

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

IN THE MATTER OF THE HEARING CALLED  
BY THE OIL CONSERVATION DIVISION FOR  
THE PURPOSE OF CONSIDERING:

APPLICATION OF CIMAREX ENERGY COMPANY      CASE NOS. 20746,  
FOR COMPULSORY POOLING, EDDY COUNTY,      20748  
NEW MEXICO.

REPORTER'S TRANSCRIPT OF PROCEEDINGS

## EXAMINER HEARING

September 6, 2019

Santa Fe, New Mexico

BEFORE: KATHLEEN MURPHY, CHIEF EXAMINER  
MICHAEL McMILLAN, TECHNICAL EXAMINER  
DYLAN ROSE-COSS, TECHNICAL EXAMINER  
DANA Z. DAVID, LEGAL EXAMINER

This matter came on for hearing before the New Mexico Oil Conservation Division, Kathleen Murphy, Chief Examiner; Michael McMillan and Dylan Rose-Coss, Technical Examiners; and Dana Z. David, Legal Examiner, on Friday, September 6, 2019, at the New Mexico Energy, Minerals and Natural Resources Department, Wendell Chino Building, 1220 South St. Francis Drive, Porter Hall, Room 102, Santa Fe, New Mexico.

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# APPEARANCES

FOR APPLICANT CIMAREX ENERGY COMPANY:

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1 (10:42 a.m.)

2 EXAMINER MURPHY: I believe that brings us  
3 to the Cimarex Energy cases, and those are numbers 46,  
4 47, 48 and 49.

5 Is that correct?

6 MR. HOUGH: Yes, and also including 20745,  
7 so it would be four applications we have today.

8 EXAMINER MURPHY: Are they combined?

9 MR. HOUGH: The two that will be combined  
10 are 746 and 748, Parkway wells, and the other two are  
11 separate.

12 EXAMINER MURPHY: Which ones will you bring  
13 first?

14 MR. HOUGH: We can start with the Parkway  
15 ones, so that would 20746 and 20748.

16 EXAMINER MURPHY: Okay. Cases 20746 and  
17 20748 will be heard next. This is application of  
18 Cimarex Energy for compulsory pooling in Eddy County,  
19 New Mexico.

20 Call for appearances.

21 MR. HOUGH: Lance Hough on behalf of  
22 Cimarex Energy Co.

23 EXAMINER MURPHY: Any other appearances?

24 MR. BRUCE: Jim Bruce representing  
25 Mewbourne Oil Company.

1 I have no witnesses, and I have no  
2 objection to the case being presented by affidavit.

3 EXAMINER MURPHY: Are you here for the  
4 exhibits?

5 MR. BRUCE: Yeah, but I can wait until the  
6 end.

7 MR. HOUGH: Yeah. I'll get you a packet.

8 MR. BRUCE: Yeah. You can do it later.

9 EXAMINER MURPHY: Are there any other  
10 appearances?

11 MR. HOUGH: Appears not.

12 EXAMINER MURPHY: Any witnesses?

13 MR. HOUGH: None. I just have affidavit  
14 testimony.

15 EXAMINER MURPHY: Please proceed.

16 MR. HOUGH: As I mentioned, I'd like to  
17 present this case by affidavit, and I'm looking for one  
18 moment for the affidavits relevant to this case.

19 So I'll start with the Tab A packet. This  
20 is the affidavit of Riley Morris. As he provides here,  
21 he is a landman working on behalf of Cimarex Energy, and  
22 he has previously been qualified to testify by the  
23 Division as an expert in petroleum land matters, and his  
24 credentials were accepted as a matter of record by the  
25 Division. He provides that he's familiar with these two

1 predictions, and he provides these two cases involve  
2 request for orders from the Division for compulsory  
3 pooling of interests who have refused to voluntarily  
4 pool their interests in the proposed Bone Spring  
5 horizontal spacing units, which are described below, and  
6 wells to be drilled horizontally, spacing units.

7 EXAMINER DAVID: I'm sorry. Just stop  
8 here. Let's go on record that we're going to accept the  
9 affidavit as an expert witness.

