

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 FRANKLIN MOUNTAIN CASE NOs. 20773,
ENERGY, LLC FOR COMPULSORY POOLING, 20774, 20777
LEA COUNTY, NEW MEXICO.

REPORTER'S TRANSCRIPT OF PROCEEDINGS

EXAMINER HEARING

September 5, 2019

Santa Fe, New Mexico

BEFORE: WILLIAM V. JONES, CHIEF EXAMINER
KATHLEEN MURPHY, 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, William V. Jones, Chief Examiner; Kathleen Murphy and Dylan Rose-Coss, Technical Examiners; and Dana Z. David, Legal Examiner, on Thursday, September 5, 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.

REPORTED BY: Mary C. Hankins, CCR, RPR
New Mexico CCR #20
Paul Baca Professional Court Reporters
500 4th Street, Northwest, Suite 105
Albuquerque, New Mexico 87102
(505) 843-9241

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APPEARANCES

FOR APPLICANT FRANKLIN MOUNTAIN ENERGY, LLC:

DEANA M. BENNETT, ESQ.
NICOLE RUSSELL, ESQ.
MODRALL, SPERLING, ROEHL, HARRIS & SISK, P.A.
500 4th Street, Northwest, Suite 1000
Albuquerque, New Mexico 87102
(505) 848-1800
deanab@modrall.com

FOR INTERESTED PARTY XTO ENERGY:

KAITLYN A. LUCK, ESQ.
HOLLAND & HART, LLP
110 North Guadalupe, Suite 1
Santa Fe, New Mexico 87501
(505) 988-4421
kluck@hollandhart.com

FOR INTERESTED PARTY BTA OIL PRODUCERS, LLC:
(Case Numbers 20773 and 20774)

JAMES G. BRUCE, ESQ.
Post Office Box 1056
Santa Fe, New Mexico 87504
(505) 982-2043
jamesbruc@aol.com

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(4:09 p.m.)

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EXAMINER JONES: Let's call Cases 20773,
20774 and 20777, application of Franklin Mountain
Energy, LLC for compulsory pooling in Lea County, New
Mexico.

7

Call for appearances.

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11

MS. BENNETT: Good afternoon. My name is
Deana Bennett, and I'm with Modrall, Sperling. I'm here
today with Nicole Russell also from Modrall, Sperling,
and we represent Franklin Mountain Energy, LLC.

12

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MS. LUCK: And Kaitlyn Luck, with the
Santa Fe office of Holland & Hart, appearing in these
three cases on behalf of XTO Energy.

15

16

17

MR. BRUCE: Mr. Examiner, Jim Bruce of
Santa Fe representing BTA Oil Producers, LLC in the
first two cases, 773 and 774.

18

I have no witnesses.

19

20

EXAMINER JONES: But XTO is in all three of
these cases?

21

MS. LUCK: That's correct. Yes.

22

23

EXAMINER JONES: Any other appearances?
Okay. Do you have witnesses?

24

MS. BENNETT: Yes. We have two witnesses.

25

EXAMINER JONES: Will the witnesses please

1 stand and the court reporter please swear the witnesses?

2 (Ms. Albrecht and Mr. Kessel sworn.)

3 MS. BENNETT: At this time I'd call my
4 first witness, Ms. Shelly Albrecht.

5 SHELLY ALBRECHT,

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

8 DIRECT EXAMINATION

9 BY MS. BENNETT:

10 Q. Good afternoon.

11 Will you please state your name for the
12 record?

13 A. Shelly Albrecht.

14 Q. And for whom do you work and in what capacity?

15 A. Franklin Mountain Energy, LLC as operator and
16 Franklin Mountain Energy 2, LLC as nonoperator. I'm the
17 director of land.

18 Q. What are your responsibilities as the director
19 of land?

20 A. I handle acquisitions, divestitures, trades,
21 title review, title curative, owner relations. Pretty
22 much any land function at Franklin Mountain, I handle.

23 Q. Franklin Mountain Energy, or FME, is a
24 relatively new company to New Mexico, so I was wondering
25 if you could just give a little bit of background about

1 **FME, like when FME was formed, what sort of acreage FME**
2 **has.**

3 A. Sure. So the Franklin Mountain Energy entities
4 were formed in August and September -- incorporated
5 formally in August and September of 2018, so we're
6 privately backed by a gentleman by the name of Paul
7 Foster. Paul Foster is a New Mexico native, which is a
8 big reason why we are now doing business in the state of
9 New Mexico.

10 Our position is comprised of 9,500 net
11 acres, and we have five operated wells. We acquired
12 roughly half of our position from Fed lease sales and
13 the other half through the last marketed package of
14 OneEnergy Partners. And with that acquisition of
15 OneEnergy Partners, we also have brought over some of
16 the experts and personnel from that company who worked
17 some of these assets and specifically the lands under
18 these cases.

19 **Q. Thank you.**

20 **Have you previously testified before the**
21 **Division?**

22 A. No, I have not.

23 **Q. Let's talk a bit about your background then.**

24 **Can you explain to the examiners your educational**
25 **experience, where you went to college and when you**

1 **graduated?**

2 A. Sure. So I went to the University of Oklahoma.
3 I graduated with a bachelor's in business administration
4 and energy management in 2006.

5 **Q. And since 2006, have you been working in the**
6 **industry?**

7 A. Yes. Well, I've actually been working in the
8 industry prior to graduating. I've been doing land work
9 for approximately 14 years now. I've worked with big
10 companies like BP down to our now 12-person company at
11 Franklin Mountain. So I've seen various sizes of
12 companies, various basins and various types and
13 complexity of land work.

14 **Q. And so you've worked for BP, Samson Resources,**
15 **Newfield and Liberty. And for those companies, you were**
16 **doing similar work -- similar to what you're doing for**
17 **Franklin Mountain?**

18 A. Yes.

19 **Q. And would you say that over time, though, your**
20 **responsibilities have grown as the complexities of the**
21 **project have grown?**

22 A. Absolutely.

23 **Q. Are you a member of any professional**
24 **organizations like AAPL or any other professional**
25 **landman associations?**

1 A. Yes, I am. So I'm an active member of the
2 AAPL, the landman national association; the PBLA, the
3 Permian Basin Landmen's Association; and the DAPL, the
4 Denver Association of Petroleum Landmen.

5 **Q. Have you testified before any other state**
6 **regulatory agencies that are similar to the OCD?**

7 A. Yes. I've done extensive work with the NDIC in
8 North Dakota and the WOGCC in Wyoming.

9 **Q. About how many times, if you had to guess,**
10 **would you say you've testified before those two entities**
11 **or other similar entities?**

12 A. I've been involved in a multiple of cases
13 contested and not. I would say I've testified in about
14 30 cases.

15 **Q. Does your area of responsibility at FME include**
16 **the area of Lea County in New Mexico?**

17 A. Yes, it does.

18 **Q. Are you familiar with the applications that**
19 **have been filed in these three cases?**

20 A. Yes, I am.

21 **Q. Are you familiar with the status of the lands**
22 **that is the subject of these three cases?**

23 A. Yes, I am.

24 MS. BENNETT: At this time I'd like to
25 tender Ms. Albrecht as an expert in petroleum land

1 matters.

2 EXAMINER JONES: Any objection?

3 MS. LUCK: No objection.

4 MR. BRUCE: No objection.

5 EXAMINER JONES: Are you downtown Denver,
6 or are you --

7 THE WITNESS: We're actually in Cherry
8 Creek. That's where our offices are.

9 EXAMINER JONES: Oh, that's right. I think
10 you told us that earlier.

11 She's so qualified.

12 THE WITNESS: It's a five-and-a-half-hour
13 drive.

14 EXAMINER JONES: Just take Colorado
15 Boulevard on up, huh?

16 THE WITNESS: Yeah.

17 MS. BENNETT: Thank you.

18 **Q. (BY MS. BENNETT) So before we start discussing**
19 **these three applications in these three cases, let's**
20 **briefly talk about FME's overall development plan. Have**
21 **you prepared an exhibit that shows an overview of the**
22 **development for these units that we're discussing today?**

23 A. Yes, I have. Since -- well, due to the
24 consolidated nature of these cases, we thought it would
25 be helpful to help orient you by giving you an overview

1 of our development plans for all of Sections 4 and 9 of
2 24 South, 35 East. So that's the purpose of Exhibit 1.

