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5		ION OF BC L PARTNERS			CASE NO 15594
6	PARTNERS	, AND NADE	L AND GUS		
7	AND PROR	ATION UNIT EDDY COUN	AND COMP	PULSORY	
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9		REPORTE	R'S TRANS	CRIPT OF PR	OCEEDINGS
10			EXAMINE	R HEARING	
11			Februa	ry 2, 2017	red.
12			Santa Fe,	New Mexico	
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14	BEFORE		•	IIEF EXAMINE EGAL EXAMIN	
15					
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17	New Mexi				hearing before the Phillip Goetze,
18	Chief Examine	amıner, ar	nd David K	Brooks, L	egal Examiner, on Mexico Energy,
19	Minerals	and Natur	al Resour	ces Departm	ent, Wendell Chino , Porter Hall,
20		, Santa Fe			, ,
21					
22	REPORTED	4	⁷ C Hankı Mexıco CC	ns, CCR, RP CR #20	R
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Page 4 EXHIBITS OFFERED AND ADMITTED PAGE BC Operating, Inc 's Exhibit Numbers 1 through 6 and 11 BC Operating, Inc 's Exhibit Numbers 12 through 14 Primero Operating, Inc Exhibit Number 1 Murchison Oil & Gas, Inc Exhibit Number 1

PAUL BACA PROFESSIONAL COURT REPORTERS 500 FOURTH STREET NW - SUITE 105, ALBUQUERQUE NM 87102 *س* ،

Page 5 1 (8 27 a m) 2 EXAMINER GOETZE This leaves us with two 3 Seeing how the pressure maintenance remaining cases case from OXY will involve detailed information, we're 4 5 going to proceed with Case Number 15594, amended 6 application of BC Operating, Incorporated, Crown Oil 7 Partners V, Crump Energy Partners, and Nadel and Gussman 8 Permian, LLC for a nonstandard spacing and proration unit and compulsory pooling, Eddy County, New Mexico 9 10 Call for appearances May it please the 11 MR FELDEWERT Examiners, Michael Feldewert, from the Santa Fe office 12 13 of Holland & Hart, appearing on behalf of the Applicants, and I have two witnesses 14 15 MR BRUCE Mr Examiner, Jim Bruce appearing on behalf of Murchison Oil & Gas, Inc 16 I have 17 three witnesses, but I don't know if I'm going to put on 18 any of them And I'm also entering an appearance for 19 20 Primero Operating, Inc I have one witness, and I 21 probably will not put him on And I am also entering an appearance for 22 23 some of Primero, Inc 's working interest partners, Crown 24 & Knox [phonetic], Venice Oil and Stovall, J T Jackson 25 Centennial, LLC and JTG Resources, LLC

Page 6 William F Carr, Counsel for 1 MR CARR 2 I'm entering my appearance for COG Concho Resources I will not call a witness Operating, LLC 3 4 EXAMINER GOETZE Thank you 5 MR FELDEWERT I don't know how many sets 6 of exhibits to give to Jim Two 7 MR BRUCE 8 EXAMINER GOETZE And one procedural 9 clarification, Mr Bruce There was in your filing a statement regarding a continuation You're not doing 10 that? 11 12 MR BRUCE It is not necessary 13 EXAMINER GOETZE Okay Very good FELDEWERT 14 Mr Examiner, we have two MR 15 witnesses, then, that need to be sworn EXAMINER GOETZE Yes, but let's first do 16 this 17 18 Anybody other than that? 19 Okay Would the witnesses please stand that are going to testify today, and the court reporter 20 will swear you in Please give your name, and she'll 21 22 make record and then swear you in 23 (Mr Gianfala and Mr Moylett sworn) 24 FELDEWERT Call our first witness MR 25 EXAMINER GOETZE Well, now, now, now Do

	Page 7
1	you have an opening statement, any of you gentlemen?
2	MR BRUCE Not at this time
3	MR CARR No, sir
4	EXAMINER GOETZE Proceed
5	BRANDON GIANFALA,
6	after having been previously sworn under oath, was
7	questioned and testified as follows
8	DIRECT EXAMINATION
9	BY MR FELDEWERT
10	Q Would you please state your name, identify by
11	whom you're employed and in what capacity?
12	A Brandon Gianfala I'm employed by BC
13	Operating, Inc as a landman
14	Q And how long have you been a landman with BC
15	Operating?
16	A Since August 15th of 2016
17	Q Okay And have your responsibilities included
18	the Permian Basin?
19	A Yes
20	Q Have you previously testified before the
21	Division, Mr Gianfala?
22	A I have not
23	Q Would you first outline your educational
24	background?
25	A I've an international business degree from

		Page 8
1	Stephen	F Austin State University
2	Q	When did you receive that degree?
3	A	1999
4	Q	When did you commence your career as a landman?
5	А	April of 2005
6	Q	And where did you work, what general areas?
7	А	Mıssıssıppı, Louisiana, all over Texas
8	Q	And when did you start your work as a landman
9	ın the F	Permian Basin?
10	A	In June of 2016
11	Q	Are you a member of any professional
12	affılıat	ions or associations?
13	А	Yes, AAPL, HAPL, PBLA
14	Q	What is the HAPL?
15	А	Houston Association of Petroleum Landmen
16	Q	How long have you been a member of that
17	organıza	tion?
18	А	Since 2011
19	Q	And what about the PBLA?
20	A	Since the summer of 2016
21	Q	And the AAPL?
22	A	Since 2005
23	Q	Okay Do you have any professional
24	certific	cations?
25	А	I do, CPL, Certified Professional Landman

	Page 9
1	Q And when did you receive that?
2	A October of 2016
3	Q Are you familiar with the application that's
4	been filed in this case?
5	A Yes
6	Q And are you familiar with the status of the
7	lands in the subject area?
8	A Yes
9	MR FELDEWERT Mr Examıner, I tender
10	Mr Gianfala as an expert in petroleum land matters
11	EXAMINER GOETZE Mr Bruce?
12	MR BRUCE No objection
13	EXAMINER GOETZE Mr Carr?
14	MR CARR No objection
15	EXAMINER GOETZE He is so qualified
16	Q (BY MR FELDEWERT) Would you please turn to BC
17	Exhibit Number 1? And does this exhibit identify the
18	well, as well the acreage at issue in this particular
19	application?
20	A Yes
21	Q And it provides the Examiner with the surface
22	and bottom-hole location for each well, correct?
23	A Yes
24	Q For the well
25	A Uh-huh

Page 10 And it identifies the first and last take 1 0 2 points? 3 А Yes Now, what is the target of this particular 4 0 5 well? 6 Α The Wolfcamp Formation 7 And this particular C-102 has not yet been Q filed, correct? 8 Correct It's been sent off 9 А It's been sent? 10 0 11 А Uh-huh Yes, sır All right So it should show up in the 12 Q Division's file sometime this week? 13 14 Α Or next week, yes All right Now, I notice that the pool has not 15 0 been inserted here, but is this acreage, Mr Gianfala, 16 subject to the Division's most recent Purple Sage 17 Wolfbone Gas Pool that was created by Division Order 18 19 R-14262? 20 Yes, it is А And have you briefly -- have you reviewed that 21 0 22 order? Yes, I have 23 А 24 Does it provide for 320-acre spacing? Q 25 А Yes

Page 11

Q And 330-foot setbacks?

