Page 1

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:

AMENDED APPLICATION OF MARATHON OIL CASE NO. 16214 PERMIAN, LLC FOR THE CREATION OF A NONSTANDARD SPACING AND PRORATION UNIT AND COMPULSORY POOLING, EDDY COUNTY, NEW MEXICO.

REPORTER'S TRANSCRIPT OF PROCEEDINGS

EXAMINER HEARING

September 6, 2018

Santa Fe, New Mexico

## BEFORE: MICHAEL McMILLAN, CHIEF EXAMINER DAVID K. BROOKS, LEGAL EXAMINER

This matter came on for hearing before the New Mexico Oil Conservation Division, Michael McMillan, Chief Examiner, and David K. Brooks, Legal Examiner, on Thursday, September 6, 2018, 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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Page 2
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		Page 3
1	INDEX	
2		PAGE
3	Case Number 16214 Called	4
4	Opening Statement by Ms. Bradfute	4
5	Marathon Oil Permian, LLC's Case-in-Chief	
6	Witness:	
7	Edwin J. Noonan:	
8	Direct Examination by Ms. Bradfute Cross-Examination by Examiner Brooks	5
9		14
10	Proceedings Conclude	21
11	Certificate of Court Reporter	22
12		
13		
14	EXHIBITS OFFERED AND ADMITTED	
15	Marathon Oil Permian, LLC Exhibit Numbers 11 through 15	1.4
16		14
17		
18		
19		
20		
21		
22		
23		
24		
25		

Page 4 (10:39 a.m.) 1 EXAMINER McMILLAN: I'd like to call Case 2 Number 16214, amended application of Marathon Oil 3 Permian, LLC for the creation of a nonstandard spacing 4 5 and proration unit and compulsory pooling, Lea [sic] County, New Mexico. 6 7 Call for appearances. 8 MS. BRADFUTE: Mr. Examiner, Jennifer 9 Bradfute, with the Modrall, Sperling Law Firm, on behalf of the Applicant. 10 11 EXAMINER McMILLAN: Please proceed. 12 MR. BRUCE: Mr. Examiner, Jim Bruce 13 entering an appearance for Primero Operating, Inc. Ι have no witnesses. 14 OPENING STATEMENT 15 16 MS. BRADFUTE: Mr. Examiner, this case went to hearing in front of the Division on June 28th, 2018, 17 18 and that was two days after the new horizontal well 19 rules went into effect. At that time, Marathon, on the 20 record, asked to amend its application to take advantage of the proximity tract rule. And so they sent out new 21 22 notices with the legal location for the new spacing unit. 23 24 And Primero did raise an objection not to 25 the width of the spacing unit based on the proximity

Page 5 tracts, but to the depths of the unit because there were 1 2 differences in who had ownership at different depths. Primero owned only at certain depths and asked that 3 Marathon revise its application, so Marathon did that. 4 5 It didn't see any problems with Primero's request, and it has, in its new amended application, revised the 6 depths of the spacing unit as to only cover certain 7 8 portions of the Bone Spring Formation. And it provided notification to all of the mineral interest owners who 9 would be excluded from the proposed proration unit. 10 11 In addition, it also renotified everybody 12 who was entitled to notice of the original application, which included all of the overriding royalty interest 13 14 owners. Today we have one witness who came to help 15 16 explain these changes to the Division, since Primero still has an entry of appearance in the case, and that 17 witness can be sworn in. 18 19 EDWIN J. NOONAN, 20 after having been first duly sworn under oath, was questioned and testified as follows: 21 22 DIRECT EXAMINATION BY MS. BRADFUTE: 23 24 Could you please state your name? 0. 25 Edwin J. Noonan. Α.

Page 6 Mr. Noonan, who do you work for? 1 Q. I'm an independent landman. 2 Α. 3 Q. And, Mr. Noonan, have you been contracted by Marathon Oil Permian in regards to the Southern Comfort 4 State 24 28 25 TB 6H well? 5 6 Α. I have. 7 And, Mr. Noonan, have you previously testified 0. before the Division as a petroleum landman? 8 9 Α. I have. 10 And were your credentials accepted and made 0. 11 part of the record? 12 Α. They were. 13 Q. And are you familiar with Marathon's application in Case 16214? 14 15 Α. Yes. MS. BRADFUTE: I'd like to tender 16 17 Mr. Noonan as an expert in petroleum land matters. 18 EXAMINER McMILLAN: Objections? 19 MR. BRUCE: No objection. 20 EXAMINER McMILLAN: So qualified. 21 (BY MS. BRADFUTE) Mr. Noonan, are you aware of 0. 22 the amendments that I just described to the hearing examiners of Marathon's application in Case Number 23 16214? 24 25 Α. Yes.

