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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 AMENDED APPLICATION CASE NO. 16183 OF MEWBOURNE OIL COMPANY FOR COMPULSORY POOLING, EDDY COUNTY, NEW MEXICO.

REPORTER'S TRANSCRIPT OF PROCEEDINGS

EXAMINER HEARING

November 29, 2018

Santa Fe, New Mexico

BEFORE: SCOTT DAWSON, CHIEF EXAMINER TERRY WARNELL, TECHNICAL EXAMINER DAVID K. BROOKS, LEGAL EXAMINER

This matter came on for hearing before the New Mexico Oil Conservation Division, Scott Dawson, Chief Examiner, Terry Warnell, Technical Examiner, and David K. Brooks, Legal Examiner, on Thursday, November 29, 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 3 (9:06 a.m.) 1 2 EXAMINER DAWSON: So we'll go back to the first two cases. 16020 --3 MR. BRUCE: No, no, no, sir. They're not 4 5 consolidated. 6 EXAMINER DAWSON: Okay. 7 MR. BRUCE: Do the second one first. 8 EXAMINER DAWSON: I was just explaining the 9 cases we're going to hear. 10 MR. BRUCE: Okay. 11 EXAMINER DAWSON: We'll go to the second 12 case first on the list, which is Case Number 16183. This has been amended and re-advertised. It's continued 13 from the October 2018 examiner hearing. It's 14 application of Mewbourne Oil Company for compulsory 15 pooling, Eddy County, New Mexico. 16 17 Please call for appearances. MR. BRUCE: Mr. Examiner, Jim Bruce of 18 19 Santa Fe representing Mewbourne Oil Company. I have no 20 witnesses. I am presenting this case by affidavit. MR. GALLEGOS: Mr. Examiner, my name is 21 22 Gene Gallegos, Santa Fe New Mexico, appearing on behalf 23 of the Intervenor, Jalapeno. And I appreciate the 24 Applicant taking Case 16183 first. 25 EXAMINER DAWSON: Okay.

Page 4 MS. KESSLER: Mr. Examiners, Jordan Kessler 1 from the Santa Fe office of Holland & Hart. I represent 2 various this EOG entities that are the subject of. 3 this --4 5 EXAMINER DAWSON: Okay. You may continue when you're ready, Mr. Bruce. 6 7 MR. BRUCE: Very briefly to get the case 8 started, Mr. Examiner, I handed you a packet of 9 exhibits. The purpose of this case is to pooling interest owners into a 320-acre horizontal spacing unit 10 11 in the Bone Spring Formation below the top of the 2nd 12 Bone Spring Sand, and that definition is in the application -- the amended application filed in this 13 case. The unit will be dedicated to the Virgo 24/23 14 B2HE Fed Com #1H, a horizontal well which is being 15 16 drilled and completed in the 2nd Bone Spring Sand. 17 And before I go any further, Mewbourne has 18 reached agreement with Jalapeno Corporation and with the 19 EOG entities. Therefore, they are not being forced 20 fooled from this case, and they should be dismissed from 21 this application. 22 EXAMINER DAWSON: Okay. 23 MR. GALLEGOS: Mr. Examiner, if that motion 24 is accepted, I'd like to be excused, if that's 25 permissible.

Page 5 EXAMINER BROOKS: What motion is this now? 1 2 MR. GALLEGOS: Well, I think that -- I believe -- well, maybe I shouldn't have said it's a 3 motion, but I believe it's been stated by the Applicant 4 5 that an agreement has been reached with Jalapeno and that they are not seeking to force pool my client. 6 7 EXAMINER BROOKS: Okay. Is that correct. 8 Mr. Bruce, what he just said? 9 MR. BRUCE: Correct. 10 EXAMINER BROOKS: Okay. Very good. You 11 may be excused, Mr. Gallegos. Thank you very much. 12 MR. GALLEGOS: Thank you. 13 EXAMINER DAWSON: Thank you, Mr. Gallegos. Go ahead, Mr. Bruce. 14 (Mr. Gallegos exits the hearing, 9:06 a.m.) 15 16 MR. BRUCE: Like I said, I'm handing you a package of exhibits. Exhibit 1 is a verified statement 17 of Paul Haden. 18 19 One thing about the depth severance -- and, 20 Mr. Brooks, you're getting a lot of these depth 21 severances. 22 EXAMINER BROOKS: We're getting a lot of 23 them. 24 MR. BRUCE: And as stated in the affidavit, 25 the depth severance resulted from a vertical well