10 MR. HOUGH: Okay. I'll move to -- that  
11 Mr. Morris be qualified as an expert in petroleum land  
12 matters.

13 EXAMINER MURPHY: He is so qualified.

14 EXAMINER McMILLAN: Any objections, Jim?

15 MR. BRUCE: I have no objection.

16 EXAMINER MURPHY: So qualified.

17 MR. HOUGH: Thank you.

18 So I was just providing that these two  
19 units for these wells are located in the north half of  
20 Sections 16 and 17, Township 19 South, Range 29 East,  
21 and that's in Eddy County, New Mexico.

22 Now, prior to filing these applications,  
23 Cimarex made a good-faith effort to obtain the voluntary  
24 joinder of the working interest owners in the proposed  
25 wells. Cimarex identified the working interests and the

1 overriding royalty interest owners from a title opinion.  
2 And then to locate these owners, Cimarex conducted a  
3 diligent search of the public records in the county  
4 where the wells are to be located and conducted a phone  
5 directory and computer Internet searches to locate  
6 contact information on parties entitled to notification.  
7 And then Mr. Morris mailed all working interest owners  
8 well proposals, and that included an authorization for  
9 expenditure in the form of an operating agreement to any  
10 owner who requested one. He provides here that there  
11 is -- no opposition is expected. Prior to filing these  
12 applications, Cimarex contacted the interest owners  
13 being pooled regarding these proposed wells, and the  
14 pooled interest owners have failed or refused to  
15 voluntarily commit their interests in the wells at this  
16 time. Cimarex provided all these working interest  
17 owners and the unleased mineral interest owners and  
18 overriding royalty interest owners with notice of this  
19 application, and I'll touch on that more, the affidavit,  
20 later on. And no one else has entered an appearance  
21 here.

22 Now, in his affidavit is a description of  
23 the fact supporting each case for compulsory pooling.  
24 We can start with the first case. It's number 20746.  
25 And in this application, Cimarex is seeking, to the

1 extent necessary, just approving of a 320-acre more or  
2 less Bone Spring horizontal spacing unit, and of course  
3 pooling all uncommitted mineral interests within that  
4 Bone Spring horizontal spacing unit. And that's  
5 underlying the north half-north half of Sections 16 and  
6 17, Township 19 South, Range 29 East in Eddy County, New  
7 Mexico. And this spacing unit will be dedicated to the  
8 Parkway 16-17 State Com 1H well and to be horizontally  
9 drilled. And the application is attached here as -- it  
10 should be Exhibit A under Tab 1 there.

11           Moving forward to the next tab is Exhibit  
12 A2 attached. This is the proposed C-102 for the well,  
13 and this well will develop the Turkey Track; Bone Spring  
14 Pool, with a pool ID of 60660. This is an oil pool.  
15 And producing intervals for this well will be orthodox  
16 and comply with the Division setback requirements, which  
17 for this pool is a statewide requirement. And the first  
18 and last take point will be no closer than 100 feet from  
19 the spacing boundary, and the completed lateral will be  
20 no closer than 330 from the spacing unit boundary.

21           Next is a -- behind the next tab is Exhibit  
22 A3. This is a lease tract map outlining the unit to be  
23 pooled, and then the working interest owners being  
24 pooled, a percentage of their interest is also included  
25 as part of this exhibit. And Cimarex owns a working

1 interest in the unit and has a right to drill the well  
2 thereon.

3 EXAMINER MURPHY: What is their symbol  
4 there? Is it XEC?

5 MR. HOUGH: Yes. XEC represents Cimarex  
6 Energy.

7 So he further provides here that there are  
8 no depth severances within the proposed Bone Spring  
9 spacing unit.

10 On to the next tab, Exhibit A4, this is a  
11 sample well-proposal letter sent to each of the interest  
12 owners seeking voluntary participation in the well.

13 And then behind the next tab is Exhibit A5.  
14 This is the Authorization for Expenditure for the  
15 proposed well, and you'll see the estimated costs for  
16 the well is -- I believe it's 11,774,000, which is fair  
17 and reasonable and is comparable to the cost of other  
18 wells of similar depth and length and completion method  
19 being drilled in this area of New Mexico.

