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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 OXY USA, INC. FOR CASE NOS. 20765, COMPULSORY POOLING, EDDY COUNTY, 20766 NEW MEXICO.

REPORTER'S TRANSCRIPT OF PROCEEDINGS

EXAMINER HEARING

September 6, 2019

Santa Fe, New Mexico

BEFORE: DYLAN ROSE-COSS, CHIEF EXAMINER WILLIAM V. JONES, TECHNICAL EXAMINER KATHLEEN MURPHY, TECHNICAL EXAMINER DANA Z. DAVID, LEGAL EXAMINER

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

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

Page 2 1 APPEARANCES 2 FOR APPLICANT OXY USA, INC.: 3 JULIA BROGGI, ESQ. HOLLAND & HART, LLP 4 110 North Guadalupe, Suite 1 Santa Fe, New Mexico 87501 5 (505) 988-4421 jbroggi@hollandhart.com б 7 8 INDEX 9 PAGE Case Numbers 20765 and 20766 Called 3 10 11 Cases Presented by Affidavit 3 Proceedings Conclude 12 11 13 Certificate of Court Reporter 12 14 15 16 EXHIBITS OFFERED AND ADMITTED 17 OXY USA, Inc. Exhibits A through D 10 18 19 20 21 22 23 24 25

Page 3 (1:40 p.m.) 1 EXAMINER COSS: I'd like to call Case 2 Numbers 20765 and 20766, an application of OXY USA, 3 Incorporated for compulsory pooling in Eddy County, New 4 5 Mexico. Call for appearances. 6 7 MS. BROGGI: Julia Broggi, with Holland & 8 Hart, on behalf of the Applicant, OXY USA. 9 EXAMINER COSS: Are there any other appearances? 10 11 MS. BROGGI: Not that I'm aware of, and we 12 intend to present these consolidated cases by affidavit. 13 EXAMINER COSS: Continue. MS. BROGGI: These consolidated cases 14 follow a similar format to the prior consolidated cases. 15 16 The affidavit of the land negotiator, Jeremy D. Murphrey, is Exhibit A in the packet before you. 17 18 Mr. Examiner, do you want me to qualify 19 Mr. Murphrey as an expert again, or does it count that 20 he was qualified before? EXAMINER COSS: Just for the record. 21 22 MS. BROGGI: Okay. In paragraph two of Mr. Murphrey's affidavit, he testifies that he has 23 24 previously testified before the New Mexico Oil 25 Conservation Division as an expert witness in petroleum

Page 4 land matters and that his credentials as a petroleum 1 2 landman have been accepted by the Division and made a matter of public record. 3 And so at this time, I would tender 4 5 Mr. Murphrey as an expert witness in petroleum land matters for these consolidated cases. 6 7 EXAMINER COSS: So qualified. 8 MS. BROGGI: The first case, Case Number 9 20765, OXY is seeking an order pooling all uncommitted interests in the Bone Spring Formation underlying a 10 standard 640-acre horizontal spacing unit comprised of 11 the west half of Sections 8 and 17, Township 24 South, 12 Range 29 East, N.M.P.M., Eddy County, New Mexico. And 13 OXY is proposing to dedicate this spacing unit to the 14 proposed Oxbow CC 17-8 Fed Com #33H well. And draft 15 16 Form C-102 for this proposed well is attached as Exhibit 17 A1. 18 EXAMINER COSS: Did you just tell us the 19 pool code? 20 MS. BROGGI: The pool code is at paragraph 21 nine. It's 50371. 22 When you incorporate the proximity tracts 23 for the completed interval for this proposed well, it 24 does comply with the Division setback requirements. Ι 25 did want to note that Section 8 is an irregular section.