A Yes

1

2

3 Q And will this particular well comply with the 4 setbacks imposed by this new gas pool?

5 A Yes, it will

6 Q What now, then, does the company seek under 7 this particular application?

8 A We seek to pool the southeast quarter of 9 Section 25 with the east half of Section 36 to form a 10 480

11 Q Okay And as part of that process of forming a 12 nonstandard 480-acre spacing unit, is it now necessary, 13 because this is in the Purple Sage Wolfcamp Gas Pool, to 14 first create a nonstandard spacing unit comprised of the 15 southeast guarter of Section 25?

A Yes

16

17 Q Okay So we have a 160-acre nonstandard unit 18 there that you would tend to combine with the east half 19 of Section 36, correct?

20 A Yes

Q Okay What's the nature of the acreage in this 480-acre spacing unit? Is it state leases?

23 A It's three state leases

Q All right And I notice that your well is roughly a mile and a half, so a half section and a

Page 12 quarter section Why didn't the company extend that 1 horizontal lateral into the north half of Section 25? 2 3 А There's already a well drilled in the north half of the north half, east-west orientation by Matador 4 5 in the Wolfcamp Formation 6 0 Okay And since it's in the Wolfcamp 7 Formation, that would be now in the same Purple Sage 8 Wolfcamp pool created by the Division, to your 9 understanding? 10 Α Yes And is that the Matador's -- is it the Paul 11 Q well or something like that? 12 Yes, it is 13 Α Yes All right How does the company -- given your 14 Q orientation of your well here, on the east half of this 15 subject acreage, how does the company contemplate that 16 the west half of this acreage will be developed? 17 Well, we've staked and surveyed two wells in 18 Α the west half -- the southwest guarter of Section 25, 19 west half of 36, and we're currently working with 20 21 working interest owners to develop that area, to develop 22 a companion well 23 So it will be like a mirror image of this 0 24 particular well? 25 А Correct

Page 13 All right And you're currently working with 1 0 the working interest owners in that -- and I'll call it 2 3 the west-half acreage -- to get that staked-and-surveyed well proposed and drilled? 4 We already have it staked and surveyed 5 А Yes 6 Then focusing now on this All right 0 7 particular well, if I turn to what's marked as BC 8 Exhibit Number 2, does this contain the well-proposal 9 letter that was sent to the working interest owners for 10 what I'll call the east-half acreage well? 11 А Yes And this particular letter would have been --12 0 13 it's dated November of 2016, so it was sent before the Division created that new Purple Sage pool But in this 14 particular letter, you proposed to drill -- you proposed 15 to create a 480-acre nonstandard spacing unit, correct? 16 17 А Yes 18 0 And with your 330-foot setbacks? 19 Α Yes And this letter that went out to the working 20 0 interest owners, did it contain, on the last page, an 21 22 AFE? 23 Α Yes, it did 24 And that AFE is dated October of 2015 -- '16, 0 25 correct?

	Page 14
1	A Yes
2	Q Okay In preparation for this hearing, has the
3	company re-examined, now that we are in January, the
4	costs that were anticipated for this particular well?
5	A Yes
6	Q And if I turn to what's been marked as BC
7	Exhibit Number 3, is this a revised AFE dated late
8	December 2016?
9	A Yes, it is
10	Q And does this reflect now the cost that the
11	company anticipates incurring and drilling and
12	completing this well?
13	A Yes
14	Q And is it similar to what other operators are
15	incurring for drilling similar wells in this area?
16	A Yes, it is
17	Q All right And the costs actually went down
18	from what was originally proposed, correct?
19	A Yes, it did
20	Q If I look at your well-proposal letter, which
21	is Exhibit Number 2 on the first page, does it identify
22	for the Examiner overhead rates for both drilling
23	monthly overhead rates for both drilling and while
24	producing for this particular well?
25	A Yes, it does

	Page 15
1	Q What are those numbers?
2	A 7,000 while drilling and 700 while producing
3	Q And are these overhead rates consistent with
4	what other operators in this area are charging for
5	sımılar Wolfcamp wells?
6	A Yes, they are
7	Q Now, if I turn to what's been marked as BC
8	Exhibit Number 4, this is a multipage exhibit Does it
9	identify the interest owners that were involved in this
10	particular well?
11	A It does
12	Q There are quite a few of them, right?
13	A Yes, there are
14	Q And it shows their interest in the consolidated
15	480-acre spacing unit?
16	A Yes, it does
17	Q All right Now, you have done some shading
18	here and also some italics with some of the names What
19	is the significance of the dark shading on these names?
 20	A The entities involved are entities that I
21	haven't cut a deal with yet
22	Q Okay So are these the companies the
23	companies that are bolded, are they the companies that
24	remain to be pooled?
25	A Yes

Page 16 And then you've also identified some 1 Okav 0 2 interest owners with italics What's the significance 3 on the italics? Those are entities I could not locate 4 Α All right One of the things I notice 5 0 Okav as I go through here, I don't see BC Operating listed as 6 7 a working interest owner Why is that? 8 BC Operating is the operating owner for Crown, Α 9 Crump and Nadel and Gussman Okay So if I look at the first page of 10 0 Exhibit Number 4, I see three entities listed there with 11 their significant interests? 12 13 Α Yes And BC Operating is the operating arm for those 14 0 three entities? 15 16 Α Yes 17 All right Now, with respect to the 0 companies -- or the interest owners you were unable to 18 locate who are shown in italics, what efforts did the 19 20 company undertake to locate these interest owners? We ran the names in every indices in the 21 А We exhausted every Internet site that we 22 courthouse 23 could I also spoke with other interest owners to see 24 if they knew who they were or could help me locate them 25 Q Okay And if I then turn to what's been marked

Page 17 as BC Exhibit Number 5, is this notice of publication in 1 the newspaper directed by name --2 3 А Yes -- to the interest owners, including those that 4 0 vou were unable to locate? 5 6 Α Yes 7 All right Now, with respect to the remaining 0 interest owners that you were able to locate and that 8 9 remain to be pooled -- first off, are there overriding royalty interest owners that you feel the need to pool? 10 Α Yes 11 12 0 And is that because their instrument does not clearly authorize the company to pool the interests? 13 А Yes 14 Now, are those interest owners -- overriding 15 0 royalty interest owners listed on here in some fashion 16 on Exhibit Number 4? 17 18 Α They are If I look at the last two pages, is that the 19 0 20 significance of the ORRI to the right of their interest? 21 А Yes, it is If I turn to what's been marked as BC Exhibit 22 0 Number 6, is this the type of instrument that you sent 23 to these overriding royalty interest owners in an effort 24 25 to reach an agreement that would allow you to

1 voluntarily bring their interest into a pooled spacing 2 unit? 3 Yes, it is А Okay Are you in the process of hopefully 4 0 5 obtaining signatures in return of these documents? 6 Yes, I am Α 7 0 And once those are returned, there will be no 8 reason to force pool them under a pooling order, 9 correct? 10 Correct Α 11 Now, with respect to the working interest 0 12 owners that you seek to pool, what -- generally, what 13 efforts did you undertake to reach an agreement with 14 these interest owners that you were able to locate? I offered them participation in the well for 15 А 16 their working interest I offered to buy them out if 17 they wanted to do that Were you able to contact most of these 18 Okav Q 19 parties and follow up with emails and telephone calls --20 А I was 21 -- if you had an email address or a telephone 0 22 call -- telephone number, I should say? 23 Yes Yes Α 24 And have you -- are you in the process --0 25 you've reached an agreement with a number of them,

1 correct?