20 So with that, I'll move on to the next  
21 case, unless you have any questions about that one in  
22 particular.

23 This is Case Number 20748.

24 EXAMINER COSS: This well has been drilled  
25 from the west -- or the east to the west instead of the



1 north to the south?

2 MR. HOUGH: That's correct.

3 EXAMINER COSS: And is there a geology --  
4 in here?

5 MR. HOUGH: Yes. There is geology  
6 component to it. So my approach would be to present all  
7 the land materials for both cases, and then I'll move on  
8 to the geology, if that's acceptable.

9 EXAMINER COSS: That's acceptable to me.

10 EXAMINER MURPHY: Proceed.

11 MR. HOUGH: Thank you.

12 So as I was mentioning, Exhibit A6 in the  
13 next tab is the application for Case Number 20748, which  
14 provides what Cimarex is seeking here, again to the  
15 extent necessary, the creation of a 320-acre more or  
16 less Bone Spring horizontal spacing unit, and then  
17 pooling all uncommitted mineral interests within a Bone  
18 Spring horizontal spacing unit underlying the south half  
19 of the north half of Sections 16 and 17, Township 19  
20 South, Range 29 East, Eddy County, New Mexico. This  
21 spacing unit will be dedicated to the Parkway 16-17  
22 State Com 2H. And this will also be horizontally  
23 drilled. This would be, as you mentioned, lay-down or  
24 east to west.

25 And so moving on to the next tab --

1 EXAMINER COSS: The pool again was.

2 MR. HOUGH: The pool is the same as the  
3 last one. This would be shown in -- I guess it's not  
4 shown in this draft C-102, but it is the Turkey Track;  
5 Bone Spring Pool, so the same pool ID, 60660. This  
6 is -- follows the statewide rules for setbacks.

7 And Mr. Morris further provides that this  
8 well will comply with the setbacks and be orthodox, that  
9 it'll no closer than 100 feet from the spacing boundary,  
10 and then the completed laterals will be no closer than  
11 330 feet.

12 The next is Exhibit A8. This is a lease  
13 tract map just like we showed you before for the other  
14 case. This outlines the new pool and the working  
15 interest owners being pooled, and a percentage of their  
16 interest is also provided. Again, Cimarex owns a  
17 working interest in the proposed unit and has a right to  
18 drill a well there. There are also no depth severances  
19 within this proposed Bone Spring spacing unit.

20 The next tab is Exhibit A9. This is the  
21 sample well-proposal letter sent to each of the interest  
22 owners, again, seeking their voluntary participation.

23 And behind the next tab is A10. This is  
24 the Authorization for Expenditure, which was provided  
25 with the proposal letter. And you see there the

1 estimated cost is 11,750,000. And Mr. Morris provides  
2 that this is fair and reasonable and is comparable to  
3 the cost of other wells of similar depth, length and  
4 completion method being drilled in this area of  
5 New Mexico.

6 And he provides that Cimarex requests  
7 overhead and administrative rates of 8,000 a month  
8 during drilling and 800 a month while producing, and he  
9 provides that these rates are fair and comparable to the  
10 rates charged by other operators for wells of this type  
11 in this area of southeast New Mexico and are consistent  
12 with the rates awarded by the Division in recent  
13 compulsory pooling orders. And Cimarex requests that  
14 these rates be adjusted periodically as provided in the  
15 COPAS accounting procedure.

16 Cimarex also requests that it be allowed to  
17 recover its cost for drilling, completing and equipping  
18 each of these wells and a 200 percent risk charge be  
19 assessed against the nonconsenting working interest  
20 owners.

21 Cimarex requests that it be designated the  
22 operator for these two wells, and Cimarex requests that  
23 it allowed a period of one year between when the wells  
24 are drilled and when the first well is completed under  
25 the order. And the parties Cimarex is seeking to pool

1     were notified of this hearing.

2                     And based upon his knowledge of the land  
3     matters involved and his education and training, it is  
4     his expert opinion that the granting of Cimarex's  
5     applications in this case is in the interest of  
6     conservation and the prevention of waste.