Page 7 Could you please turn to the exhibit packet in 1 0. 2 front of you to Tab 10? This will be Exhibit Number 10 3 in the case. Does Exhibit Number 10 contain a diagram 4 showing where the proposed spacing unit will be located? 5 Yes, it does. Α. 6 And is that an accurate reflection of the Q. 7 geographic location of the proposed spacing unit? 8 Α. Yes, it is. Could you please turn to Tab 11? Does Tab 11 9 Q. contain a list of the parties that will be pooled under 10 11 Marathon's amended application? 12 Α. Yes. 13 Okay. Could you please turn to Exhibit Number 0. 14 12 in the packet in front of you? Is this a copy of 15 Marathon's amended application? 16 Α. Yes. 17 Q. And does this amended application state that 18 Marathon's seeking to create a nonstandard 480-acre 19 spacing unit in the Bone Spring Formation that is limited in depth from 7,300 feet to 9,560 feet? 20 21 Α. Yes. 22 0. And the legal description for that spacing and 23 proration unit is the east half of Section 36 in the 24 southeast quarter of Section 25, in Township 24 South, 25 Range 28 East, N.M.P.M., Eddy County, New Mexico; is

Page 8 that correct? 1 2 Α. Yes. 3 Q. So that is the area and the depths that 4 Marathon now seeks to pool uncommitted working interest 5 owners, correct? 6 Α. Correct. 7 And in the hearing on June 28th, 2018, Marathon Q. 8 also requested to pool overriding royalty interest 9 owners, correct? 10 Α. Yes. 11 And Marathon does not change those requests 0. 12 here today; is that right? 13 Α. No. 14 Is it your understanding that Marathon did 0. 15 receive an objection to its amended application from 16 Primero Operating? 17 Α. Yes. And what did Primero ask Marathon to do? 18 Q. 19 They asked Marathon to exclude from surface Α. down to the Bone Spring -- base of the Bone Spring Lime. 20 21 And that is the purpose of the amended application. 22 Turn to Exhibit 13 and I want to look at the 0. 23 last page of this exhibit, which is part of an 24 assignment that was provided by Primero's attorney in 25 their pre-hearing statement between Primero Operating,

Page 9 Inc., as assignor, and Crown Oil Partners, as assignees. 1 2 What does this Exhibit A indicate to you? Exhibit A indicates that they're conveying the 3 Α. described lands "LESS AND EXCEPT the depths from the 4 5 surface to 7,300 feet subsurface, being the base of the Bone Spring Lime," and they describe the geological 6 7 charts that define that depth. 8 EXAMINER BROOKS: What exhibit are you reading from? 9 10 MS. BRADFUTE: Exhibit 13, the very last 11 page. 12 EXAMINER BROOKS: Exhibit 13. Okay. This 13 is the assignment. And where are you reading from? THE WITNESS: Exhibit A, the last page. 14 MS. BRADFUTE: It should be highlighted in 15 16 yellow on the last page. 17 EXAMINER BROOKS: The last page. I haven't found anything highlighted at all. Well, it says "Page 18 19 2 of 8." Do I have to go on through to page 8? 20 MS. BRADFUTE: Yeah. Go to page 8 of 8. 21 EXAMINER BROOKS: Okay. "These 22 acknowledgments" (reading). 23 Okay. Go ahead. 24 (BY MS. BRADFUTE) And is it your understanding 0. 25 that Marathon acquired its interest from Crown Oil

1 Partners?

2 A. Yes.

3 Q. So Primero retained interests from the depths of the surface to 7,300 feet subsurface? 4 5 Α. That's correct. 6 Have you discussed those depths and that Q. 7 acreage with a geologist at Marathon? 8 Α. I have. Okay. And did Marathon's geologist confirm 9 0. that the base of the Bone Spring Lime Formation is the 10 11 equivalent of the top of the 1st Bone Spring Sand? 12 Α. The geologist expressed some frustration at the 13 various descriptions of these horizons, and he would prefer to stick to "the depths below the surface" 14 descriptions. 15 16 Okay. So he prefers to stick to "the depths Q. 17 below the surface to 7,300 feet"; is that correct? 18 Yes, ma'am. Α. 19 And if you turn to Exhibit 14, is this an email Q. 20 from the Marathon's geologist confirming that those 21 depths are appropriate? 22 Α. Yes. 23 And it also confirms that the geologist at 0. 24 Marathon agrees that Marathon is seeking to pool the 25 Bone Spring between 7,300 feet and 9,560 feet, which is