3 So on Exhibit 1, there are three snapshots.
4 The first one covers -- it outlines our Bone Spring
5 proration units we've proposed overlaid with the
6 Wolfcamp. So the Bone Spring are going to be the pink
7 outlines, the stand-up 320s north-south, and then the
8 Wolfcamp will be the green lines, capturing the west
9 half and the east half of Sections 4 and 9. You see
10 some yellow shading. That indicates where Franklin
11 Mountain entities have leasehold.

12 If you move right to that center snapshot,
13 that's capturing our Bone Spring layout. So you can see
14 each proration unit again in pink, and then we have
15 dotted lines indicating the general proximity of the
16 wellbores on each of those. So we have two wells that
17 will be drilled and completed in the 1st Bone Spring,
18 four wells in the 3rd Bone Spring. And those will be
19 drilled along with the Wolfcamp wells that I'll go over
20 in a minute from two pads generally centrally located on
21 each half on the southern line of Section 9.

22 And then as far as case numbers, the west
23 half-west half Bone Spring proration unit, that's
24 associated with Case Number 20774. The east half of the
25 west half Bone Spring case is 20777.

1 And then if you move over to the last
2 snapshot capturing the Wolfcamp proration units, you'll
3 also see the dotted lines indicating where we generally
4 plan to have those wellbores. And there are three
5 Wolfcamp wells that will be drilled and completed in the
6 west half, and those are dedicated to Case Number 20773.

7 **Q. Thank you.**

8 **With that background in mind then, let's**
9 **turn to the specific applications that we're discussing**
10 **for these three cases that we've consolidated. So**
11 **behind Tab 2 are the applications for these three cases;**
12 **is that right?**

13 A. Yes.

14 **Q. And so Tab 2A is the application for Case**
15 **Number 20773, which are the three Wolfcamp wells; is**
16 **that right?**

17 A. Right.

18 **Q. And what does FME seek in Case Number 20773?**

19 A. So FME seeks to pool uncommitted mineral
20 interests within the Wolfcamp horizontal -- or actually
21 uncommitted leasehold interests in the Wolfcamp
22 horizontal spacing unit underlying the west half of
23 Sections 9 and 4 of 24 South, 35 East, Lea County, New
24 Mexico. The spacing unit will be dedicated to the Ouray
25 Fed Com 702H, Ouray Fed Com 703H, and the Georgetown Fed

1 Com 701H.

2 Q. And are there any depth severances in these
3 proposed spacing units?

4 A. No.

5 Q. Let's turn to Tab 2B. Tab 2B is the
6 application that was submitted in Case Number 20774; is
7 that right?

8 A. That's correct.

9 Q. And could you -- this is one of the Bone Spring
10 applications for the west half-west half?

11 A. Uh-huh. That's correct.

12 Q. And could you explain to the examiners what FME
13 seeks under this applications?

14 A. So FME seeks to pool uncommitted working
15 interest owners in the Bone Spring horizontal spacing
16 unit underlying the west half-west half of Sections 4
17 and 9, 24 South, 35 East. The spacing unit will be
18 dedicated to the Georgetown Fed Com 301H and the
19 Georgetown Fed Com 601H.

20 Q. Are there any depth severances in the proposed
21 Bone Spring spacing units of the west half-west half?

22 A. No, there are not.

23 Q. Let's turn to 2C then. And 2C is the exhibit
24 in Case Number 20777, which is the east half-west half
25 Bone Spring application; is that right?

1 A. Correct.

2 **Q. And what does FME seek under this application?**

3 A. FME seeks to pool all uncommitted working
4 interests within the Bone Spring Formation underlying
5 the east half-west half of Sections 4 and 9 of 24 South,
6 35 East. The spacing unit will be dedicated to the
7 Ouray Fed Com 602H well.

8 **Q. And are there any depth severances here in the**
9 **east half-west half?**

10 A. No, there are not.

11 **Q. All right. Let's turn then to Tab 3. Exhibit**
12 **3 has the C-102s for all of the wells, right?**

13 A. Yes.

14 **Q. And we've designated the C-102s behind Tab A**
15 **for the Wolfcamp wells and Tab B for the Bone Spring**
16 **wells; is that right?**

17 A. Yes.

18 **Q. Let's start with Tab A then. And, again, the**
19 **Tab A Wolfcamp wells correspond to Case Number 20773.**

20 **So has the Division identified a pool and**
21 **pool code for these Wolfcamp wells?**

22 A. Yes. So that's the WC-025-G-09-S253302D
23 wildcat-Upper Wolfcamp Pool, which is pool code
24 WC-98187.

25 **Q. And I think that there might be a typo on our**

1 outline there. I think it's actually S253502D, just to
2 clarify the record.

3 A. Correct.

4 Q. I apologize for that.

5 So are these wells governed by the
6 statewide horizontal pool rules?

7 A. Yes. They're on 40-acre building blocks.

8 Q. Okay. Let's talk first about the C-102 for the
9 701H well. It shows the surface-hole location and the
10 bottom-hole location.

11 I'm sorry. Let's start with the 702.
12 Sorry. I got it out of order. So let's start with the
13 702, since that's the first one in the packet. So same
14 question: This shows the surface-hole location and the
15 bottom-hole location, right?

16 A. Yes.

17 Q. Do you know what the proposed first take point
18 is for this well?

19 A. Yes. So -- for the 702?

20 Q. Uh-huh.

21 A. The first take point is 794 feet from the south
22 line and 1,337 feet from the west line of Section 9.

23 Q. And can you point to the -- on the plat here,
24 it's a little hard to see where the proposed lateral is
25 at, least for me it is.

1 A. Yes. It runs -- it looks like it's running
2 right on the quarter line, but it's actually off of the
3 quarter line in the west half -- well, between the east
4 half and the west half of the west half of 4 and 9. So
5 that well will be our proximity well. So we'll be
6 drilling within the 330 feet.

7 Q. Okay. Great.

8 And so the C-102 for the 703H well is the
9 next C-102 in the packet.

10 A. Uh-huh.

11 Q. And it's the same pool and pool code; is that
12 right?

13 A. Yes.

14 Q. And do you have the first take point for that
15 proposed well for the 703H well?

16 A. Yes. The first take point will be 572 feet
17 from the south line, 2,247 feet from the west line of
18 Section 9.

19 Q. Thank you.

20 And then finally we have the C-102 for the
21 701H well. Same pool and pool code?

22 A. Yes.

23 Q. How about the first take point for that well?

24 A. That one will be 523 feet from the south line
25 and 358 feet from the west line of Section 9.

1 Q. Thank you.

2 Will these wells comply with the setback
3 requirements in the statewide rules?

4 A. Yes, they will.

5 Q. Okay. Let's turn to the C-102s behind Tab B.
6 These are the C-102s for all of the Bone Spring wells.
7 Has the Division identified a pool and pool code for
8 these wells?

9 A. Yes, they have.

10 Q. And what is the pool and pool code?

11 A. So that's the Ojo Chiso; Bone Spring Pool.

12 Q. And the pool code is 96553?

13 A. That's correct.

14 Q. And is this pool governed by the statewide
15 rules as well?

16 A. Yes.

17 Q. Let's look at the C-102 for the 601H.

18 Sorry. Let's look at the C-102 for the
19 301H, which is the first one in the packet. It shows
20 the surface-hole location and the bottom-hole location,
21 right, but not the first take point?