Page 6 drilled to the Bone Spring by the Yates Petroleum 1 Corporation years ago, and under their various 2 agreements, they only drilled to a depth sufficient to 3 test the 1st Bone Spring. And so there is different 4 5 ownership between the 1st Bone Spring and then the 2nd and 3rd Bone Spring together. 6 7 EXAMINER BROOKS: Right. 8 MR. BRUCE: So that is the reason for --9 one of the reasons for the depth severance. And also, Yates Petroleum Corporation, now EOG, does not wish to 10 11 disrupt any interest in that well, so that is why Mewbourne agreed to make this application below the top 12 13 of 2nd Bone Spring. EXAMINER BROOKS: Well, yeah. I think that 14 is the direction that we are going with the depth 15 16 severances because the Oil and Gas Act says we can pool the spacing unit or a part thereof. 17 18 MR. BRUCE: Yeah. 19 EXAMINER BROOKS: I think the direction we 20 are headed now is to pool depth-limited portions of the spacing unit. 21 22 MR. BRUCE: Okay. Moving on, if you go to the attachments, starting on the fourth page back, 23 24 Attachment A is simply a land plat showing the new well 25 unit. It's in the south half-north half of both

1 Sections 23 and 24.

The next exhibit, Attachment B, is the 2 C-102 for the well. This well has not been drilled. 3 It does have a required commencement date of about. 4 5 February 1, and that is the only date we're concerned about. And the pool name, pool code and API number are 6 7 on the C-102. 8 Attachment C shows all the interest owners 9 in the well unit. And there are asterisks by certain of 10 the names, and those are the companies being pooled, 11 Devon, Marathon and MRC. 12 And just for the record, Kyle Perkins, from Matador, or MRC Delaware Resources, and Jennifer 13 Bradfute on behalf of Marathon Oil Permian, entered 14 appearances in this case. They would like their entries 15 16 of appearance noted on the record, so I'm mentioning that now before I forget. 17 18 EXAMINER DAWSON: Okay. So noted. 19 One question I have. 20 MR. BRUCE: Sure. 21 EXAMINER DAWSON: On page 2 of the verified 22 statement of Paul Haden --23 MR. BRUCE: Yeah. 24 EXAMINER DAWSON: -- it says that 25 Marathon's requesting administrative and overhead costs

Page 8 of \$7,500 per month for a drilling well and 700 for a 1 2 producing well. 3 MR. BRUCE: That is correct. 4 EXAMINER DAWSON: That's what they want? 5 MR. BRUCE: That's correct. EXAMINER DAWSON: They don't want 7,500 and 6 7 750? 8 MR. BRUCE: They put this in there. Ιt must be what they want. 9 EXAMINER DAWSON: All right. Usually it's 10 11 the same --12 EXAMINER BROOKS: Usually it's 1 percent --13 or 10 percent. 14 MR. BRUCE: Yeah. Attachment D contains a summary of contacts 15 16 with both MRC, Marathon and Devon, together with backup well proposals. Mewbourne believes they've made a 17 18 good-faith effort to obtain -- to either locate the 19 interest owners in the proposed well or to obtain their 20 voluntary joinder in the well. There are no overriding 21 royalty owners who need to be pooled. 22 Attached as Attachment E is the AFE for the well, which is about 9.2 million, which is stated to be 23 24 fair and reasonable, and we've already gone over the 25 overhead rates.