Page 11 the equivalent in the Craft 25 Com #1 well? 1 2 Α. That's correct. 3 Q. And, Mr. Noonan, on June 28th, Marathon 4 presented geologic testimony supporting its application, 5 correct? 6 Α. Yes. 7 Are you aware of the fact that Marathon is not Q. 8 changing or amending its geologic testimony from that 9 earlier hearing? 10 Not to my knowledge. Α. 11 0. So the targeted formation for the well has not 12 changed, correct? 13 Α. Correct. MS. BRADFUTE: And we ask that that 14 geologic testimony just continue to be in the record for 15 16 this case and be taken under consideration. 17 EXAMINER McMILLAN: Okay. 18 Q. (BY MS. BRADFUTE) Would you please turn to Tab 19 15 in the packet in front of you? Does Tab 15 contain 20 an affidavit prepared by Marathon's counsel confirming 21 that notice was provided to affected parties of this 22 amended application? It does. 23 Α. 24 If you look at the first page attached to 0. 25 that -- and I apologize for the small print -- is it a

Page 12 list of all of the interest owners who would be excluded 1 2 from the depths -- excluded from the proration unit 3 because they own below 7,300 feet within the Bone Spring 4 Formation? 5 Α. Yes. 6 And all of these interest owners within the Q. 7 mineral estate were provided notice of this amended 8 application? 9 They were. Α. Is it your understanding that Marathon also 10 Q. 11 notified all of the parties who originally received 12 notice of its application to pool the whole Bone 13 Spring -- the whole Bone Spring Formation? A. Yes. 14 EXAMINER BROOKS: Okay. Hold on a minute. 15 16 I believe you said -- the court reporter can correct me. But I believe you said that they're excluded because 17 18 they own below 7,300. 19 MS. BRADFUTE: Oh. Above. I'm sorry. 20 Above. 21 EXAMINER BROOKS: That's what I thought. 22 That's what I assumed you meant. 23 MS. BRADFUTE: Yes. Thank you. 24 (BY MS. BRADFUTE) And if you look further 0. 25 within this exhibit, there is a chart that pulls out

Page 13 with a blue header. And does this chart confirm that 1 2 many of the mailings were delivered, but there were 3 mailings that were returned? 4 Α. It does, yes. 5 And this chart is two pages long showing all Q. 6 the parties who were notified of this application? 7 Α. Yes. 8 Q. In addition, does this exhibit contain tracking pages from the United States Postal Service showing the 9 status of those mailings that have not yet been 10 11 delivered? 12 Α. Yes. 13 And if you look at the last two pages of this 0. 14 exhibit, does it contain an Affidavit of Publication 15 confirming that notice was also published in the 16 "Carlsbad Current Argus"? 17 Α. Yes. 18 Mr. Noonan, were Exhibits 10 through 15 Q. 19 prepared by you, compiled under your supervision or 20 compiled from company business records? 21 Α. Company business records, yes. 22 MS. BRADFUTE: I'd like to tender Exhibits 23 10 through 15 into the record. 24 MR. BRUCE: No objection. 25 EXAMINER McMILLAN: Exhibits 10 through 15

Page 14 may now be accepted as part of the record. 1 (Marathon Oil Permian, LLC Exhibit Numbers 2 10 through 15 are offered and admitted into 3 evidence.) 4 5 MS. BRADFUTE: And that concludes my 6 questions. 7 EXAMINER McMILLAN: Okay. Does Primero 8 accept the geologic testimony from the previous case? 9 MR. BRUCE: Yes. 10 EXAMINER McMILLAN: Okay. That stays as 11 part of the record then. 12 EXAMINER BROOKS: Well, we've got some problems in this case, but I don't think I can do 13 much -- I don't think I need to examine this witness. 14 Ι will ask to clarify a little bit, though. 15 16 CROSS-EXAMINATION BY EXAMINER BROOKS: 17 18 Q. Primero's interest is limited to the depth 19 between the equivalent of 7,300 and 9,600; is that 20 correct? 21 Α. It's the surface down to 7,300. 22 Q. Okay. So Primero owns above 7,300. 23 MS. BRADFUTE: Yes. 24 EXAMINER BROOKS: Therefore, Primero will 25 be excluded from this --