2	A I did
3	Q And are you in the process of reaching an
4	agreement with those owners?
5	A Yes, I am
6	Q What's the status? And I mean just generally
7	A I have the assignments written up, and
8	they're in they're with the working interest owners
9	to review and decide, you know, and sign off on them and
10	send them back to me
11	Q Okay Are there some interest owners that you
12	contacted that have indicated whether or not they're
13	going to participate?
14	A Yes
15	Q What have they told you? Have they said for
16	example, are there some interest owners that have said
17	they're just not going to participate in the well?
18	A Yes There are a few that said that
19	Q Okay Are there other interest owners that
20	have stated that they'll wait and see the results of the
21	pooling hearing?
22	A Yes
23	Q Okay
24	MR FELDEWERT Could I have one minute?
25	EXAMINER GOETZE Very good

Page 20 (Pause in proceedings, 8 44 a m to 8 45 1 2 am) 3 MR FELDEWERT I had a series of exhibits 4 dealing with one of Mr Bruce's clients Given our 5 discussion here, I think we can skip through those 6 exhibits 7 EXAMINER GOETZE Okav (BY MR FELDEWERT) So, Mr Gianfala, let's then 8 0 9 turn to what's been marked as BC Exhibit Number 11 Does this then contain an affidavit prepared by my 10 office with attached letters providing notice of the 11 12 hearing to the affected parties? 13 А Yes Okay And did the notice list that you 14 0 15 provided to our firm include the parties affected by the creation of the nonstandard spacing unit in the 16 17 southeast guarter of Section 25? 18 А Yes As well as the parties that you seek to pool, 19 0 20 correct? Uh-huh 21 Α 22 And were BC Operating Exhibits 1 through 6 Q prepared by you or compiled under your direction and 23 supervision? 24 25 А Yes, they were

Page 21 FELDEWERT Mr Examiner, I'd move the 1 MR admission into evidence of BC Operating Exhibits 1 2 3 through 6, as well as Exhibit 11, which is the notice affidavit 4 5 EXAMINER GOETZE Mr Bruce? No objection 6 MR BRUCE Mr Carr? 7 EXAMINER GOETZE 8 MR CARR No objection 9 EXAMINER GOETZE Exhibits 1 through 6, plus Exhibit 11 are so entered into the record 10 (BC Operating, Inc Exhibit Numbers 1 11 12 through 6 and 11 are offered and admitted 13 into evidence) 14 FELDEWERT That concludes my MR 15 examination of this witness Bruce? 16 EXAMINER GOETZE Mr 17 CROSS-EXAMINATION BY MR BRUCE 18 Gianfala, you said you made offers to 19 0 Mr certain working interest owners Does that include 20 21 Primero and some of the other parties I named as I was 22 entering an appearance, to purchase their interest? 23 I did make offers to the people that I got in Α 24 contact with, yeah 25 Q Yeah And has Primero preliminarily indicated

Page 22 that the offer was sufficient? 1 2 Α No 3 Okay And I can have my witness, when he gets 0 4 here, address that issue 5 One thing, Mr Gianfala You have proposed 6 a JOA to Murchison and the other parties, correct? 7 Α Yes 8 And you know that the south half of Section 25 Q 9 is part of a separate working interest unit under a JOA, correct? 10 Can you repeat that? 11 Α 12 Is the south half of 25 under a separate JOA 0 than the one you proposed? 13 Yes, it is 14 А 15 And it covers the south half of Section 25 at 0 additional acreage, is that correct? 16 17 А It does 18 0 And it's often referred to as a working 19 interest unit? 20 А Yes 21 Does the JOA that you have proposed for your 0 22 480-acre well unit state that it replaces or supersedes 23 the existing JOA? 24 А Yes 25 Now, if somebody only owns a contractual Q

	Page 2
1	working interest in the southeast quarter of Section 25
2	and that old JOA is superseded, wouldn't their interest
3	disappear?
4	A No
5	Q Would you be would BC be willing to put in
6	some clarifying language so that if the parties sign it,
7	Murchison's interest does not disappear?
8	A Yes, definitely
9	Q And is all of the acreage in the well unit
10	state acreage?
11	A Can you repeat that question?
12	Q Is all of the acreage in the proposed well unit
13	state acreage?
14	A State acreage? Yes
15	Q Okay So getting an APD issued won't take very
16	long, is that correct?
17	A It shouldn't
18	Q And let's just get to the west half of this
19	acreage You said that BC has staked two locations in
20	the west half 480 acres the west 480 acres?
21	A Yes
22	Q And does BC or its working interest partner
23	not BC, but do its working interest partners own
24	interest in the west half or west 480 acres?
25	A Can you repeat that?

	Page 24
1	Q In the west 480 acres, does Nadel and Gussman
2	or other BC's working interest partners, do they own a
3	working interests in the
4	A Yes, they do
5	Q So they have the right to propose a well?
6	A Yes
7	MR BRUCE That's all I have,
8	Mr Examiner
9	EXAMINER GOETZE Thank you very much
10	Mr Carr?
11	MR CARR No questions
12	EXAMINER BROOKS No questions
13	CROSS-EXAMINATION
14	BY EXAMINER GOETZE
15	Q In your best estimate, what is the amount of
16	acreage in your project area that's uncommitted at this
17	time, roughly?
18	A Hmm I would be guessing Maybe 20 acres
19	20 net acres Maybe a little bit more than that
20	probably I'm not sure
21	Q And percentagewise we're not looking at a large
22	interest that's still outstanding as far as commitment?
23	A No, sır
24	Q And who prepared the JOA?
25	A I did

Page 25 Okay What is the primary reason for the 1 Q reduction in the cost? Was there a significant change 2 3 from when originally proposed to the time you went out with the second AFE? 4 The completion procedures is different -- it's 5 Α 6 going to be different, and that reduced the cost 7 Q Okay Very good EXAMINER GOETZE You don't have any 8 9 redirect, do you? 10 MR FELDEWERT No, sır EXAMINER GOETZE We're done with this 11 12 witness 13 Thank you FELDEWERT Okay Call our next 14 MR 15 witness MIKE MOYLETT, 16 17 after having been previously sworn under oath, was 18 questioned and testified as follows 19 DIRECT EXAMINATION 20 BY MR FELDEWERT Please state your name, identify by whom you're 21 0 employed and in what capacity 22 My name is Mike Moylett I'm a vice president 23 А of geosciences for BC Operating, Incorporated 24 25 Q And how long have you been with BC Operating?