Page 5 So although it may not at first blush appear to be 1 within the 330 feet of the quarter-quarter section line, 2 the first and last take points, when you use the 3 latitude and longitude lines, it does, in fact, fall 4 5 within those 330 feet. Thanks for saying that 6 EXAMINER JONES: 7 because it does help when we look at these a month later 8 or something. 9 Yeah. Well, it was confusing MS. BROGGI: to myself, and so that's the explanation. And that's 10 11 paragraph eight of the testimony on that point. 12 And then in the following case, Case Number 20766, again it's that same horizontal spacing unit, but 13 this time, OXY is seeking to pool all of the uncommitted 14 interests in the Wolfcamp; Purple Sage Formation. 15 And 16 OXY is seeking to dedicate this proposed spacing unit to three proposed wells, and those are the Oxbow CC 17-8 17 18 Fed Com #31H, 32H and 37H wells. And OXY has prepared 19 draft Form C-102s for these proposed wells, and you can 20 find those at Exhibit A2, A3 and A4. And incorporating the proximity tracts 21 22 here, the completed intervals for the 31H well and the 23 32H well will comply with the Division setback 24 requirements, but for the 37H well, OXY is seeking 25 administrative approval separately for a nonstandard

Page 6 well location. And the pool code for this is 98220. 1 2 And there are no depth severances either of the Bone Spring Formation or the Wolfcamp Formation. 3 4 ο. And then Exhibit A5 is the land exhibit that 5 was prepared by the landman, which shows the tracts of 6 land in the proposed spacing unit. And it also shows 7 the interest owners and their percentage of interest by 8 tract for both the Bone Spring Formation and the Wolfcamp Formation, and it also includes unit 9 recapitulations for both of those. 10 11 And as with the last consolidated cases, 12 OXY is seeking to pool the working interest owners 13 highlighted in yellow. 14 And, again, like the prior cases, there are 15 overriding royalty interest owners, but OXY has the contractual authority to pool them, so we're not looking 16 17 to pool them in these cases. 18 OXY sent well-proposal letters to the 19 working interest owners in both cases for all four 20 wells, and those well-proposal letters included an AFE. 21 And you can find them at Exhibits A6, A7, A8 and A9. And the landman testifies in his affidavit that the 22 23 costs reflected in the AFE are consistent what other 24 operators have incurred for drilling similar horizontal 25 wells in the area, and OXY has also made an estimate of

Page 7 overhead and administrative costs. Those are \$7,500 a 1 2 month while drilling and 75 -- \$750 a month while 3 producing, and OXY asks that those costs be incorporated 4 into any order entered by the Division in these cases. 5 In these cases, OXY was able to locate 6 contact information for all of the parties it is seeking 7 to pool, so all parties were locatable. 8 EXAMINER MURPHY: Are there ongoing 9 negotiations? 10 MS. BROGGI: Just like with the last cases, yes, there are negotiations with EOG to resolve this. 11 12 And if they reach an agreement before an order is entered in this case, we will let the Division know 13 that, that we're no longer seeking to pool them. 14 15 EXAMINER JONES: Congratulations, by the 16 way. 17 MS. BROGGI: Let the record reflect that 18 Michael passed the bar. 19 And then turning to the geologist's 20 affidavit, which is found at Exhibit B, the geologist is Tony J. Troutman. He testifies at paragraph two that 21 he's previously testified before the Division and that 22 his credentials as a petroleum geologist have been 23 24 accepted by the Division and made a matter of public 25 record.

Page 8 So we would tender Mr. Troutman again as an 1 2 expert witness in petroleum geology in these consolidated cases. 3 EXAMINER COSS: So recognized. 4 5 MS. BROGGI: Thank you. Exhibit B1 is the location map which shows 6 7 the proposed wellbores for all four proposed wells. 8 Again, the well in the Bone Spring is in purple, and the 9 proposed wells in the Wolfcamp are in red. Exhibit B2 is the subsea structure map for 10 11 the Bone Spring. It was prepared off of the top of the 12 3rd Bone Spring. And Mr. Troutman testifies that the structure appears consistent in the section, and he does 13 not observe any faulting, pinch-outs or impediments in 14 this area. 15 16 Exhibit B3 shows the representative wells both from A to A prime and from B to B prime that were 17 18 used to create the stratigraphic cross sections. 19 And B4 and B5 are those two stratigraphy 20 cross sections. And you'll see that the landing for the proposed wells -- for the proposed well is marked in 21 22 purple. And he testifies that the logs demonstrate that 23 the target interval is within the 3rd Bone Spring, is 24 consistent in thickness across the entire spacing unit. 25 Then moving to the Wolfcamp Formation,