7                     He also provides that the exhibits and his  
8     affidavit were prepared by him or compiled from company  
9     business records.

10                    With that, I'd like to move the admission  
11    of Exhibits A through A10.

12                    EXAMINER MURPHY:   Exhibits A through A10 --

13                    EXAMINER McMILLAN:   No.

14                    EXAMINER MURPHY:    Sorry.

15                    MR. BRUCE:   I have no objection.

16                    EXAMINER MURPHY:    Okay.

17                    EXAMINER McMILLAN:   Go ahead.

18                    EXAMINER MURPHY:    Any objection, Mr. Bruce?

19                    EXAMINER McMILLAN:   He said no.

20                    EXAMINER MURPHY:    Okay.   Exhibits A through  
21    A10 are accepted.

22                    (Cimarex Energy Company Exhibits A through  
23    A10 are offered and admitted into  
24    evidence.)

25                    MR. HOUGH:   Thank you.

1                   Can I answer any questions regarding this  
2     portion, or I can move on to the geology components.

3                   EXAMINER MURPHY:   Any questions?

4                   I have no questions.

5                   EXAMINER COSS:    I'm curious.   You said  
6     8,000 per month while drilling and 8,000 post-drilling?

7                   MR. HOUGH:   800 is what I meant.   I think  
8     that's what we have here in the affidavit.   Let me  
9     double-check rather than testifying to that.

10                  So his affidavit here provides, yeah, that  
11     Cimarex is requesting overhead and administrative rates  
12     of 8,000 a month during drilling and 800 per month while  
13     producing.

14                  EXAMINER DAVID:   Let's clarify for the  
15     record.   That's paragraph nine of Exhibit A.

16                  MR. HOUGH:   That's correct.   Thank you.

17                  EXAMINER COSS:    I don't have any other  
18     questions.

19                  EXAMINER McMILLAN:   I get confused by their  
20     OGRID, so verify the OGRID.

21                  And do these wells have an API?

22                  MR. HOUGH:   No API on this yet.

23                  And the OGRID --

24                  EXAMINER McMILLAN:   They have two active  
25     OGRIDs, and it's utterly confusing.

1 MR. HOUGH: Yeah. The OGRID number is  
2 215099.

3 EXAMINER COSS: So these are correct  
4 C-102s?

5 MR. HOUGH: That is my understanding. Yes.

6 EXAMINER COSS: When can we expect to get  
7 completed C-102s?

8 MR. HOUGH: I would have to verify with  
9 Cimarex. They may be waiting on the pooling order to  
10 have a -- to get a final one, but I can follow up with  
11 them if necessary. I think maybe they're just waiting  
12 for the pooling order.

13 EXAMINER COSS: That sounds fair.

14 EXAMINER DAVID: Just to -- just to clarify  
15 the record. So I noticed on the applications, there are  
16 no case numbers on it, so -- and I think this is  
17 explaining the affidavit. But for the sake of the  
18 record, for Exhibit A1, this is for Case Number 20746;  
19 is that correct?

20 MR. HOUGH: That's correct.

21 EXAMINER DAVID: And for Exhibit A6, that  
22 would be for 20748?

23 MR. HOUGH: That's correct.

24 EXAMINER DAVID: Thank you.

25 MR. HOUGH: Without any further questions,

1 I'll move on to the geology component in this case.  
2 That would be behind Tab B. You'll find the affidavit  
3 of Staci Mueller. She provides here that she is a  
4 geophysicist for Cimarex Energy Company, and she has  
5 been qualified by the Oil Conservation Division as an  
6 expert in petroleum geology matters, and her credentials  
7 were accepted as a matter of record by the Division.  
8 And she provides she conducted a geological study of the  
9 area that encompasses the horizontal spacing units that  
10 is the subject of Cimarex's application and that she is  
11 familiar with the geological matters involved in this  
12 case.

13 At this time I'd like to move to have  
14 Ms. Mueller qualified as an expert in petroleum geology  
15 matters.

16 MR. BRUCE: No objection.

17 EXAMINER COSS: She has been sworn in  
18 before as an expert?

19 MR. HOUGH: Yes. That's correct.

20 EXAMINER MURPHY: So qualified.

21 MR. HOUGH: Thank you.

22 She provides that as part of her study, she  
23 prepared the following geological exhibits with respect  
24 to the horizontal spacing unit. They're attached to her  
25 affidavit.