	Page 26
1	A Five years
2	Q Mr Moylett, have you previously testified
3	before this Division as an expert in petroleum geology?
4	A Yes, I have
5	Q Are you familiar with the application filed in
6	this case?
7	A Yes, I am
8	Q And have you conducted a geologic study of the
9	lands that are the subject of this hearing?
10	A Yes, I have
11	Q Would you identify in more detail the target of
12	the proposed well?
13	A The target is the Upper Wolfcamp Formation
14	approximately 100 feet below the contact between the
15	base of the 3rd Bone Spring Sand and the top of the
16	Upper Wolfcamp We're targeting the same bench that the
17	Matador Paul well is in in the north half-north half of
18	Section 25
19	Q Thank you
20	And so the target, essentially, is the
21	sandy zone, is that right?
22	A Yes, it is
23	Q And does this targeted interval extend across
24	the acreage that's at issue?
25	A Yes, it does

Page 27 1 EXAMINER GOETZE Before we go any farther, 2 do you want to gualify your witness? 3 MR FELDEWERT Yes I might do that 4 (Laughter) Well, I didn't know how 5 EXAMINER GOETZE 6 far I thought he was going to give us a little more of 7 a tour guide and then get into the --8 Uh-huh MR FELDEWERT Thank you 9 I will tender Mr Moylett once again as an 10 expert witness in petroleum geology EXAMINER GOETZE 11 Mr Bruce? 12 BRUCE No objection MR 13 MR CARR No objection 14EXAMINER GOETZE Welcome back 15 And proceed 16 MR FELDEWERT Thank you 17 FELDEWERT) Have you examined the 0 (BY MR structure of this particular subject area? 18 Yes, I have 19 Α And if I turn to what's been marked as BC 20 0 21 Exhibit Number 12, is that the structure map that you 22 put together for this hearing? 23 It is a structure map, top of the Α Yes 24 Wolfcamp Formation 25 Q Would you identify first -- orient us towards

Page 28

1 the area -- the acreage that --

A I've highlighted in yellow In the southeast quarter of Section 25 and the east half of Section 36, 24 South, 28 East is the acreage of the Southern Comfort where we're proposing to drill

6 Q Okay Now, I see you mention the Matador well 7 in the north half-north half That is shown on here in 8 green, is that right?

9 This is a structure map that's contoured Α Yes on a one-inch as you go 100 feet 10 It shows approximately a 100 degree dip per mile Updip is to 11 the west, which would be to the left on this map 12 Downdip is to the right, which would be east 13 So it 14 shows that regional dip of the area about one degree per And what I've highlighted in green with the 15 mıle 16 sticks are the horizontal Wolfcamp wells producing on this map And the Matador Paul well that we've been 17 talking about is in the north half-north half of Section 18 25, of 24 South, 28 East 19

20 Q Okay And you mention that that's the same 21 bench you are targeting with this proposed well, 22 correct?

A Yes, it is

23

Q Now, there is a mixture, I see, of stand-up and lay-down wells in the Wolfcamp Formation in this area,

1 right?

-	
2	A That's generally land driven by the acreage
3	position up in there The principal stress direction
4	out here is approximately north 30 to north 40 degrees
5	east So it does not really lend itself to drill
6	east-west or north-south to encounter, you know, the
7	major principal stress directions out in there
8	Q So in your expert opinion, does the orientation
9	of the wells to be stand-up or lay-down have an impact
10	on the ability of the well to efficiently drill the
11	acreage?
12	A No, they do not
13	On this map, I haven't identified the
14	Concho wells, but they have north-south, east-west
15	wells Matador has north-south, east-west wells
16	Another big driller out here, Mewbourne Oil & Gas
17	Company, has north-south, east-west wells
18	Q And based on your study, do you see any
19	structural any structural impediments to the
20	development of the Wolfcamp using horizontal wells in
21	this subject area?
22	A No What I hope to demonstrate on the
23	structure map is that it's basically a regional dip
24	We'll be drilling fairly pretty much on strike from
25	north to south We won't encounter any faults or

Page 30 1 geologic impediments as we drill this well All right Now, did you also then 2 Q Okay 3 create a cross section of this area for the Wolfcamp 4 Formation? 5 I created two cross sections, a А Yes 6 north-south cross section following predominantly the strike direction, then an east-west cross section going 7 8 across the dip 9 All right Let's turn to what is marked as BC 0 Exhibit Number 13 And is this your north-south cross 10 11 section? 12 Α Yes, it is, but more to the left, as indicated in the top of the cross section 13 And if I take a look first at the inset on the 14 0 right-hand side of this exhibit, does that identify for 15 the Examiners the wells that were utilized to create the 16 17 cross section? That is a line of cross That is correct 18 А 19 It's a four-well cross section from north to section south using the wells on the acreage or adjacent --20 immediately adjacent to the acreage and also using a 21 modern suite of logs The two wells -- modern suite of 22 logs and an older electric log or sonic log 23 24 In your opinion, are the wells that you've 0 25 chosen representative of this particular area?

Page 31

1

Yes, it is

Α

Q Turning then to your cross-section study here, have you identified for the Examiners the Wolfcamp Formation?

The datum -- this is a stratigraphic 5 Α Yes cross section, the datum on top of the Wolfcamp 6 7 Formation and the base of the 3rd Bone Spring Sand And what I've shown is the target interval that our proposed 8 well will be encountering And on the cross section 9 10 from left to right, on Tract 1 is a gamma-ray log It's an API from 0 to 100 units, and the highlighted over 50 11 ohms, some of carbonates in here If you notice in the 12 13 target interval, we don't have any of the blue shades in there, so we're targeting sand Tract 2, to the right 14 of the depth track, is a neutron density-porosity log 15 scaled from minus 10 porosity units to 30 porosity 16 units, porosity increasing to the left And I've 17 highlighted over 8 percent of density porosity in the 18 targeted interval 19

20 And Tract 3 is a resistivity log And I 21 highlighted resistivities less than 100 ohmmeters, and 22 the resistivity decreases from right to left And 23 that's the correlation interval that we looked at And 24 what I have shown or tried to -- or am demonstrating on 25 this cross section is that bottom resistivity package is

Page 32 the sand that we will be targeting in our Southern 1 Comfort well, which is the same sand or bench that the 2 3 Matador Paul 221 well targeted And with these 3,000 pound-per-foot fracs and 30 barrel-per-foot fluid 4 5 completions up there, you will be able to actually 6 produce that bench right above you There is no 7 barriers there So --Now, did you then also create a similar cross 8 0 9 section running east-west? Yes, I have 10 А 11 Has that been marked as BC Exhibit Number 14? 0 12 Α Yes And, again, have you identified, in the bottom, 13 0 right-hand corner of that exhibit, the wells utilized to 14 create your cross section? 15 16 Α Yes And those wells, in your opinion, are 17 Q representative of the area? 18 19 А Yes 20 And do you show similar results on this -- on 0 21 Exhibit 14 as you saw in Exhibit --22 It has the same cutoff that I've already А Yes mentioned on the north-south cross section for the gamma 23 24 ray and the porosity and the resistivity logs The 25 tie-in well on the north-south cross section with this

east-west cross section is the Primero Queen Lake 36 State Com And this east-west cross section also identifies -- it covers approximately three miles the homogeneous thickness of that sand retardant So it's fairly similar in the east-west direction or the dip direction and also the north-south direction

Q Do you see any depreciable difference in the sand as you move across the subject area, whether it's north-south or east-west?