22 A. Right.

23 Q. Do you have the first take point for that one?

24 A. I do. For the 301H, the first take point is
25 624 feet from the south line, 386 feet from the west

1 line of Section 9.

2 Q. Great.

3 And turning to the next page, page 18,
4 that's the C-102 for the 601H well. What is the first
5 take point for that well?

6 A. The first take point for that one is 402 feet
7 from the south line, 373 feet from the west line of
8 Section 9.

9 Q. Thanks.

10 And then finally on page 19, we have the
11 602H C-102. What's the proposed first take point for
12 this well?

13 A. That one will be 443 feet from the south line,
14 2,223 from the west line of Section 9.

15 Q. Thank you.

16 And will these wells comply with the
17 setback requirements in the statewide rules?

18 A. Yes, they will.

19 Q. Thanks.

20 Okay. Let's turn to Exhibit 4. Exhibit 4
21 has two tabs, Tab A and Tab B, right?

22 A. That's correct.

23 Q. Tab A is your lease tract map showing the lease
24 acreage, and then Tab B has the summary of interests; is
25 that right?

1 A. Right.

2 **Q. So let's start with Tab 4A. Can you briefly**
3 **explain to the examiners what these three plats show?**

4 A. So the three plats -- it's a lease tract map.
5 It just shows you the boundaries of each leases within
6 these two sections. The leases are distinct by the
7 patterns that is on each one, and then they're also
8 labeled. I'll note that these are all Fed-leased
9 minerals. And then also one other thing to note is the
10 red rectangles are just to depict the proposed proration
11 units under this case.

12 **Q. So this first tract map is for Case Number**
13 **20773. So it's the complete west half because that's**
14 **what you're seeking for the Wolfcamp?**

15 A. Correct.

16 **Q. And then the next page, page 21, for 20774, is**
17 **the west half-west half?**

18 A. Correct, for the Bone Spring.

19 **Q. For the Bone Spring.**

20 And the next page, 22, shows the tract map
21 for 20777, which is the east half-west half of Bone
22 Spring?

23 A. Correct.

24 **Q. Then let's look at Exhibit Tab B. So, again,**
25 **there are three pages behind Tab B, one for each case,**

1 **showing a summary of the interests for each case?**

2 A. Right. So these are just the interest
3 breakdowns for each of the proration units. We captured
4 the committed working interests in the top, uncommitted
5 working interests, which include Chevron and XTO,
6 towards the bottom. And we don't have any unleased
7 mineral interests as previously noted.

8 I'll point out that on Case 20773 are
9 combined between our entity interest in terms of working
10 interest about 74 percent. If you look at the next one
11 for Case 20774, it's essentially the exact same
12 breakout, but the interests are a little bit different.
13 Franklin Mountain's combined interests are of majority,
14 approximately 62 percent of the entities combined.

15 Case Number 20777, much the same with
16 slightly different interest and are combined working
17 interests at about 60 percent.

18 **Q. And in each of the three cases, you seek to**
19 **pool the uncommitted working interest owners; is that**
20 **right?**

21 A. Yes.

22 **Q. And for each of the three cases, it's Chevron**
23 **and XTO?**

24 A. That's correct.

25 **Q. Have you been in negotiations and**

1 **communications with Chevron and XTO?**

2 A. We have. We've been in lots of communication
3 with them. We sent a whole well-proposal packet
4 complete with AFEs and JOAs.

5 And XTO actually sent back elections to
6 participate. They just have not sent us a JOA, which
7 we're working through. There are just some last points,
8 and we're kind of fine-tuning, but we're working towards
9 an agreeable JOA.

10 And then with Chevron, we have not yet
11 received elections back from them, but we have been
12 working through the JOA, and we're down to just a couple
13 of changes that we're working through.

14 **Q. And so you're going to continue to have**
15 **discussions with Chevron and XTO even after the hearing**
16 **today?**

17 A. That's correct.

18 **Q. And if anything changes with respect to Chevron**
19 **and XTO, you'll let me know, and I can alert the**
20 **Division?**

21 A. Yes.

22 **Q. Let's turn then to Exhibit 5. Is Exhibit 5 --**
23 **does Exhibit 5 contain the proposal letters that you**
24 **sent out to the working interest owners?**

25 A. Yes, it does.

1 Q. And if you look at 5A, as an example, does the
2 proposal letter show the surface-hole location, the
3 bottom-hole location and then the approximate TVD?

4 A. It does. So the surface- and bottom-hole
5 locations are identified in the Regarding section of the
6 letter, which you'll see highlighted, and then the TVD
7 is identified in the first paragraph of each well
8 proposal letter.

9 Q. And then you've also included the estimate of
10 costs associated with the drilling and the operation in
11 the -- in the proposal letters itself?

12 A. That's correct.

13 Q. But then you also included an AFE with each
14 proposal letter; is that right?

15 A. That's correct.

16 Q. And you sent out proposal letters to every
17 working interest owner?

18 A. Yes.

19 Q. And you sent out separate proposals for each
20 well?

21 A. Yes.

22 Q. So a working interest owner could elect well by
23 well?

24 A. Yes.

25 Q. And so Tab 5 has examples of the proposal

1 letter that you sent out for each of the cases; is that
2 right?

3 A. Yes. They're examples -- I think they're all
4 Chevron examples, but the ones for XTO, who is the other
5 uncommitted party, are identical, essentially.

6 Q. Great.

7 So then Exhibit 6 has the -- turning to
8 Exhibit 6, it has the AFEs for all of the wells behind
9 it, doesn't it?

10 A. Yes.

11 Q. On the AFEs -- again, these were included with
12 the proposal letter?

13 A. They were. Uh-huh.

14 Q. So at the top of the AFE, it has the well name
15 and well number. I've highlighted that for our
16 purposes.

17 A. Yes. That's correct.

18 Q. And then at the bottom, I've also highlighted
19 the total proposed costs.

20 A. Yes. That's correct.

21 MS. BENNETT: So rather than going through
22 each AFE line by line, I think we will just summarize.

23 Q. (BY MS. BENNETT) And you can tell me if I'm
24 wrong or not. So for the 701H well, the 702H well and
25 the 703H well, those all have the same estimated costs;

1 is that right?

2 A. That's correct.

3 Q. And what are they?

4 A. They're all Wolfcamp wells, and our AFEs are
5 the same. So that's \$10,911,225.

6 Q. And how about the 301 and the 602 -- I'm sorry.

7 The 301 has a slightly different AFE?

8 A. So the 301 is 10,416,225 total AFE costs.

9 Q. And then the 601 and 602, what are those
10 proposed costs?

11 A. So those are for the 3rd Bone, and those are
12 10,561,225.

13 Q. Thank you.

14 A. Uh-huh.

15 Q. Have you seen the costs or AFEs for other
16 horizontal wells drilled to this length and depth in
17 this area of New Mexico?

18 A. Yes.

19 Q. Are the costs that FME is estimating -- in your
20 opinion, are the costs of these wells similar to the
21 costs of other horizontal wells drilled to this length
22 and depth in this area of New Mexico?

23 A. Yes. They're similar.

24 Q. In your opinion, who should be appointed
25 operator of these wells?

1 A. Franklin Mountain Energy.

2 Q. And do you have a recommendation for the
3 amounts FME should be paid for supervision and
4 administrative expenses?

5 A. Yes, 7,000 for drilling and 700 for producing
6 rates.

7 Q. And are these amounts equivalent to those
8 normally charged by other operators in this area for
9 horizontal wells of this length and depth in this area?

10 A. Yes.

11 Q. Do you request that these rates be adjusted
12 periodically as provided by the COPAS accounting
13 procedure?

14 A. Yes.

15 Q. Do you -- or does FME request the maximum cost
16 plus the 200 percent risk charge if any pooled working
17 interest owner fails to pay the share of costs for
18 drilling, completing and equipping the wells?