1                   Turning to the next exhibit there, it's B1.  
2   This is a structure map of the base of the 3rd Bone  
3   Spring Formation. It identifies the areas of interest  
4   for the two proposed units with a red line, and then the  
5   proposed wells are identified there with a black line as  
6   well. And it shows that the structure is relatively  
7   consistent across the proposed unit and dips slightly to  
8   the south and southeast of the area.

9                   Moving to the next exhibit, B2, this is a  
10   net porosity map for the 3rd Bone Spring Sand Formation,  
11   and it shows the formation is relatively uniform across  
12   the proposed units, and the closest log control suggests  
13   a range of net porosity between approximately 100 feet  
14   and 200 feet. And this map also identifies again the  
15   area of interest with the red outline. It's somewhat  
16   hard to see there with the coloring, but it's there, and  
17   also the wells with the black lines.

18                  Moving to the next tab, Exhibit B3, this is  
19   a reference map with the stratigraphic cross section.  
20   This exhibit identifies the cross-section wells in  
21   proximity to the proposed well with a gray line going  
22   from A to A prime and includes the well names there.

23                  Moving to -- the next tab is Exhibit B4,  
24   which is a stratigraphic cross section hung on the top  
25   of the Wolfcamp Formation. And the well logs and the



1 cross section give a representative sample of the 3rd  
2 Bone Spring Formation in the area, which is the target  
3 zone for the proposed wells, and the well logs also  
4 shows the formation is relatively consistent across the  
5 area. And the target zone is identified there outlined  
6 in red with the arrow simply stating the target.

7                   Moving to the next exhibit, Exhibit B5,  
8 this is the Parkway 16-17 development plan. This  
9 includes the wine-rack diagram, and this diagram  
10 identifies the proposed two-mile wells within the north  
11 half section of Sections 16 and 17. And, again, just  
12 the area of interest is identified with red shading.

13                   So she provides that based upon her studies  
14 and illustrated exhibits, her knowledge of geology in  
15 the area and education and training, it is her expert  
16 opinion that two horizontal spacing units are justified  
17 from a geologic standpoint. There are no structural  
18 impediments that will interfere with the horizontal  
19 development, and each quarter-quarter section in the  
20 unit will contribute more or less equally to production.  
21 She also provides the preferred well orientation in the  
22 area is east to west. This is due to the fact that the  
23 regional max horizontal stress orientation in this area  
24 runs approximately north to south. She also provides  
25 that the producing intervals for each of these wells

1 will be orthodox and comply with the Division setback  
2 requirements.

3 So with that, I move for the admission of  
4 Exhibits B through B5.

5 MR. BRUCE: No objection.

6 EXAMINER MURPHY: So accepted, B through  
7 B5.

8 (Cimarex Energy Company Exhibits B  
9 through B5 are offered and admitted into  
10 evidence.)

11 MR. HOUGH: Unless there are any questions,  
12 I will move on to --

13 EXAMINER COSS: Staci is her name?

14 MR. HOUGH: Yes.

15 EXAMINER COSS: Would she be able to  
16 provide kind of a more general basin location for this  
17 and the Zoback figure that illustrates the stress  
18 direction here to prove her case for the well  
19 orientation?

20 MR. HOUGH: Okay. So you're looking for a  
21 locator map, as you mentioned, that has been zoomed out  
22 to locate this well's location in the general area?

23 EXAMINER COSS: And some sort of figure  
24 citation that validates a stress-direction claim.

25 MR. HOUGH: Of course.

1 EXAMINER MURPHY: The location map.

2 EXAMINER COSS: The location map could  
3 prove that. It could be one and the same.

4 EXAMINER MURPHY: It includes the Capitan  
5 Reef.

6 MR. HOUGH: Okay. We'll submit that by  
7 email, if that is acceptable.

8 EXAMINER COSS: That is acceptable.

9 EXAMINER McMILLAN: Do you have any  
10 questions?

11 EXAMINER DAVID: No, I don't.

12 MR. HOUGH: All right. I'll move on to the  
13 final component. This is Exhibit C. This is my  
14 affidavit here providing that, as an authorized  
15 representative OF Cimarex, we provided the application  
16 and notice letters of this hearing and proof of the  
17 mailing, and then the status of the mailing reports.  
18 And publication in the newspaper are attached to my  
19 affidavit.