Page 9 There is -- I'll get to this in a minute. 1 There are one or two unlocatable royalty owners, and the 2 affidavit does state what was done to locate these 3 4 interest owners. 5 And then this application -- I know we've gone through this before, but this is just to cover 6 7 myself. This application was originally filed under the 8 old rule. It was amended in --9 Didn't we amend them in August, I think, Jordan? 10 11 MS. KESSLER: August or September. MR. BRUCE: But I still notified the 12 offsets. Exhibit F lists the offsets. 13 And the landman states that the application 14 is in the interest of conservation and the prevention of 15 16 waste. 17 Exhibit 2 is my Affidavit of Notice 18 regarding the amended application. You'll see down 19 below. Phoebe Jane Welch and Phoebe Jane Welch III and 20 Sanders Thomas Welch, those parties were unlocatable. Notice was mailed to those we had addresses for. You'll 21 22 see that some came back -- or I didn't -- yeah. One 23 green card -- or one envelope came back unclaimed. That was to Phoebe Jane Welch. And I never received a green 24 25 card back from Cannon Exploration.

Page 10 Exhibit 3 is my notice to the offsets, and 1 all of the offsets did receive notice. 2 And then Exhibit 4 is an Affidavit of 3 Publication. So any person who did not receive actual 4 5 notice did receive constructive notice by publication in б the Carlsbad newspaper. 7 Exhibit 5 is the affidavit of Charles 8 Crosby, Mewbourne's landman -- excuse me -- geologist. 9 He attaches a structure map, a gross sand isopach. And he concludes that the horizontal spacing unit is 10 11 justified from a geologic standpoint. Each quarter-quarter section in the well unit will contribute 12 more or less equally to production, and there is no 13 faulting or other impediment to drilling a horizontal 14 well in this area. 15 16 He also states in paragraph five of his 17 affidavit that there is 450 to 500 feet of tight, 18 impermeable mixed carbonates and clastics vertically 19 separating the 1st Bone Spring Sand and 2nd Bone Spring 20 Sand, so there will be no cross-flow between zones. Attachment D to his affidavit is simply 21 22 noting -- identifying other Bone Spring wells in this 23 area -- 2nd Bone Spring wells in this area. And. 24 Mr. Crosby states that production per well with similar 25 completions and similar time online seem to show a

Page 11 preference for the lay-down orientation, and the recent 1 2 completions in the area seem to be economic. 3 And Attachment E is simply the survey calculations for the horizontal well. 4 5 With that, I move the admission of Exhibits 1 through 5. 6 7 MS. KESSLER: No objection. 8 I do have a quick question, Jim. On Attachment C, is the proposed lateral in 9 the second -- second set of logs, is it the one with the 10 little red arrow? Is it the line with the red arrow? 11 MR. BRUCE: Yeah. And that reminds me. 12 Ι 13 know these maps keep getting -- yeah. Over on the right on the cross section, it shows the target interval, so 14 it looks like the upper part of the Lower 2nd Bone 15 16 Spring. 17 And I did bring along some slightly 18 bigger --19 EXAMINER DAWSON: Thank you. Thank you. Ι 20 appreciate you guys bringing these legible larger cross sections that are, you know, easy to read. 21 22 EXAMINER BROOKS: Mr. Dawson expresses 23 himself more courteously in this respect than does Mr. McMillan. 24 25 (Laughter.)