19 A. Yes.

20 Q. Are there -- there are also overriding royalty
21 interests that FME is seeking to pool; is that right?

22 A. Yes.

23 Q. And some of those parties were notified of this
24 hearing; is that right?

25 A. That's correct.

1 Q. And then there are other overriding royalty
2 interest owners that your title -- for which the title
3 work is still ongoing; is that right?

4 A. That's correct.

5 Q. And do you anticipate having that title work
6 done in the next week or so?

7 A. Yeah. I should have it by tomorrow, and we
8 will supplement with notification on those additional
9 overrides if there are any identified.

10 Q. And is the reason that the title work is taking
11 a little bit longer -- and it's only for Section 4 -- or
12 Section --

13 A. Section 4. Uh-huh.

14 Q. And so you had a full title opinion for Section
15 9?

16 A. Uh-huh.

17 Q. But is the reason it's taking a little longer
18 because there was a quiet title action that was taking
19 place, and it has only recently been resolved?

20 A. It was dropped, yeah. There was a title
21 lawsuit involving some parties, and it seemed to have
22 been dismissed. So we will get the title opinion
23 finalized as soon as we can.

24 Q. But you did provide to me notice -- or
25 addresses for the overriding royalty interest owners

1 that you knew of at the time of the application --

2 A. Right.

3 Q. -- at the time we filed the application.

4 Is FME requesting that it be allowed a
5 period of one year between when the wells are drilled
6 and when the first well is completed under the order?

7 A. Yes.

8 Q. Do you have any time constraints on your
9 development plan?

10 A. We do. So we're a small company, and our
11 development plans are right now predicated on the
12 approval of this order. We're hoping to get started as
13 soon as our Fed permits are approved, which we
14 anticipate being by December. So to the extent an order
15 could be approved so we can prosecute that drilling
16 program, we would appreciate it.

17 Q. And when we spoke of the size of the company
18 and your drilling plans, you mentioned something to me
19 that I thought was pretty compelling, which is that this
20 isn't a situation where you can just move around rigs
21 and trade -- you know, trade -- internally trade acreage
22 for other development plans. You have sort of a set
23 schedule, as a smaller company, of what you need to
24 accomplish first and that's this unit?

25 A. That's correct. We don't have other options

1 prepared at this time to -- as alternatives.

2 Q. And so you're hopeful that the timing of this
3 order or the order in these three cases and the other
4 two cases will correspond with or maybe precede the
5 order -- or the approval you get from the BLM?

6 A. That's correct.

7 Q. And you've already been in discussions with
8 BLM, right?

9 A. That's correct.

10 Q. And so -- and earlier we were talking about the
11 efforts that you've undertaken with BLM, and I
12 understand you've already done an on-site?

13 A. Yes. We've done on-sites. Those have been
14 approved. We are working through the EA. I'm not an
15 expert in this area, but we've completed chalkers [sic]
16 one and two, which our regulatory -- head of regulatory
17 considers significant. And so we are on track to get
18 those approvals, and they're encouraged to get those by
19 the end of this year.

20 Q. Thank you.

21 Were Exhibits 1 through 6 prepared by you
22 or under your supervision or compiled from company
23 business records?

24 A. Yes, they were.

25 MS. BENNETT: At this time I would like to

1 move to have Exhibits 1 through 6 be admitted into the
2 record.

3 EXAMINER JONES: 1 through 6, any
4 objection?

5 MS. LUCK: No objection.

6 MR. BRUCE: No objection.

7 EXAMINER JONES: 1 through 6 are admitted.
8 (Franklin Mountain Energy, LLC Exhibit
9 Numbers 1 through 6 are offered and
10 admitted into evidence.)

11 MS. BENNETT: Thank you.

12 I don't have any further questions for
13 Ms. Albrecht.

14 EXAMINER JONES: How about Exhibit 10?

15 MS. BENNETT: I'll be discussing Exhibit 10
16 separately.

17 EXAMINER JONES: Okay.

18 MR. BRUCE: No questions.

19 MS. LUCK: I have no questions.

20 CROSS-EXAMINATION

21 BY EXAMINER MURPHY:

22 **Q. Forgive me. My blood sugar is low. But**
23 **B5 -- 5B, the letter to the working interests for the**
24 **nonconsent risk penalties, is it 300 percent?**

25 A. So in the JOA, it's 300 percent because in the

1 rules and regs here, it's cost plus a 200 percent
2 penalty, which we consider 300 percent over -- if you
3 consider the costs that you recoup. So that's what --
4 most operators are putting 300 percent in the JOAs for
5 that reason.

6 **Q. But in the application, it's 200 for the risk**
7 **plus the --**

8 A. 200 on top of the cost recoupment.

9 **Q. Thank you.**

10 EXAMINER COSS: I do not have any
11 questions.

12 CROSS-EXAMINATION

13 BY EXAMINER JONES:

14 **Q. Well, we can't let her off that easy.**

15 EXAMINER MURPHY: You better because it's
16 4:40.

17 EXAMINER JONES: Oh, yeah. I forgot about
18 that.

19 (Laughter.)

20 **Q. (BY EXAMINER JONES) Are there any changes from**
21 **your applications as far as number of wells? The same**
22 **wells you've got in your applications are for each case;**
23 **is that correct? And there's been no -- like, sometimes**
24 **people drop wells out like COG is doing now, you know.**
25 **They're dropping some wells.**

1 MS. BENNETT: No. The wells that are in
2 the application are the wells that we're seeking the
3 order for today.

4 THE WITNESS: Correct.

5 Q. (BY EXAMINER JONES) And you're going to take a
6 federal permit?

7 A. Yes, which we're working through.

8 Q. You're going to have to get a federal permit to
9 drill.

10 So basically it seems the west half is
11 pretty consistent owners, is that right, I mean across
12 the whole west half? Just difference in the
13 percentages?

14 A. Yeah. There is different ownership in the
15 leases, but it's not all that complicated. It's nice
16 because it's all Fed, big, blocky leases.

17 Q. So some overrides are poolable but others
18 aren't that you've found so far; is that correct?

19 A. We haven't come across any that aren't
20 poolable.

21 Q. Okay. I might have been spacing out and
22 thinking of another case, actually.

23 But we're just talking west half of two
24 sections, Upper Wolfcamp. We know that's for sure. Is
25 there any ownership differences in the entire Wolfcamp

1 **that you know about?**

2 A. No. I think the -- the severances are way
3 deeper.

4 **Q. Okay. And your effort to obtain joinder is --**

5 EXAMINER JONES: Is there a track record in
6 here of that, or she just talks about it?

7 MS. BENNETT: (Indicating.)

8 EXAMINER JONES: It's already been
9 discussed.

10 MS. BENNETT: It has. Uh-huh.

11 **Q. (BY EXAMINER JONES) So the Wolfcamp has got the**
12 **proximity tracts, but the Bone Spring, you're splitting**
13 **those.**

14 A. Correct.

15 **Q. You didn't want to create one Bone Spring?**

16 A. From a land perspective, I would have preferred
17 that. My geologist did not think that was appropriate
18 for well placement.

19 **Q. Okay. Okay.**

20 A. And he overrides me from that perspective, as
21 far as what makes sense for the reservoir.

22 **Q. Okay.**

23 EXAMINER JONES: And, Jim, I wrote down
24 "BTA," but you meant Bean Family --

25 MR. BRUCE: BTA.

1 EXAMINER JONES: You did mean BTA. BTA is
2 not listed here.

3 MR. BRUCE: They just reached an agreement
4 with Franklin Mountain in the last couple of days. I
5 just came for the exhibits basically.

