so are you -- for 20 Q. both of these wells, are you landing in almost the same 21 point? 22 23 We're targeting -- well, I mean, we're Α. 24 targeting the same shale package within the proration unit, yes. 25

Page 39 And the question I have -- I don't know if 1 Ο. 2 you're the correct person to ask. But what happens if you only drill one of the wells? What will happen to 3 4 the order if you drill and complete one well and not the 5 other well? I'm not sure who the correct person is to 6 ask. 7 MS. KESSLER: I would be happy to talk about that. 8 9 EXAMINER McMILLAN: Yeah. Okav. 10 MS. KESSLER: Our proposal here is both of the wells will be drilled, that the first one will be --11 I mean, as we discussed, they'll be drilled 12 So that is COG's plan at this time. 13 back-to-back. Both wells are on the drilling schedule. 14 15 EXAMINER McMILLAN: So then what's going to happen if you complete one well 320 acres and only 80 16 17 acres in the other one? Okay? How is that going to affect the compulsory pooling order? 18 MS. KESSLER: I don't believe it will, 19 The ownership is identical throughout the 20 Mr. Examiner. 21 spacing unit, so it wouldn't have any effect on the interest owners. But there will be -- both wells will 22 23 penetrate all quarter-quarter sections as far as we 24 participate. And if for some reason they do not, we can 25 come back in front of the Division.

Page 40 1 EXAMINER BROOKS: Do you contemplate that 2 you'll be giving your final -- sending out final pre-drill layout, AFE, for the two simultaneously, 3 4 therefore triggering simultaneous production in the two? 5 MS. KESSLER: That's correct. 6 EXAMINER BROOKS: I understand. Go ahead. 7 EXAMINER McMILLAN: Do you have questions to ask? 8 9 EXAMINER BROOKS: I don't have any more questions. 10 Oh, yeah. Well, you haven't 11 12 cross-examined. 13 MR. MORGAN: I have one question. 14 EXAMINER BROOKS: Well, I have one question. 15 THE WITNESS: Yes. 16 17 CROSS-EXAMINATION BY EXAMINER BROOKS: 18 When is this on the drilling schedule? 19 0. It's currently on our drilling schedule -- I 20 Α. don't know the exact date, but I believe later this 21 month. 22 Later this month? 23 0. 24 Later this month, I believe. Α. 25 Thank you. My surprise was only because the Q.

Page 41 last one was February, and I thought that was awfully 1 2 prompt. MR. MORGAN: I don't have any further 3 questions. I didn't know if you did, Mr. Examiner. 4 5 EXAMINER McMILLAN: No. 6 EXAMINER BROOKS: Do you have any more 7 questions? EXAMINER McMILLAN: 8 No. 9 EXAMINER BROOKS: The witness may step down. 10 EXAMINER McMILLAN: Final statements? 11 12 EXAMINER BROOKS: Do you have witnesses? 13 MR. MORGAN: We have no witnesses. 14 EXAMINER McMILLAN: Sorry about that. 15 MR. MORGAN: You're okay. EXAMINER BROOKS: Okay. Closing 16 17 statements? MR. MORGAN: Would you like to reserve your 18 right? 19 20 MS. KESSLER: Yeah. Why don't you go ahead? 21 22 CLOSING ARGUMENT 23 MR. MORGAN: Absolutely. 24 Mr. Examiners, our position is simply that the statute requires that good faith be shown by the 25

Page 42 operator -- by the Applicant and that an opinion alone 1 2 absent actual evidence of market rates, good faith, et 3 cetera with respect to bonuses of these provisions under the statute -- for that reason, we have requested the 4 Division deny the application for compulsory pooling 5 6 based on that ground. 7 In the alternative, I would move that the Division continue the hearing so that further 8 negotiations may be undertaken so that evidence of those 9 actual numbers can be provided rather than --10 EXAMINER BROOKS: How long has the 11 12 negotiation gone on? I don't remember in this case. Ι get it confused. 13 MR. MORGAN: I've not been involved in the 14 whole process. 15 16 MS. KESSLER: Since September. MR. MORGAN: 17 The initial letter was in 18 September. EXAMINER BROOKS: The same time as the last 19 20 one. 21 MR. MORGAN: Yes. 22 EXAMINER BROOKS: Thank you. 23 CLOSING ARGUMENT 24 MS. KESSLER: Mr. Examiner, this case, as with the other case, I think that good faith is plainly 25

Page 43 demonstrated to the Division. COG's landman negotiated 1 2 with an attorney three to four times a week to get some sort of agreement together. Unfortunately, an agreement 3 was not reached. That is something that happens. 4 In this particular case, I believe that COG's landman went 5 above and beyond the terms of good faith, and we'd ask 6 7 simply that this case be taken under advisement. EXAMINER BROOKS: Okay. Well, thank you. 8 9 Mr. Examiner? 10 EXAMINER McMILLAN: Okay. Case Number 15609 shall be taken under advisement. 11 With that, I believe that concludes today's 12 docket. 13 14 (Case Number 15609 concludes, 3:03 p.m.) 15 16 17 18 19 20 21 22 23 24 25

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1	STATE OF NEW MEXICO
2	COUNTY OF BERNALILLO
3	
4	CERTIFICATE OF COURT REPORTER
5	I, MARY C. HANKINS, Certified Court
6	Reporter, New Mexico Certified Court Reporter No. 20,
7	and Registered Professional Reporter, do hereby certify
8	that I reported the foregoing proceedings in
9	stenographic shorthand and that the foregoing pages are
10	a true and correct transcript of those proceedings that
11	were reduced to printed form by me to the best of my
12	ability.
13	I FURTHER CERTIFY that the Reporter's
14	Record of the proceedings truly and accurately reflects
15	the exhibits, if any, offered by the respective parties.
16	I FURTHER CERTIFY that I am neither
17	employed by nor related to any of the parties or
18	attorneys in this case and that I have no interest in
19	the final disposition of this case.
20	
21	
22	MARY C. HANKINS, CCR, RPR Certified Court Reporter
23	New Mexico CCR No. 20 Date of CCR Expiration: 12/31/2017
24	Paul Baca Professional Court Reporters
25	