10

23

No, I do not

11 Q And do you expect that each of the tracts 12 comprising the proposed nonstandard spacing and 13 proration unit will contribute to the production of the 14 proposed well?

15 A Yes, I do

Α

Q And in your opinion, is the granting of this application in the best interest of conservation, the prevention of waste and the protection of correlative rights?

20 A Yes

А

Yes

21 Q Were BC Exhibits 12 through 14 prepared by you 22 or compiled under your direction and supervision?

24 MR FELDEWERT Mr Examiner, I would move 25 admission into evidence BC Exhibits 12 through 14

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Page 34 Mr Bruce? Mr Carr? EXAMINER GOETZE 1 2 BRUCE No objection MR 3 MR CARR No objection EXAMINER GOETZE Exhibits 12 through 14 4 are so entered 5 (BC Operating, Inc Exhibit Numbers 12 6 through 14 are offered and admitted into 7 evidence) 8 9 MR FELDEWERT That concludes my examination of this witness 10 Bruce? 11 EXAMINER GOETZE Mr CROSS-EXAMINATION 12 13 BY MR BRUCE On your Exhibit 12, how many -- I think you 14 0 said the Paul well in the north half of 25 is the Upper 15 Wolfcamp, correct? 16 17 Α Yes How many other Upper Wolfcamp wells are on 18 0 19 this? Well, it depends on what you'd call the Upper 20 Α 21 Wolfcamp It's called different names We're calling this, with Matador, the X-Y Sand 22 And I was just going to ask you to use that 23 0 24 terminology To the east in Section 31 is an XTO Golden 25 А

	Page 35
1	Child, and that's a sand below the X-Y To the in
2	Section 30 of 24-29, about 1,000 800 to 1,000 feet
3	below the top of the Wolfcamp is a Wolfcamp B bench
4	There are numerous benches out here targeting the
5	Wolfcamp in this immediate vicinity And that's why you
6	will see, in 24 South, 28 East, for example, in Sections
7	13 and 14, the six horizontal wells in the south half of
8	those two sections targeting different benches that are
9	productive in this vicinity
10	Q Okay But on this plat, about how many are the
11	X-Y zone?
12	A On this plat?
13	Q Yeah
14	A Well, the one in Section 25 would be X-Y 13
15	and 14 has some X-Ys in 24-28 Section 10 is an X-Y
16	Section 5 is X-Y The majority of the wells out here
17	and I have a list of all the Matador wells Two-thirds
18	of them are targeting the $X-Y$ and about a third for the
19	B To the south in 25-28, Matador has targeted
20	Mewbourne some B2 wells And in Section 25-29, that
21	two-mile lateral, Concho drilled the Admiral Fed, has
22	targeted the sand right below the X-Y, which they call
23	Upper Wolfcamp Some people call it A, some call it
24	upper There is no industry standard for naming these
25	different zones

Are there any mile-and-a-half X-Y wells on

this map? On this map, there are not, but right off this 4 А 5 map, there are mile-and-a-half X-Y wells Up in 23-27, 6 immediately northwest of this map, Mewbourne has drilled 7 mile-and-a-half wells in the X-Y We're -- we're -we're in the process of completing a well in 23-26 8 9 called the Red Light well That's a mile-and-a-half 10 well, X-Y sand 11 BRUCE That's all I have, MR 12 Mr Examiner 13 EXAMINER GOETZE Very good Now Mr Carr 14 15 No questions MR CARR 16 EXAMINER GOETZE Mr Brooks? 17 EXAMINER BROOKS No questions 18 CROSS-EXAMINATION BY EXAMINER BROOKS 19 Well, I do have one question It doesn't have 20 Ο 21 anything to do with the case (laughter) What's the difference between a geologist 22 and a geoscientist? 23 24 I don't see any difference Some people --Α 25 there is no difference, just how they print it on my --

1

2

3

0

Correct Correct

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Page 37 1 0 I've heard the term "geoscientist" used extensively recently, and I wasn't sure if it meant some 2 kind -- if it meant just simply what we've always called 3 4 a geologist --5 There is -- there is no change in pay Α No grade versus a geologist or a geoscientist on the card, 6 7 at least that I'm aware of 8 0 Thank you 9 EXAMINER GOETZE Well, Mr Brooks, 10 geologists choose their colors more definitely THE WITNESS They do, yeah 11 12 EXAMINER BROOKS I'm told that the principal qualifications to be a geologist is to be able 13 to draw pretty pictures 14 15 THE WITNESS I was going to call myself a geologist, but the card I handed you said "Geosciences" 16 on it, so I made sure it was apples and apples 17 18 CROSS-EXAMINATION 19 BY EXAMINER GOETZE Your target interval, do you have any 20 0 Okav 21 concept on the existing permeability-porosity relationship there as far as -- I see in the logs --22 23 А The porosity varies from 8 to 12 percent 24 density porosity 25 The permeability, you have to -- you have

different age logs here, but you try to get a gauge for 1 We don't have any sidewall cores or any cores up in 2 ıt 3 there, separation on the resistivity logs These sands are low-resistivity sands The permeability in the 4 Wolfcamp sands are a little lower than the Upper 3rd 5 6 Bone Spring And that would be evidenced by that Primero Queen Lake well where the separation between the 7 curves on the resistivity log showed a little more 8 9 separation

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But the drilling of the X sand that we 10 encountered in the 3rd Bone Spring Sand, it's very, very 11 It's very easy rock to drill versus some of 12 sımılar the Lower Wolfcamp where we start getting into the 13 14 shales and the laminated carbonates And these wells, they act like a 3rd Bone Spring Sand as far as the GORs 15 16 are sımılar The gravities are similar The treating 17 pressures are similar

18 Q You mention the Matador well to the north 19 Have they shared information with you, or is this 20 something that you just --

A It's public information

21

22 Q And how successful was that well?

A Oh, the Paul well, that's the best well in this area We haven't showed them as exhibits, but I have decline curves on that Paul well, and it's one of the

Page 39 better X-Y wells And that was 3,000 pounds-per-sand 1 2 frac, cemented liner, 40 gallons of fluid per foot 3 Some of the other operators are ramping up to that number 4 5 Do you feel that what you've seen in the east 0 6 half of 36 and 25 is also going to be duplicated in the 7 west half? 8 That should be borne out by the east-west Α Yes 9 cross section where it's a three-mile cross section, and it's similar-looking sand 10 11 0 Very good 12 EXAMINER GOETZE I have no more questions 13 for this witness 14 FELDEWERT I have no further MR 15 That concludes our presentation questions 16 EXAMINER GOETZE Mr Bruce? 17 BRUCE (Indicating) MR 18 EXAMINER GOETZE We're done with you 19 Thank you very much I'm going to put up a witness 20 MR BRUCE for Primero to clarify something, but if we can take a 21 five-minute recess so I can talk to my witnesses and 22 speed things up 23 24 EXAMINER GOETZE All right Give you ten 25 minutes