6 EXAMINER JONES: Crossed their T's and
7 dotted their I's.

8 THE WITNESS: We just closed on Tuesday
9 when we got back from the holiday. So --

10 **Q. (BY EXAMINER JONES) But you are proposing a JOA**
11 **to Chevron, right?**

12 A. Uh-huh.

13 **Q. They're not -- they countered the terms of the**
14 **JOA? Is that sometimes what happens?**

15 A. There are always negotiations, especially when
16 it's a big company like Chevron. They have a very
17 standardized approach to things, so we're working
18 through kind of their standard feedback on JOAs. And
19 some of it we've been able to accept -- I mean, the
20 majority, we've been able to accept, but there are a
21 couple of things that didn't make sense to us relative
22 to marketing and some other things. It is actually just
23 two -- two issues that we're working through.

24 **Q. What about the land -- the surface land issues?**
25 **Have you gotten the well pads already leased or --**

1 A. So Jal Public Library Trust owns the surface,
2 and we have progressed our -- we've had ongoing
3 discussions with them. We have a meeting slated for
4 September 17th where our C.O., David Ramsden-Wood, who
5 is here, and our head of regulatory and surface landman
6 will be meeting with them to try to come to an
7 agreement. They have our proposed agreement, term
8 sheet, and we're just -- we don't anticipate there being
9 any issues, working that out, especially given the time
10 frame. We have some time, but we are diligently
11 pursuing an agreement with them right now.

12 **Q. Okay.**

13 EXAMINER JONES: Dana, do you have
14 anything?

15 EXAMINER DAVID: No.

16 EXAMINER JONES: Anything else?

17 Thank you very much.

18 MS. BENNETT: At this time I'd like to call
19 my second witness, Mr. Ben Kessel.

20 BEN KESSEL,
21 after having been previously sworn under oath, was
22 questioned and testified as follows:

23 DIRECT EXAMINATION

24 BY MS. BENNETT:

25 **Q. Good afternoon.**

1 A. Good afternoon.

2 Q. Will you please state your name for the record?

3 A. My name is Ben Kessel.

4 Q. And for whom do you work?

5 A. Franklin Mountain Energy.

6 Q. In what capacity?

7 A. I'm the director of geology.

8 Q. What are your responsibilities as the director
9 of geology?

10 A. I do all the geologic correlations, mapping,
11 data loading, QC, offset operator well, just
12 reconnaissance, basically all things geology.

13 Q. Have you previously testified before the Oil
14 Conservation Division?

15 A. No, I have not.

16 Q. Okay. Let's talk a little bit about your
17 background then. Can you explain to the examiners where
18 you went to school and what sort of degrees you
19 obtained?

20 A. Yeah. I went to school at the University of
21 Wisconsin, Oshkosh, and received a bachelor's degree in
22 geology. And then I did my master's research at Utah
23 State University, and I obtained a master's degree in
24 geology as well.

25 Q. When did you get your master's degree?

1 A. That was in 2005.

2 **Q. And have you been working as a geologist since**
3 **2005?**

4 A. Yeah. Right after in school in 2005, I started
5 with Anadarko Petroleum. I worked for Anadarko for
6 ten-and-a-half years doing a variety of operations,
7 development and also exploration roles in the Rockies.

8 And then in 2017, I started with Resolute
9 Energy Corporation, working the Wolfcamp play in Reeves
10 County, Texas, and I worked with them for two years.
11 And then I started with Franklin Mountain in March of
12 this year.

13 **Q. Are you a member of any professional**
14 **organizations?**

15 A. Yes. I'm a member of AAPG, Rocky Mountain
16 SEPM, and the West Texas Geological Society.

17 **Q. Does your area of responsibility at FME include**
18 **the area of Lea County in New Mexico?**

19 A. Yes, it does.

20 **Q. Are you familiar with the applications that FME**
21 **filed in these cases?**

22 A. Yes.

23 **Q. Are you familiar with the status of the lands**
24 **that are the subject of these applications?**

25 A. Yes.

1 **Q. Are you familiar with the drilling plans of**
2 **these wells?**

3 A. Yes.

4 **Q. Have you conducted a geologic study of the area**
5 **embracing the proposed spacing units for these wells?**

6 A. Yes, I did.

7 MS. BENNETT: At this time I'd like to
8 tender Mr. Kessel as an expert in petroleum geology.

9 EXAMINER JONES: How do you spell your last
10 name?

11 THE WITNESS: K-E-S-S-E-L.

12 EXAMINER JONES: Any objection?

13 MR. BRUCE: No, sir.

14 MS. LUCK: No objections.

15 EXAMINER JONES: Mr. Kessel's so qualified.

16 MS. BENNETT: Thank you.

17 Just to orient the examiners, Mr. Kessel
18 prepared three sets of slides, one for each case, and so
19 those slides are behind Tab 7, Tab 8 and Tab 9. Those
20 are the tabs we'll be talking about. And each tab
21 identifies, right behind the tab, the case number that
22 it applies to. So, for example, Exhibit 7 contains the
23 geology exhibits for Case Number 20773 and identifies
24 the three wells and the formation.

25 **Q. (BY MS. BENNETT) So let's start with Exhibit 7.**

1 And as I just mentioned, those are the geology slides
2 that you prepared for 20773, the Wolfcamp wells?

3 A. Yes.

4 Q. Behind the first page of Exhibit 7, on page 44,
5 is a structure map. And I think what I'll let you do
6 is, if you don't mind, you can talk about the exhibits
7 at your pace and just turn page by page as you're
8 comfortable. And if there are any questions, I'll ask
9 you the questions as we need.

10 A. Sounds great.

11 So the first map is a structure map showing
12 the top of the Wolfcamp subsea TVD. We've got the FME
13 acreage in yellow. The development or the spacing unit
14 area is shown in green, with the proposed Wolfcamp
15 laterals outlined in red-dashed lines, and the numbers
16 correspond over in the key to the well names. Also
17 shown in the background are the contours for the
18 regional structure at the top of the Wolfcamp. The
19 wells shown -- the wells shown on the map are the wells
20 that were used to construct the structure contour map.

21 In general, the spacing unit in question
22 shows kind of a gentle updip to the north and to the
23 east at about 1.2 degrees or so, also showing offsetting
24 surface locations in the green circles of recent
25 Wolfcamp tests in the area. And there are no structural

1 impediments, faults or pinch-outs that are -- that I've
2 observed.

3 Q. Backing up one second, you said that the FME
4 area is shown in yellow.

5 A. Yes.

6 Q. So there are two different types of yellow that
7 unfortunately don't show up on here very well, right?

8 A. Yeah. They didn't show up.

9 Q. So the yellow that is more geometric shaped is
10 the FME leases, and the yellow that's more organic is
11 part of the contour map; is that right?

12 A. That's correct.

13 Q. Okay. Great.

14 All right. Let's turn to the next page.

15 A. The next page is a -- is the map showing the
16 Wolfcamp cross section from A to A prime and the wells
17 that encompass that cross section.

18 Q. And those are the wells that you identified to
19 use -- to create your cross section that we will review
20 on the next page; is that right?

21 A. Yes.

22 Q. And in your opinion, are the wells that you
23 chose representative of the Wolfcamp --

24 A. Yes.

25 Q. -- in this area?

1 A. Yes.

2 **Q. And, again, this gives you the orientation of**
3 **the proposed spacing unit with respect to the**
4 **cross-reference wells?**

5 A. Correct.

6 **Q. All right. Let's turn to the next page, which**
7 **is the cross section.**

8 A. So this is cross section A to A prime as
9 previously depicted on the previous slide. It's
10 showing -- each well is showing a triple combo where we
11 have it, encompassing the gamma ray, resistivity and
12 density neutron. The cross section is hung on the top
13 of the Wolfcamp -- the datum on the top of the Wolfcamp.
14 The producing interval of the Upper Wolfcamp is
15 highlighted in green. And I'm also showing the position
16 at the bottom with the arrow of the cross-section wells
17 where our proposed lateral locations fall between. And
18 overall we see a slight thinning of the Wolfcamp from
19 west to east and a gradual increase of carbonate
20 solution as we move west to east.