20 And I provide here that Cimarex conducted a  
21 good-faith, diligent effort to find the names and  
22 correct addresses for the interest owners entitled to  
23 receive notice of the applications and provide notice to  
24 each of them at their last known address.

25 So with that, I would move for the

1 admission of Exhibit C and the attachments.

2 EXAMINER MURPHY: Mr. Bruce?

3 EXAMINER DAVID: Mr. Bruce, any objection?

4 MR. BRUCE: No objection.

5 EXAMINER MURPHY: So Exhibit C is accepted.

6 (Cimarex Energy Company Exhibit C is

7 offered and admitted into evidence.)

8 MR. HOUGH: Are there any further questions  
9 at this time?

10 EXAMINER DAVID: I'll just note for the  
11 record on notice issues that page 2, paragraph four of  
12 the affidavit does explain the good-faith efforts of the  
13 Applicant to notify all interested parties, and also in  
14 the affidavit that appears at Exhibit C does state that  
15 notices were sent to all of the interested parties that  
16 were identified by the Applicant.

17 EXAMINER McMILLAN: And the statement of  
18 Riley Morris, paragraph five, says that -- okay. So I  
19 guess I'm not clear. Who -- who are you -- who are you  
20 pooling?

21 MR. HOUGH: So for this case, it's -- right  
22 now it's all the working interest holders. They're  
23 listed in, I believe, Exhibits A3 and A8. I do know  
24 that Cimarex is very close to reaching an agreement with  
25 Mewbourne, my understanding. But all the working

1 interest holders are listed there that they're seeking  
2 to pool.

3 EXAMINER McMILLAN: What about overrides?

4 MR. HOUGH: They are seeking to the pool  
5 the overrides as well, although they're not listed in  
6 this particular one. This is the list of the working  
7 interest holders.

8 EXAMINER McMILLAN: Well, so where is --  
9 where is the exhibit that shows that?

10 MR. HOUGH: The overrides?

11 EXAMINER McMILLAN: Yeah, that are being  
12 pooled.

13 MR. HOUGH: It's not provided in this set  
14 of exhibits that I've provided at this time. I do note  
15 that notice has been sent out to them, but I don't have  
16 that actual exhibit right now. Just to be clear,  
17 they're all identified in our list of individuals we  
18 provided notice to, and they're also listed there in the  
19 publication.

20 EXAMINER McMILLAN: Well, provide that list  
21 to us.

22 MR. HOUGH: The list is --

23 EXAMINER McMILLAN: I want a breakdown of  
24 the overrides. I want to -- I want to know who -- the  
25 names of those affected parties, will be supplemented to

1 the record. And you will also -- and you will also be  
2 expected to supply that to Mewbourne's attorney.

3 MR. HOUGH: Will do. Thank you.

4 Unless there are any further questions, I  
5 would move that these cases be taken under advisement,  
6 of course with my supplementation for the locator map  
7 and evidence supporting the stress direction and then  
8 the list of overrides.

9 EXAMINER McMILLAN: Jim, do you have any  
10 objections?

11 MR. BRUCE: No objection.

12 EXAMINER MURPHY: Case 20746 and Case 20748  
13 will be taken under advisement.

14 MR. HOUGH: Thank you.

15 (Case Numbers 20746 and 20748 conclude,  
16 11:09 a.m.)

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1 STATE OF NEW MEXICO  
2 COUNTY OF BERNALILLO

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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 DATED THIS 6th day of October 2019.

21

22

23 MARY C. HANKINS, CCR, RPR  
24 Certified Court Reporter  
25 New Mexico CCR No. 20  
Date of CCR Expiration: 12/31/2019  
Paul Baca Professional Court Reporters