Page 40 1 (Recess 9 10 a m to 9 23 a m) 2 EXAMINER GOETZE Okay Ladies and 3 gentlemen, we're back in session, again 4 At this point I believe, Mr Bruce, you 5 have the floor 6 My first witness will be Jim MR BRUCÉ 7 Schultz, who is appearing on behalf of Primero Operating 8 and some other entities He needs to be sworn in 9 EXAMINER GOETZE Yes We'd like to go ahead and find out what he does for a living 10 11 MR BRUCE And then I will also present 12 the landman 13 EXAMINER GOETZE Okay So if the two witnesses for this application -- part of the 14 15 application would please stand, identify yourselves and 16 be sworn in 17 SCHULTZ My name is Jim Schultz, MR 18 S-C-H-U-L-T-Z 19 BUDDENBOHN Eric Buddenbohn, MR 20 B-U-D-D-E-N-B-O-H-N 21 Schultz and Mr Buddenbohn sworn) (Mr 22 JIM SCHULTZ, 23 after having been first duly sworn under oath, was 24 questioned and testified as follows 25 EXAMINER GOETZE Mr Bruce

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1	DIRECT EXAMINATION
2	BY MR BRUCE
3	Q Please state your name for the record
4	A Jim Schultz
5	Q And where do you reside?
6	A Roswell, New Mexico
7	Q What is your occupation?
8	A I'm an independent petroleum landman
9	Q And in this case, are you working on behalf of
10	Primero Operating and some other working interest owners
11	in the proposed well unit?
12	A Yes
13	Q Have you previously testified before the
14	Division?
15	A Yes
16	Q And were your credentials as an expert
17	petroleum landman accepted as a matter of record?
18	A Yes
19	Q And are you familiar with the land matters
20	involved in this well unit?
21	A Yes
22	MR BRUCE Mr Examıner, I tender
23	Mr Schultz as an expert in petroleum land matters
24	EXAMINER GOETZE Mr Feldewert?
25	MR FELDEWERT No objection

Page 42 EXAMINER GOETZE Mr Carr? 1 2 MR CARR No objection 3 EXAMINER GOETZE He is so qualified (BY MR BRUCE) Mr Schultz, following the 4 0 5 proposal from BC Operating of this well, have you been 6 in contact with BC and Primero Operating and a number of other working interest owners regarding the drilling of 7 8 the well either participating or having an interest in 9 purchase? Yes, I have 10 Α 11 And what happened within the last 24 hours? 0 12 I believe we've had an oil agreement with BC to А farm out our interest to them 13 And it was reached under -- although it's not 14 0 reduced to writing, there were mutually agreeable terms? 15 16 А Yes 17 And so at this point, I mean, Primero, et al 0 would like to see the well drilled? 18 19 А Yes, they would So there was a little -- I just 20 MR BRUCE 21 wanted to clear up the fact that agreements have been reached with certain parties, Mr Examiner, since 22 Mr Gianfala was uncertain of that point 23 24 0 (BY MR BRUCE) Are there some title issues in 25 the Section 36 acreage?

Page 43 Yes, there are 1 А Due to unwritten agreements, et cetera, and how 2 0 3 they've been interpreted? There's been contractual obligations and А Yes 4 rights that were not actually put of record They're 5 6 referenced in the assignments and stuff But yeah, they have created ambiguities in title which do need to be 7 8 settled 9 0 And are you and Primero willing to work with BC to help clarify these title matters? 10 It would be in our best interest to work 11 A Yes 12 with them 13 Q Thank you That's all I have, 14 MR BRUCE 15 Mr Examiner EXAMINER BROOKS Well, I quess --16 EXAMINER GOETZE Let's ask Mr Feldewert 17 if he has any questions 18 19 EXAMINER BROOKS Yeah That's what is 20 going to happen next FELDEWERT No 21 MR 22 EXAMINER GOETZE Mr Carr? 23 MR CARR No questions 24 EXAMINER GOETZE Mr Brooks? 25 EXAMINER BROOKS I do have questions

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1	CROSS-EXAMINATION
2	BY EXAMINER BROOKS
3	Q Since you mentioned ambiguities in title, are
4	there any people that you know of who have interests
5	that are apparent from instruments of record who are not
6	included and not listed in this what was the exhibit
7	number for the title for the owners list of owners?
8	I'm trying to find it here
9	MR FELDEWERT 4
10	EXAMINER GOETZE Exhibit 4, yes
11	Q (BY EXAMINER BROOKS) Are there any people who
12	have interests that are apparent from recorded
13	interests, whether valid or not, that are listed that
14	are not listed in Exhibit 4?
15	MR FELDEWERT Mr Brooks, while he's
16	looking, I will offer one thing for the record My
17	understanding is that Crown Oil, Crump Energy and Nadel
18	and Gussman have reached an agreement with the interest
19	owners
 20	EXAMINER BROOKS Yes, sir
21	MR FELDEWERT and that would absorb
22	their interest and, therefore, would not appear on this
23	list
24	EXAMINER BROOKS Okay That may resolve
25	the matter I'm not sure because when I have indefinite

Page 45 1 testimony that there are titles -- that there are title 2 issues in this unit, then I don't know what that shows 3 in terms of the record I don't need to know in detail 4 I just need to know if there are any parties whose 5 interests are apparent of record who, in fact -- well, 6 now, if they have -- if they have acquired the interests 7 of any such parties, then, of course, those parties no 8 longer have interests It becomes a moot point But 9 I'm trying to ascertain if there is anyone -- if there 10 is any possible defect of notice 11 THE WITNESS Yes, sır There are other 12 parties that may own an interest that were originally of 13 record, probably around four to six parties 14 0 (BY EXAMINER BROOKS) And have the parties that 15 have made a deal with -- with the operator -- according to the testimony, have they acquired the interest of 16 17 those parties that --18 That, I don't know I don't think so Α Okay Well, under this -- and those interests 19 0 that you're speaking of are of record? I mean, there is 20 an instrument of record? 21 22 There are some instruments which give them at Α least some sort of claim to an interest I think it 23 24 would have to be either a stipulation of interest or 25 maybe a quiet title suit to settle the issue But,

again, we have talked with BC about some of these issues, that we may be able to put together a type of assignment which would include that interest also, that if, in the foreseeable future, title is altered or could be proved up to 100 percent to where these parties may have been included in our oral agreement and have the matter settled

8 EXAMINER BROOKS Well, does anybody else 9 want to ask any questions following up on mine?

10 Just a comment, Mr Examiner BRUCE MR 11 I think the parties are trying to work together to make sure everybody's tied up one way or the other And, of 12 course, if there are people who might have interests and 13 proven up in the future either by voluntary agreement or 14 by a subsequent hearing, they could be force pooled 15 16 But, obviously, you know, I don't think they all need to be noticed in this case 17