21 **Q. And you used seven wells total for your -- to**
22 **create your cross section; is that right?**

23 A. That's correct.

24 **Q. And the producing interval is highlighted in**
25 **green, but also it has the words "Producing Interval" on**

1 the right-hand side of the column?

2 A. Yes.

3 Q. All right. Let's turn to the next page then,
4 which is the gross interval isochore, if you can explain
5 this to the examiners.

6 A. The map is a gross interval isochore from the
7 top of the Wolfcamp to the Wolfcamp B, again showing the
8 thickness of the Upper Wolfcamp interval. The blocky
9 yellow acreage in Sections 9 and 4 are the FME acreage.
10 And, again, the spacing unit is shown in the green
11 outline, and the red lines are proposed laterals in the
12 Wolfcamp.

13 What you can see from the map is that the
14 thickness of the Wolfcamp, it thins as we move to the
15 east. And I should also mention that the control wells
16 for this map are shown. Also, the green circles are
17 offsetting Wolfcamp lateral surface-hole locations,
18 offset tests, and the proposed wells target a similar
19 Wolfcamp thickness as successful offset laterals.

20 Q. All right. The next slide is the net porosity
21 height slide that you had prepared. And can you explain
22 to the examiners what this slide -- what conclusions
23 you've drawn from this slide?

24 A. Sure. The net porosity height is kind of the
25 sum of the porosity in the Wolfcamp from the top of the

1 Wolfcamp into the Wolfcamp B. The control wells are
2 shown on -- on -- on the map as well. And what we can
3 see from that is that the overall net porosity height of
4 the Wolfcamp -- Upper Wolfcamp thins as you move to the
5 east. But referencing the offset lateral Wolfcamp
6 tests, the proposed laterals from Franklin Mountain are
7 in a similar net porosity height as offsetting laterals.

8 Q. And so this slide -- when you compare the --
9 your calculations to the successful offset laterals, you
10 see a comparable net porosity height?

11 A. That's correct.

12 Q. In your opinion, what is the preferred well
13 orientation in this area?

14 A. North to south or south to north.

15 Q. And why is that?

16 A. That's based on the regional stresses. The
17 SHmax that's been mapped is pretty much east-west, and
18 we want to be perpendicular to that.

19 Q. Based on your geologic study of this area, in
20 your opinion, are there any impediments to a horizontal
21 well in the Wolfcamp Formation?

22 A. No.

23 Q. In your opinion, do you anticipate that each
24 quarter-quarter section will be productive in the
25 Wolfcamp?

1 A. Yes.

2 Q. In your opinion, do you anticipate that each
3 tract quarter-quarter section will contribute
4 approximately equally to production from the wells?

5 A. Yes.

6 Q. Great.

7 Let's turn to Tab 8. And Exhibit 8 has two
8 subtabs, Tab A and Tab B; is that right?

9 A. Yes.

10 Q. And that's because there is a 1st Bone Spring
11 and a 3rd Bone Spring well?

12 A. That's correct.

13 Q. And so -- and we're going to start with the
14 601H well; is that right?

15 A. Yes.

16 Q. And is that the 3rd Bone Spring?

17 A. That is the 3rd Bone Spring.

18 Q. Okay. Great. Yes. Please take it away.

19 A. The map is again showing the Franklin Mountain
20 acreage in yellow. The spacing unit outline is shown in
21 pink, and then the blue line represents the 3rd Bone
22 Spring Sand lateral. Contours in the background are
23 controlled by the wells you see on the map, and the
24 contours are at the top of the 3rd Bone Spring Sand. We
25 see a very similar structure as in the Wolfcamp map

1 where we see a relatively gentle updip to the north
2 structural pattern.

3 I'm also showing the offset 3rd Bone Spring
4 lateral surface-hole locations in the orange squares.
5 Again, these are offsets that have tested the 3rd Bone
6 Spring sands that have successfully tested those 3rd
7 Bone Spring Sand.

8 Q. When you look at this slide and based on your
9 study, do you see anything that's -- that would
10 structurally interfere with the proposed well, any
11 pinch-outs or faulting?

12 A. No, no pinch-outs and no faulting.

13 Q. Great.

14 Did you prepare a cross section of the logs
15 to determine a relative thickness and porosity in the
16 Bone Spring Formation in this area?

17 A. Yes, I did.

18 Q. And are those cross section -- are the wells
19 that you used for the cross section identified on page
20 49?

21 A. Yes, they are.

22 Q. And they were from C to C prime?

23 A. Yes, they were.

24 Q. Are those the same wells that you used for the
25 Wolfcamp cross section?

1 A. Yes.

2 Q. But in your opinion, are these wells -- these
3 cross sections or these wells also indicative or
4 representative of the Bone Spring Formation in this
5 area?

6 A. Yes, they are.

7 Q. Okay. Let's turn then to the next page. And
8 what is that?

9 A. This is a stratigraphic cross section datumed
10 on the Wolfcamp, the top of the Wolfcamp, showing the
11 3rd Bone Spring Sand. Highlighted in green, the
12 producing interval. Each well again encompasses a
13 triple combo of gamma ray, resistivity and then
14 density -- neutron density porosity and neutron
15 porosity. Overall, you see the producing interval thin
16 as you move to the west.

17 The location of the Georgetown Fed Com
18 601H, our proposed lateral, is shown at the bottom with
19 the arrow showing where it is relative to the
20 cross-section wells.

21 Q. And based on your review, although it thins a
22 little, it's overall fairly consistent?

23 A. Yeah. Yes, it is.

24 Q. Let's look at the next page, which is the gross
25 interval isochore map. Can you explain to the examiners

1 **the conclusions that you've drawn from this map -- or**
2 **this slide?**

3 A. Yes. This is from the top of the 3rd Bone
4 Spring Sand to the top of the Wolfcamp, gross interval
5 isochore representing the thickness of the 3rd Bone
6 Spring Sand. As you look to the east, the 3rd Bone
7 Spring Sand thins. We've again got the laterals -- the
8 offsetting laterals from 3rd Bone Spring tests in the
9 orange squares. Our proposed lateral will target a
10 similar 3rd Bone Spring Sand thickness as offsetting
11 laterals.

12 **Q. And then let's look page 52. Is that the net**
13 **porosity height calculation for the Upper -- I'm**
14 **sorry -- the 3rd Bone Spring well?**

15 A. Yes. So.

16 This is a net porosity height for the lower
17 part of the 3rd Bone Spring. It shows a very similar
18 pattern as seen before as we move to the east and to the
19 north. The Lower 3rd Bone Spring, it thins and you
20 reduce the net porosity height as you move to the east.
21 The offsetting 3rd Bone Spring Sand laterals are also
22 shown, and the proposed Franklin Mountain 3rd Bone
23 Spring Sand lateral targets a similar net porosity
24 height in the Bone Spring.

25 **Q. Great. Thank you.**

1 **Let's look at the exhibits behind B. Are**
2 **those the same similar sides to what we just looked at**
3 **for the 601, but these are for the 301H.**

4 A. Yes.

5 **Q. And so what's the first slide that we have in**
6 **the packet?**

7 A. So the first slide is a structure map on the
8 top of the 1st Bone Spring Sand, similar acreage color
9 and also development spacing unit outline color. The
10 lateral is shown -- our proposed lateral is shown with a
11 dashed orange line. And then we've also got the
12 offsetting 1st Bone Spring lateral just to the north of
13 us. And the structure follows a very similar pattern as
14 you move updip to the north and to the east.

15 **Q. And there is nothing that you identified or**
16 **that is shown structurally that would interfere with the**
17 **contributions of the acreage to the proposed well?**

18 A. No. I see no faults or no stratigraphic
19 pinch-outs.

20 **Q. Thank you.**

21 **Did you prepare a cross section of logs to**
22 **determine the relative thickness and porosity of the**
23 **Bone Spring Formation for this well?**

24 A. Yes, I did.

25 **Q. Are the logs that you identified or that you**

1 chose to use for your cross section on page 54?