Page 12 MR. BRUCE: I didn't hear that comment. 1 EXAMINER DAWSON: 2 Is that it? MR. BRUCE: Mr. Examiner, if you don't have 3 4 any questions, I'd ask that the matter be taken under advisement. 5 6 EXAMINER DAWSON: Do you have any 7 questions, Jordan? 8 MS. KESSLER: No. 9 EXAMINER DAWSON: Exhibits 1 through 5 will be admitted to the record. 10 11 (Mewbourne Oil Company Exhibit Numbers 1 through 5 are offered and admitted into 12 13 evidence.) EXAMINER DAWSON: There are no further 14 questions from the opposing counsel. 15 16 Does anyone up here -- David or --EXAMINER BROOKS: What marker are you using 17 for defining the top of -- are you going by the base of 18 19 the 1st Bone Spring or the top of the 2nd Bone Spring? 20 And how do you define the marker? 21 MR. BRUCE: The amended application filed, it's a measured depth. Top of the 2nd Bone Spring Sand, 22 measured depth of 8,450 feet, and the base of the Bone 23 24 Spring, 9,675 feet, as identified on the neutron density 25 log of the Shooter West 19 Federal Well #3 located 1,980

Page 13 feet from the south line and from the west line of 1 Section 19, adjoining Section 19 and 1,830 --2 3 EXAMINER BROOKS: Sounds like that's good enough to satisfy the geologist. 4 5 MR. BRUCE: Yeah. And I believe both Mewbourne's geologist and EOG's geologist consulted on 6 7 this to agree to it and a specified interval. 8 EXAMINER BROOKS: Okay. Let's see. Did 9 you notify everyone -- all the owners in the spacing unit? 10 11 MR. BRUCE: Yes. 12 EXAMINER DAWSON: What about overrides? 13 MR. BRUCE: There are no overrides. Either Mewbourne has the right to notify overrides, or they 14 have voluntarily joined the com agreement. 15 16 EXAMINER BROOKS: Okay. I'm sorry. I didn't understand that last part. You first said there 17 were no overrides. 18 19 MR. BRUCE: I meant there are no overrides 20 who need to be pooled. EXAMINER BROOKS: No overrides that need to 21 22 be pooled, and then you said Mewbourne has the right --23 MR. BRUCE: Either has the right or a com 24 agreement. 25 EXAMINER BROOKS: What?

Page 14 1 MR. BRUCE: Or com agreement. 2 EXAMINER BROOKS: Oh, oh. Yeah. Ratification of the com agreement would take care of it. 3 Mewbourne has that right according to the terms of the 4 5 leases or --MR. BRUCE: Or EOG would have the right to 6 7 voluntarily join their overrides. 8 EXAMINER BROOKS: Right. And that applies to all interests in the spacing unit, including -- I 9 mean, the fact that you do not -- there is no one else 10 11 who needs to be noticed applies to the entire spacing 12 unit, not just the portion you're requesting for force 13 pooling? 14 MR. BRUCE: That is correct. EXAMINER BROOKS: Thank you. I think that 15 16 covers everything. 17 EXAMINER WARNELL: I have a question for Mr. Bruce. The land in the spacing unit, is that all 18 19 federal? 20 MR. BRUCE: The land in Section 23, it is 21 partly federal. 22 EXAMINER WARNELL: Are you looking at Exhibit -- or Attachment A? 23 24 MR. BRUCE: Attachment A. 25 EXAMINER WARNELL: Okay.

Page 15 MR. BRUCE: It is federal and fee. Like in 1 Section 23, you'll see there is a lease from T. Wilson, 2 a Midland guy. And so it's federal and fee. 3 EXAMINER WARNELL: Okay. No state trust 4 land? 5 б MR. BRUCE: Not that I see. 7 EXAMINER WARNELL: Could you just verify that for us? 8 9 MR. BRUCE: I will. 10 EXAMINER WARNELL: Thank you. 11 EXAMINER DAWSON: I have no questions. 12 Do you have anything else, Jordan --13 Ms. Kessler? 14 MS. KESSLER: No. EXAMINER DAWSON: So at this point, Case 15 16 Number 16183 will be taken under advisement. 17 Thank you very much. 18 (Case Number 16183 concludes, 9:18 a.m.) 19 20 21 22 23 24 25

Page 16 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 21st day of December 2018. 21 22 MARY C. HANKINS, CCR, RPR 23 Certified Court Reporter New Mexico CCR No. 20 Date of CCR Expiration: 12/31/2019 24 Paul Baca Professional Court Reporters 25