Page 9 Exhibit B6 is another subsea structure map, this time 1 2 prepared off the Wolfcamp Formation. And Mr. Troutman testifies that the structure appears consistent in this 3 section, and, again, he observes no faulting, pinch-outs 4 or other geologic hazards to developing the area. 5 Exhibit B7 shows the representative wells 6 7 used from A to A prime and B to B prime, and the 8 stratigraphic cross section is attached as Exhibits A8 9 and A9. And with respect to those stratigraphic cross sections, Mr. Troutman again testifies that the target 10 11 interval is within the Wolfcamp, appears consistent thickness across the spacing unit. And you'll see that 12 the landing is also marked for all three of those wells. 13 And finally Mr. Troutman also opines that 14 the granting of OXY's applications in these cases are in 15 16 the best interest of conservation, the prevention of waste and the protection of correlative rights. 17 18 Exhibit D is an affidavit from myself with 19 the notice letters that were sent to the parties they're 20 seeking to pool and, you know, the postal delivery report showing those mailings. And even though all 21 parties were locatable, it is our office's practice, out 22 of an abundance of caution, to provide notice by 23 publication. So the affidavit of Notice of Publication 24

25 is attached as Exhibit D.

Page 10 EXAMINER COSS: Should we move to accept 1 2 these into --MS. BROGGI: Yeah. At this time I would 3 ask to admit into evidence Exhibits A through D and 4 5 their accompanying attachments. EXAMINER COSS: Let Exhibits A through D be 6 7 entered into the record. 8 (OXY USA, Inc. Exhibits A through D are 9 offered and admitted into evidence.) 10 EXAMINER COSS: Do you have any questions, 11 Kathleen? 12 EXAMINER MURPHY: The notice appears to be cut off, and you probably should see if you can find --13 MS. BROGGI: Notice of Publication? 14 EXAMINER MURPHY: Uh-huh. 15 16 MS. BROGGI: The only thing I would just. 17 suggest -- I'm happy to get you a better copy, but in this instance, we don't really need the Notice of 18 19 Publication here because we were able to provide notice 20 to all the parties by mail. 21 EXAMINER MURPHY: And everyone received it? 22 MS. BROGGI: Yes. I mean, we probably didn't need to include this as an exhibit, but we had 23 24 it, so I did. 25 EXAMINER JONES: It's on the next page

Page 11 anyway, right? 1 2 EXAMINER DAVID: It's missing one line. We can actually -- you can read it actually. It doesn't 3 take a lot of -- that west half of the west half of 4 Sections 8 and 17 to allow in -- inclusion. 5 The only other thing is about notice. 6 So 7 you can certify to us that notice letters were sent to 8 all the interested parties that were identified in the -- by the landman? 9 MS. BROGGI: Yes, I can do that. 10 11 EXAMINER DAVID: No further questions. EXAMINER MURPHY: I have no further 12 questions. 13 14 EXAMINER COSS: I have no questions. MS. BROGGI: In that case, I would ask that 15 16 Case Numbers 20765 and 20766 be taken under advisement. 17 EXAMINER COSS: Case Numbers 20765 and 20766 will be taken under advisement. 18 19 MS. BROGGI: Thank you. 20 (Case Numbers 20765 and 20766 conclude, 1:53 p.m.) 21 22 23 24 25

Page 12 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 6th day of October 2019. 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