Page 15 MS. BRADFUTE: And that's what they asked 1 2 for. They wanted to be excluded. 3 EXAMINER BROOKS: They want to be excluded. They don't want to be included. 4 5 MS. BRADFUTE: Yes. MR. BRUCE: Mr. Examiner, if I could just 6 7 interject. 8 EXAMINER BROOKS: I would appreciate that. 9 MR. BRUCE: The well -- I think it's the 2nd or 3rd Bone Spring Sand. Primero owns no interest 10 11 in that and, therefore, didn't want to be pooled into a 12 prospect where it has no ownership rights and where it's not entitled to join in a well. 13 EXAMINER BROOKS: That makes a lot of 14 sense, but that's not what we usually run into. 15 16 MS. BRADFUTE: Yeah. EXAMINER BROOKS: I say we have problems 17 18 with this because we are having conceptual problems at 19 OCD about pooling a depth-limited portion of a 20 formation, and I'll go into that later. But I don't really think I can clarify it much by this witness. 21 22 But I will ask one other question. This 23 depth severance that is covered in this interest -- the 24 depth severance that is covered in the exhibit that you 25 pointed out to me, the language that you pointed out --

Page 16 and that was Exhibit 13, right? 1 2 MS. BRADFUTE: Yes, the last page. 3 EXAMINER BROOKS: Exhibit 13, page 8. 4 ο. (BY EXAMINER BROOKS) And that language 5 controls -- is that the only depth severance that exists 6 within the Bone Spring in this unit? 7 Α. No. 8 No, it's not. Q. 9 Okay. So there are other depth severances 10 that would be defined by some different marker, correct? 11 Α. Yes. 12 Q. Is that what you're telling me? 13 Α. Yes. 14 Q. Okay. Thank you. MS. BRADFUTE: And Marathon has provided 15 16 notice to all members of the mineral estate of this application and the amended application, and so far no 17 18 objections have been received. 19 EXAMINER BROOKS: Thank you. 20 MS. BRADFUTE: With that, we'd ask that 21 this case be taken under advisement. 22 MR. BRUCE: No objection. 23 EXAMINER BROOKS: Oh, wait a minute. Ι 24 want to discuss some issues before we continue. 25 EXAMINER McMILLAN: Please do.

Page 17 EXAMINER BROOKS: You've had a -- you're 1 aware of all the depth severances, I take it? 2 3 MS. BRADFUTE: Yes. 4 EXAMINER BROOKS: There are various ones. 5 You just so testified. б MS. BRADFUTE: Yeah. 7 EXAMINER BROOKS: So we've got a really 8 complicated situation here. I think that if you're 9 going -- I think we're going to have to keep this case 10 open. For one thing, we have to treat -- we've got a 11 lot of people asking for depth severance -- compulsory 12 poolings, and we have to treat everybody somewhat the 13 same way, although it's hard to do that when each one has a unique situation. 14 I'm confused here. I don't know -- I don't 15 16 recall your geologist's testimony from the previous appearance, but I'm confused by why he wants to specify 17 18 specific depths rather than a log equivalent, because 19 generally the geologists tell me exactly the opposite, 20 that the specific depths vary, and the log equivalent is 21 the geologically appropriate way to draw a depth 22 severance. 23 If you look at Exhibit 14 --MS. BRADFUTE: 24 EXAMINER BROOKS: Yes. 25 MS. BRADFUTE: -- the geologist does tie it

Page 18 to a log equivalent for the Craft 25 Com #1 well. 1 It's the last sentence of his email. 2 EXAMINER BROOKS: Okay. Well, was that the 3 one that's used in Exhibit 13? 4 5 MS. BRADFUTE: I believe so. Let me --THE WITNESS: The geologist's frustration 6 7 was with the different nomenclature assigned to the 8 various horizons. Some people describe it as a sand. 9 Some people describe it as a lime. And they had several discussions trying to nail it down, and so he decided to 10 11 reference a specific well log. 12 EXAMINER BROOKS: Well, that's what your --13 was done in the convention [sic] that you cited. MS. BRADFUTE: Yeah, it is. And it's the 14 well that is same cited within --15 16 EXAMINER BROOKS: That clarifies some things. However, if there are other depth severances 17 18 that are differently defined, then we've got other 19 problems, and we don't know what they are because we 20 don't have the instruments in front of us. I think we're going to need more 21 22 explanation of how exactly to write an order in this. 23 First of all, we're going to need more testimony from --24 from the geologist because I can't cross-examine a --25 and neither can Mike -- cross-examine an email,

Page 19

1 especially a one-line email.