2 A. Yes, they are.

3 Q. Do you consider those wells to be
4 representative of the Bone Spring Formation in this
5 area?

6 A. Yes, I do. And I included a well to the north
7 in Section 28, to bring in a well to the north to try
8 and characterize that northern lateral and show the
9 similarities between the north and what we're proposing
10 in the Bone Spring Sand.

11 Q. Great.

12 Let's turn then to the next page. Is that
13 the cross section you prepared based on the logs in
14 those wells?

15 A. Yes, it is.

16 Q. What does it show you about the producing
17 interval for the 301H well?

18 A. So this cross section is a stratigraphic cross
19 section on the 1st Bone Spring Sand interval. I datumed
20 it on a marker in the middle or the part of the 1st Bone
21 Spring, so that's where it's flattened. And the pay
22 zone for the producing interval is highlighted green at
23 the lower part of the lower half of the 1st Bone Spring
24 Sand. The position of the Georgetown Fed Com 301H is
25 Franklin Mountain's proposed lateral shown with the

1 arrow, and really we see a very consistent thickness and
2 consistent reservoir in the 1st Bone Spring.

3 Q. Great.

4 So let's turn to the next page, page 56,
5 and can you explain to the examiners what page 56 is and
6 everything on that page?

7 A. Page 56 is the gross interval isochore map for
8 the 1st Bone Spring Sand, and it shows again -- their
9 control wells are shown, and it shows a relatively
10 uniform thickness in the 3rd Bone Spring across the
11 area.

12 Q. And did you prepare a net porosity height for
13 this well?

14 A. Yes, I did.

15 Q. And is that on page 57?

16 A. Yes, it is. And, again, we're looking at a net
17 porosity height for just the lower part of the 1st Bone
18 Spring. And on that shows that the net porosity height
19 decreases as you move to the east, but our -- or FME's
20 proposed 1st Bone Spring lateral targets a similar 1st
21 Bone Spring net porosity -- offsetting lateral.

22 Q. Great.

23 Let's turn now to Exhibit Number 9. Is
24 Exhibit 9 the study that you prepared for the Bone
25 Spring well in Case Number 20777, 603H well?

1 A. Yes, it is.

2 **Q. And can you walk us through the exhibits that**
3 **you prepared for this well?**

4 A. This is a structure contour map of the top of
5 the 3rd Bone Spring Sand showing the Franklin Mountain
6 Energy acreage in yellow. The development area for the
7 Ouray Fed Com 602H is shown in pink. The proposed
8 lateral in the 3rd Bone Spring is shown in blue. And,
9 again, the offset 3rd Bone Spring Sand laterals are
10 shown -- surface-hole locations are shown in orange.
11 Structurally, we're seeing a very similar structural
12 regime as we move upsect [sic] or updip as you move to
13 the north at about 1.2 degrees.

14 **Q. And, again, there is nothing shown on this**
15 **slide of your study that would interfere with the**
16 **contributions of the acreage to the well?**

17 A. No faults and no stratigraphic pinch-outs.

18 **Q. And when you say development area -- on your**
19 **slides, it says "Development Area," but that's a spacing**
20 **unit proposed for the east half-west half, right?**

21 A. Yes.

22 **Q. Let's look at the next page, page 59. Does**
23 **page 59 identify the wells that you used to prepare your**
24 **cross section?**

25 A. Yes, it does.

1 **Q.** In your opinion, are those, the wells that you
2 chose, representative of the Bone Spring Formation in
3 this area?

4 A. Yes.

5 **Q.** And that runs from C to C prime?

6 A. Yes, it does.

7 **Q.** If you look at page 68, is that the cross
8 section that you prepared?

9 A. Yes, it is.

10 **Q.** Could you describe your conclusions based on
11 the cross section that you prepared?

12 A. Yes. A very similar cross section, as we've
13 seen from the other 3rd Bone Spring wells, a
14 stratigraphic cross section datumed on the top of the
15 Wolfcamp. The 3rd Bone Spring Sand interval is
16 highlighted as a producing interval in green, showing a
17 triple combo, gamma ray, resistivity and density neutron
18 log, also highlighting where the Ouray Fed Com 602H or
19 Franklin Mountain's proposed 3rd Bone Spring Sand
20 lateral falls on the cross section. And overall, we see
21 a slight thinning of the 3rd Bone Spring Sand as we move
22 to the east, but still the lower part of the target
23 intervals remain relatively consistent.

24 **Q.** Thank you.

25 **The next page, page 61, is the gross**

1 interval isochore map that you prepared for this well;
2 is that right?

3 A. Yes.

4 Q. And what conclusions have you drawn from the
5 study that you put into this slide?

6 A. The 3rd Bone Spring Sand thins as you move to
7 the east, but the proposed Franklin Mountain 3rd Bone
8 Spring lateral targets a very similar 3rd Bone Spring
9 Sand thickness as a successful offset lateral well.

10 Q. And finally, did you prepare a net porosity
11 height slide for this well also?

12 A. Yes.

13 Q. And what did you conclude about this well's net
14 porosity height?

15 A. As we've seen before, the net porosity height,
16 the Lower 3rd Bone Spring thins as you move to the north
17 and to the east, but the Franklin Mountain proposed 3rd
18 Bone Spring lateral targets a similar 3rd Bone Spring
19 net porosity height as the offset well.

20 Q. Thank you.

21 Let's talk about your overall conclusions
22 now about the Bone Spring based on the exhibits we just
23 went through. In your opinion, what is the -- is there
24 a difference in the proposed well orientation for the
25 3rd Bone Spring?

1 A. No.

2 Q. North-south or --

3 A. North-south or south-north.

4 Q. Based on the geologic study of the area, in
5 your opinion, are there any impediments to a horizontal
6 well in either of the Bone Spring Formations?

7 A. No.

8 Q. In your opinion, do you anticipate that each
9 quarter-quarter section will be productive in both Bone
10 Spring Formations?

11 A. Yes.

12 Q. In your opinion, do you anticipate that each
13 tract quarter-quarter section will contribute
14 approximately equally to the production from the wells?

15 A. Yes.

16 Q. In your opinion, would the granting of FME's
17 three applications be in the best interest of
18 conservation, the prevention of waste and the protection
19 of correlative rights?

20 A. Yes.

21 Q. Were Exhibits 7 through 9 prepared by you or
22 compiled under your direction and supervision?

23 A. Yes, they were.

24 MS. BENNETT: At this time I'd like to move
25 that Exhibits 7 through 9 be admitted.

1 EXAMINER JONES: Exhibits 7 through 9 are
2 admitted.

3 MS. BENNETT: Thank you.

4 (Franklin Mountain Energy, LLC Exhibit
5 Numbers 7 through 9 are offered and
6 admitted into evidence.)

7 MS. BENNETT: I have no further questions
8 at this time.

9 EXAMINER JONES: Okay.

10 MS. LUCK: I don't have any questions.

11 EXAMINER JONES: Any questions?

12 EXAMINER MURPHY: No questions.

13 CROSS-EXAMINATION

14 BY EXAMINER COSS:

15 Q. So I guess I'm curious. Do you describe like
16 where in the basin are we? I know structurally but
17 depositionally. The reason I ask is because I notice a
18 lot of these Bone Spring contours, they seem to be
19 dipping to the southeast, but you have these dipping
20 primarily to the south, why that might be the case.

21 A. Yeah, if I'm understanding your question --
22 well, I guess I can describe where we are first. We're
23 near the central carbonate -- or central basin carbonate
24 platform.