Well, I'm unclear on that 18 EXAMINER BROOKS 19 because the rule requires notice to everybody who has an 20 interest that is evidenced by a recorded instrument 21 And, of course, if there is a recorded instrument that 22 evidences title in A and then there is another recorded 23 instrument from A to B, then A no longer has title, and they still -- that's one of the problems with the way 24 25 the rule is stated, because A still has an interest

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Page 47 shown by an interest of record, but not -- it's not an 1 2 instrument apparently from title, which is what I think 3 they meant to say I'm going to suggest that we continue this 4 5 case for four weeks to give us an opportunity to either 6 resolve this matter or correct any defects in notice 7 MR FELDEWERT Examiner, may I comment Mr on a couple of things? 8 9 EXAMINER BROOKS You may Number one, as you can 10 MR FELDEWERT imagine, we had a four-page list of interest owners --11 12 EXAMINER BROOKS Rıqht -- some of which have a 13 MR FELDEWERT 14 very small percentage of interest 15 EXAMINER BROOKS Right FELDEWERT Now -- and I can have a 16 MR witness come to the stand if you want But I can tell 17 you, for example, there are companies like Mark 18 19 [phonetic] Oil, okay, that have acquired within the last couple of weeks the interests of seven other parties 20 Okay? You're going to have a lot of deals like that 21 When that instrument hits the record, I don't 22 going on But clearly they have -- they acquired of an 23 know 24 interest of a party who, depending upon when you look at the -- at the interest owner of record, okay --25

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1	EXAMINER BROOKS Yeah
2	MR FELDEWERT they may show up you
3	may have looked at them in December, and then they show
4	up as an interest of record But by the time they get
5	to hearing, their interest has been acquired by another
6	party, so they are, therefore, no longer
7	EXAMINER BROOKS Have an interest in
8	the they're not entitled to notice
9	MR FELDEWERT Exactly
10	EXAMINER BROOKS If your client, as the
11	applicant, knows of an instrument of an instrument
12	that takes that interest out of the parties of record,
13	then I think it's no longer
14	MR FELDEWERT So one thing Mr Gianfala's
15	been doing here in trying to get ready for this hearing
16	is to keep track of all those transactions, okay, and to
17	give you an accurate list of parties that need to be
18	pooled after having noticed the parties that were of
19	record at the time we filed the application Okay?
20	Number one
21	Number two, we gave we provided an
22	Affidavit of Publication
23	EXAMINER BROOKS Right
24	MR FELDEWERT that named the interest
25	owners that were of record at the time that the

1 application was filed and the publication was made 2 Okay? I'm sure there have been transactions since that 3 time

EXAMINER BROOKS Well, I believe that the -- if I recall right -- I don't have the rule book here and my recollection needs to be refreshed -- it refers to the time -- the rule refers to the time of the application

9 MR FELDEWERT Yes Yes So my point is I don't know what we gain by sitting here for another 10 11 four weeks and delaying this project This project's 12 already been delayed, as you know, by the continuances 13 90 davs This was first proposed back in -- give me a 14 minute -- back in November I'm a little off, 60 days Okay? So we've already had a substantial delay in 15 moving this well forward We're trying to get this well 16 17 drilled Notice has been provided to the interest owners of record as has been testified to, and there is 18 no evidence that -- any record that there are parties 19 who own an interest that have not been notified 20 So I don't know why we would be delaying for four weeks 21 EXAMINER BROOKS 22 Well, I thought this witness' testimony was contrary to that, that there was 23 24 evidence in the record that parties owning -- that's the 25 reason I raised it I thought that the present witness'

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Page 50 testimony was that there is evidence of notice -- of 1 2 people who own -- his testimony constitutes evidence 3 that people own interests of record that are not listed in this exhibit Now, maybe they don't, and that should 4 5 be shown, but that seems to me to be the state of the 6 evidence at this point 7 FELDEWERT Well, may I cross-examine MR 8 the witness 9 EXAMINER BROOKS You may CROSS-EXAMINATION 10 11 BY MR FELDEWERT 12 Schultz, when did you conduct any type of Mr Q review to ascertain who is an interest owner of record 13 in this 480-acre spacing unit? How long ago was that 14 analysis done? 15 Probably end of November, first of December 16 А So it would be over 60 to 30 days old? 17 0 18 Yes Α Does it take into account the transactions that 19 Q have occurred since that time? 20 21 Α No Okay And can you identify any particular 22 Q interest owner today that you know has an interest in 23 24 this acreage that has not been noticed? 25 Α Well, let me preface this by I have seen the

Page 51 title opinions prepared by BC, Brian Street [phonetic] 1 And after examining those, I have guestions as to why 2 3 some of the potential owners were admitted and 4 showing -- owning no interest in these particular zones Also, I talked to one particular lady 5 Her name is Billie Michaud And she and her husband have a 6 7 company called Geo-Finance Nadel and Gussman purchased their interest and originally had informed her that she 8 9 owned 57 net mineral acres But when they went to pay 10 her, they paid her for 35 net mineral acres And based on my calculations, what I thought she owned at that 11 12 time, she probably had the 57 net acres Now, the 13 language was changed in the assignment to include all contractual rights and various things But they said 14 that they really didn't think she owned more than 35 net 15 16 But yet when I looked at the BC title opinion, acres Nadel and Gussman was owning somewhere around 49 17 percent, and I don't know how they get to that 49 18 19 percent I still do not understand that Okav? 20 And I go right back to where I was Ι think there needs to be probably a quiet title suit as 21 to at least the northeast quarter tract of land, maybe 22 even the southeast -- well, take that back -- including 23 24 the southeast quarter 25 There's just -- I know quite a few of these

people personally who have working interests in there, and it was their understanding that they owned not just shallow rights, which I'm talking about, from surface down to the base of the Delaware, but they also own below the base of the Delaware, and they're not shown any interest in the BC title opinion

7 EXAMINER BROOKS Well, the question that I 8 asked and the question that matters for this purpose is 9 whether or not they own the title that was apparent of 10 record and refers to the specific date that this 11 application was filed So I don't know when this 12 application was filed

13 MR BRUCE November 1

14EXAMINER BROOKSNovember 1?Okay

I think the best thing to do is to continue 15 the case and allow -- allow the parties some time to 16 straighten this matter out or at least figure out who 17 18 the parties are and be sure everyone's been notified 19 That will obviate us having to go through another one of these proceedings where we amend a compulsory pooling 20 order due to discovery of additional parties 21 I'm trying to get away from that if possible It's not 22 always going to be possible 23 If the parties think that by conferring 24

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some more this morning that we could get this evidence

25

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1 cleared up, well, I would say we can take a recess, but 2 I don't know if that's going to be possible because 3 complicated titles usually don't get sorted out that 4 quickly

5 MR FELDEWERT Mr Brooks, I'm trying to 6 figure out exactly what you want I mean, he's 7 testified that there may be need to be a quiet title 8 suit I would hope that the pooling order is not going 9 to be held up by a quiet title suit

EXAMINER BROOKS Absolutely not, because we don't have to determine who actually has title or who has apparent title of record or had such on November 1st of 2016

MR FELDEWERT And I'm trying to figure out if you delay this for four weeks, what do you expect to occur in terms of additional notice if we don't have individuals identified that have not -- who someone thinks may have title?