In the second place, if we don't know what all controlling depth severances are, we don't have a basis on which we can draw an order that will be -- that title attorneys can look at and say, That will be binding on everybody involved.

7 MS. BRADFUTE: So if you have no objection 8 from parties who have interests below 7,300 and they 9 want, presumably, to be included within the unit --EXAMINER BROOKS: Yes, I can understand 10 11 that. And I can also understand that it's frustrating, 12 when there is no actual controversy, to have an agency come in and say, Well, we need a whole bunch more 13 evidence to figure out what's going on. But at the same 14 time, like I say, we're obligated to treat everybody 15 16 equally. I just now -- it's just a coincidence that yesterday I wrote a letter to a person who was a 17 proponent of a depth-limited compulsory pooling order, 18 19 and I told him we needed additional evidence in that 20 case. And I asked for some specifics there, but I understood that one was a little easier. And frankly --21 22 and it didn't involve a huge number of parties, as this one did. 23 So I think we're going to need to have 24 25 another hearing and ask you to bring the geologist back

Page 20 and also have the landman prepared to testify on how the 1 instrument has been -- how the depth severance has been 2 defined in controlling instruments, only in controlling 3 instruments. We don't care if somebody's -- it's not 4 5 going to make any difference -- if you sever a certain б depth and then they can go out and convey that interest 7 to 500 people. That doesn't make any difference because 8 they don't -- they can't get any more out of it than 9 what was originally severed. 10 MS. BRADFUTE: Okay. 11 EXAMINER BROOKS: So I'm giving some 12 guidance to the landman. And this has probably been a long and frustrating journey, and I'm making it more so, 13 but it's something we have to do. Thank you. 14 MS. BRADFUTE: Okay. 15 Thank you. 16 We ask this case then be continued to the September 20th docket. 17 18 EXAMINER BROOKS: To what? 19 MS. BRADFUTE: September 20th, the next 20 docket. EXAMINER BROOKS: That's fine with me if 21 22 that's what you would like to do. I haven't looked at 23 the September 20th docket. Mike might have opinions 24 about it. 25 EXAMINER McMILLAN: I'm not doing that.

Page 21 (Laughter.) 1 EXAMINER BROOKS: I don't know whether I 2 will be or not because my surgery got moved from 3 September -- from last Friday to September 17th. So I 4 don't know what will be the situation on September 20th. 5 б Perhaps with that in mind, we ought to move it to 7 October. 8 MS. BRADFUTE: Do you want October 4th? 9 EXAMINER McMILLAN: I like that idea, October 4th. 10 MS. BRADFUTE: That's fine. That's fine. 11 12 EXAMINER BROOKS: Because, you know, this problem is one I'm very focused on, and another lawyer 13 would have to go back to square one to figure out what's 14 going on. 15 16 MS. BRADFUTE: Okay. 17 EXAMINER McMILLAN: Okay. So Case Number 16214 shall be continued until October the 4th. 18 19 MS. BRADFUTE: Thank you. 20 EXAMINER MCMILLAN: Thanks. (Case Number 16214 concludes, 11:02 a.m.) 21 22 23 24 25

Page 22 1 STATE OF NEW MEXICO 2 COUNTY OF BERNALILLO 3 CERTIFICATE OF COURT REPORTER 4 5 I, MARY C. HANKINS, Certified Court Reporter, New Mexico Certified Court Reporter No. 20, 6 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 a true and correct transcript of those proceedings that 10 were reduced to printed form by me to the best of my 11 12 ability. 13 I FURTHER CERTIFY that the Reporter's Record of the proceedings truly and accurately reflects 14 the exhibits, if any, offered by the respective parties. 15 16 I FURTHER CERTIFY that I am neither employed by nor related to any of the parties or 17 18 attorneys in this case and that I have no interest in 19 the final disposition of this case. 20 DATED THIS 28th day of September 2018. 21 22 MARY C. HANKINS, CCR, RPR 23 Certified Court Reporter New Mexico CCR No. 20 Date of CCR Expiration: 12/31/2018 24 Paul Baca Professional Court Reporters 25