25 Q. We're pretty far to the east?

1 A. We're pretty far to the east, yeah. We're
2 getting closer to the edges but still in the abyssal
3 plane, kind of, depositional reservoir rock for the
4 reservoir facies.

5 **Q. And is that something that's pretty sporadic**
6 **here, the Wolfcamp and the Bone Spring dipping more to**
7 **the south instead of the southeast? Is that common for**
8 **the area?**

9 A. I think that's pretty common for this area.
10 It's maybe more of a localized feature.

11 **Q. Okay. It would be local.**

12 **And I notice that you point out it keeps**
13 **thinning to the east, and it's thickening to the west.**

14 A. Yeah.

15 **Q. Would you say that wells get better to the west**
16 **or to the east or --**

17 A. Yes. Yes. West is generally better.

18 **Q. And then -- what was the last question I had?**

19 **Can you describe the attributes used in**
20 **porosity height?**

21 A. Sure. Porosity height is based upon two
22 criteria. First of all, a gamma ray -- a normalized
23 gamma ray signature of 60 or higher on the API scale and
24 then porosity of 6 percent or greater. And so that's
25 the flag, and then it sums it up throughout the Wolfcamp

1 and the Bone Spring.

2 Q. Okay. That's what I wanted to know.

3 Is it fairly continuous, the sections that
4 are above 6, or will it jump above and below 6?

5 A. It's fairly continuous. Our targets are in the
6 upper -- upper -- within the upper part of the Upper
7 Wolfcamp and then the middle part of the Upper Wolfcamp,
8 and those particular units are continuous. As you move
9 maybe 3 miles to the east, it starts to all turn into
10 carbonate as you get closer to the platform. But
11 we're -- it's consistent in our proposed spacing units.

12 Q. I believe that's all I wanted to know. Thank
13 you.

14 CROSS-EXAMINATION

15 BY EXAMINER JONES:

16 Q. Density, porosity, is that what you're talking
17 about?

18 A. Yes.

19 Q. I don't have any more questions.

20 CROSS-EXAMINATION

21 BY EXAMINER DAVID:

22 Q. Nothing from the lawyer --

23 A. Sure.

24 Q. -- but, anyway, the geologist in me: I'm just
25 kind of curious about your choice of cross sections

1 because it looks like you have -- the cross section you
2 did was kind of along strike and then it -- want to go
3 perpendicular to strike. While you could have pulled
4 into the north, you didn't. I was just kind of curious
5 about what you're -- in one of the cross sections, you
6 did use that northern well.

7 A. Yeah.

8 Q. So I was curious what your thought process was
9 for that.

10 A. Well, the cross section where I used the
11 northern well, we only had -- we have an offsetting
12 lateral to the north, and so I wanted to show the
13 geologic changes relative to that, since we weren't
14 offset to the south by any production. And in the -- in
15 the Wolfcamp in the 3rd Bone Spring, since we have tests
16 both north and south of us, I decided to use a dip cross
17 section to show the changes as you move to the east
18 across the section and the relative consistency in the
19 target facies.

20 Q. So are you saying that wouldn't have been
21 appropriate for all three wells or --

22 A. No. I don't -- I don't think so. I think the
23 consistency in the 1st Bone Spring, it's more -- it's
24 more laterally consistent across the broader area, which
25 is why I made that cross section a little bit different

1 on the trajectory.

2 Q. Okay. Thanks.

3 A. Sure.

4 MS. BENNETT: Thank you.

5 At this time I'd like to talk about Exhibit
6 10.

7 EXAMINER JONES: Okay.

8 MS. BENNETT: Exhibit 10 is my notice
9 affidavit, and Exhibit 10 has the names and addresses of
10 the parties to whom we sent notice. That's on page 64.
11 Page 65 is our version of the green cards, which shows
12 the status of the mailings, and as you'll see, there was
13 one to the BLM that is marked "to be returned," which is
14 not unusual. And I've included -- the first affidavit
15 is for Cases 20773 and 20777. They have the same
16 parties. And the second affidavit is for Case 20774.
17 As I mentioned earlier -- or as we discussed earlier --
18 oh, I'm sorry. I'll also say that we published, and we
19 publish as a matter of course out of an abundance of
20 caution, in case mail is delivered. And so we published
21 for all three of these cases, and publication was done
22 on August 23rd, 2019. And, again, the only party that
23 did not receive notice of the parties that I sent notice
24 to was the BLM. And the BLM is identified in the
25 publication.

1 But that doesn't -- but there are some
2 overrides that we didn't know about at the time that I
3 sent out the notice letters, and those overrides will be
4 identified -- to the extent that they need notice,
5 they'll be identified over the next week. And so what
6 I'd like to do is continue -- request a continuance of
7 this case -- these three cases to October 17th, the next
8 continuance docket to allow us to perfect the notice in
9 those cases or to the extent we need to. And then I
10 would come back on October 17th and address any final
11 notice issues.

12 (Franklin Mountain Energy, LLC Exhibit
13 Number 10 is offered into evidence.)

14 EXAMINER JONES: Not September? The end of
15 September?

16 MS. BENNETT: Well, I would prefer -- well,
17 we don't have time. Today's the 5th. If we have to
18 notice folks, I don't have time to provide the 20-day
19 notice by the next September docket.

20 EXAMINER JONES: You don't know if you're
21 going to need to yet.

22 MS. BENNETT: Yes. I would prefer the
23 September docket, the 19th, or October 5th, but I know
24 I'm asking --

25 EXAMINER JONES: I think I can use my

1 discretion as the -- as the -- as the examiner to
2 continue to the last -- second docket in October for
3 these three cases, but I think you can do it.

4 MS. BENNETT: To the October 17th docket?

5 EXAMINER JONES: If that's what you think
6 you can get it done by then.

7 MS. BENNETT: Yes. I think we can have it
8 done by October 5th, but I don't think -- or October
9 3rd, but I don't think that the Division would allow me
10 to go forward on October 3rd since that's the new-case
11 docket.

12 EXAMINER JONES: Yeah. Yeah. I didn't get
13 permission for that yet.

14 MS. BENNETT: I'd like to request October
15 17th.

16 EXAMINER JONES: Yeah. I can do it as the
17 examiner, but we can't -- we're under -- we've got our
18 marching orders.

19 Is that the same issue for these other two
20 cases?

21 MS. BENNETT: Yes, it is.

22 EXAMINER JONES: Okay. And now that
23 they're not being actively -- you could almost -- I
24 don't know if they're going to be actively opposed --

25 MS. LUCK: (Indicating.)

1 EXAMINER JONES: -- you could possibly do
2 an affidavit submittal at that time or at least bring
3 the land person or something.

4 MS. BENNETT: For the October 17th hearing?

5 EXAMINER JONES: Yeah.

6 MS. BENNETT: Okay.

7 EXAMINER JONES: Personally, I like to have
8 the land person, but then, again, I don't think I'm
9 going to be here in October (laughter).

10 EXAMINER MURPHY: I'll be here.

11 MS. BENNETT: The doors will be open.

12 EXAMINER JONES: The doors will be open.
13 We've got some great people taking over. So --

14 Is that what you two understand as our
15 orders?

16 I can continue all six -- five cases to the
17 October 17th docket.

18 MS. BENNETT: I wanted to ask that Exhibit
19 Number 10 be admitted into the record and that these
20 cases be, I guess, continued to the September 17th
21 docket for notice purpose.

22 EXAMINER MURPHY: October 17th.

23 EXAMINER JONES: Exhibit 10, as it stands
24 now, is admitted --

25 MS. BENNETT: Yes.

1 EXAMINER JONES: -- but you'll do a --
2 MS. BENNETT: I'll supplement.
3 EXAMINER JONES: -- supplement exhibit?
4 MS. BENNETT: Thank you.
5 (Case Numbers 20773, 20774 and 20777
6 conclude, 5:17 p.m.)
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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 DATED THIS 1st day of October 2019.

21

22

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

25