19 EXAMINER BROOKS Well, we can ask the witness here to identify the people he has said are not 20 listed on that list, and that matter can be 21 If they don't have title apparent of the 22 investigated record or if they've divested it, there won't be any 23 necessity for any more proceedings We can then 24 25 thereafter -- or we could -- we could take this case

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Page 54 1 under advisement for two weeks because it's only -- we 2 only need four weeks if we discover additional parties 3 that need to be noticed We need four weeks if we 4 discover that because there wouldn't be time to notify 5 them within two weeks 6 FELDEWERT Okay Then let's at least MR 7 accomplish a list of parties Mr Schultz thinks have title that didn't receive notice 8 9 EXAMINER BROOKS Okay Schultz, can Mr you provide us with the names, either now or when you go 10 11 back to your office, with the names of the people that 12 you have said you think own interest in this unit and 13 are not included on BC's Exhibit 3 or whatever it is 14What exhibit is it? 15 EXAMINER GOETZE Exhibit 4 16 EXAMINER BROOKS BC's Exhibit 4 17 THE WITNESS Yes In fact, I've already prepared a comparison between what I think is owner and 18 what BC's title opinion shows So that should be real 19 easy to get you those names 20 FELDEWERT) Do you have that here today? 21 0 (BY MR 22 Α Yes, I do 23 Can you get that for us? Q 24 А I think we gave one to BC already 25 Have you done an examination of the difference Q

Page 55 of your list and Exhibit Number 4? 1 2 I haven't seen Exhibit 4 until just now А No 3 MR BRUCE I can give you that list, 4 Examiner Mr FELDEWERT) All right So you can't 5 (BY MR 0 testify here today that there are people on your list 6 that are not on Exhibit Number 4? 7 Are you saying I can't? 8 Α 9 0 Yeah I can 10 Α No 11 Can you identify the individuals on your 0 Okay list that are not on Exhibit Number 4? 12 13 Α Yes 14 Ο That's what I'm asking If I could use my list, I probably can 15 Α Ι won't have a chance to compare them, you know, make sure 16 I don't duplicate or something like that 17 Well, maybe we should EXAMINER BROOKS 18 19 take a recess for this purpose because this list is very long, and comparing long lists is sometimes a tedious 20 21 It can be done -- it's not a process that process takes days, but the process may take 30 minutes or so 22 23 Well, I would like to have MR FELDEWERT an opportunity to understand who he thinks owns an 24 25 interest that is not on our list, and then perhaps we

Page 56 can address those issues today, because I suspect a 1 number of them will have what the witness can testify 2 have been --3 EXAMINER BROOKS And if we can address 4 those matters today, I think it would be in the interest 5 of justice to do so 6 7 MR FELDEWERT Great Thank you EXAMINER BROOKS So let's take a 30-minute 8 9 recess EXAMINER GOETZE Let's take a 30-minute 10 11 recess 12 (Recess 9 44 a m to 10 09 a m , Mr Carr 13 not present) EXAMINER GOETZE We're back on the record 14 15 At this point Mr Bruce is the attorney offering testimony and questioning I believe you also 16 17 presented an exhibit? BRUCE Yes, that's right Although 18 MR it's not marked Primero Exhibit 1, I submitted Primero 19 20 Exhibit 1 to you REDIRECT EXAMINATION 21 22 BY MR BRUCE And, Mr Schultz, what is that exhibit? 23 Q I can't read that 24 А 25 "E-X 1 " Q

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1	A Exhibit 1 Okay
2	Q What is that exhibit?
3	A It is a comparison list between what the joint
4	interest billing debt from Primero shows and what the BC
5	title opinions show being ownership in the different
6	depths Just a comparison that I put together
7	Q And did you discuss with BC's landman some of
8	the differences between what you consider the interests
9	in the well unit and what BC's opinion shows?
10	A Yes Yes
11	Q And are you ready to testify about that to the
12	Examiner?
13	A Yes
14	Q Are there could you discuss any names that
15	you think persons who do own interest that might not
16	be a BC's list?
17	A After talking with BC, I believe that the
18	parties that I originally thought required notification,
19	they have acquired their interest subsequently to the
20	title opinion
21	EXAMINER BROOKS BC has? BC has acquired
22	their interest?
23	THE WITNESS Yes
24	EXAMINER BROOKS Okay Great
25	THE WITNESS So right now I don't see any

Page 58 other names that would probably need notification of 1 this hearing -- prior notification of this hearing 2 3 EXAMINER BROOKS Okay That satisfies me Do you have anything further, 4 Feldewert? 5 Mr FELDEWERT No, Mr Examiner 6 MR 7 EXAMINER BROOKS Okay Mr Goetze EXAMINER GOETZE At this point we are 8 missing one attorney, but I don't think Mr Carr would 9 10 have any issues You have Exhibit 1 you wish to enter? 11 12 MR BRUCE Yeah Could we submit Exhibit 1 into the record? 13 EXAMINER GOETZE And who prepared this? 14 15 (BY MR BRUCE) Did you prepare this, 0 Mr Schultz? 16 17 А I dıd 18 EXAMINER GOETZE Mr Feldewert? No objection 19 FELDEWERT MR 20 EXAMINER GOETZE Primero Exhibit 1 is entered into record 21 (Primero Operating, Inc Exhibit Number 1 22 23 is offered and admitted into evidence) EXAMINER GOETZE I have no more questions 24 25 for you

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1	You're done?
2	EXAMINER BROOKS I'm done
3	EXAMINER GOETZE Therefore, this witness
4	may stand down
5	And do you have a second witness?
6	MR BRUCE I do just very briefly, a
7	landman for Murchison Oil & Gas
8	EXAMINER BROOKS Has he been sworn?
9	EXAMINER GOETZE He's been sworn
10	ERIC BUDDENBOHN,
11	after having been previously sworn under oath, was
12	questioned and testified as follows
13	DIRECT EXAMINATION
14	BY MR BRUCE
15	Q Could you please state your name and city of
16	residence for the record?
17	A Eric Buddenbohn, Plano, Texas
18	Q Who do you work for and in what capacity?
19	A Murchison Oil & Gas, senior landman
20	Q Have you previously testified before the
21	Division?
22	A No, I have not
23	Q Could you summarize your educational and
24	employment background for the Examiners?
25	A Sure I have a bachelor's in business

Page 60 administration from Texas Tech, energy commerce degree 1 I started work -- I graduated in 2010 I worked for 2 3 Axia Land Services, Chesapeake Energy, Texaco Resources, a brief period as an independent landman, and then last 4 5 is Murchison Oil & Gas 6 And at Murchison, are you one of the land 0 7 people responsible for this area of southeast New Mexico? 8 9 Yes, sır, I am Α Are you familiar with the land matters involved 10 0 in this application? 11 12 А Yes, sır Examiner, I tender 13 MR BRUCE Mr 14 Mr Buddenbohn as an expert in petroleum land matters EXAMINER GOETZE Mr Feldewert? 15 No objection 16 MR FELDEWERT EXAMINER GOETZE He is so qualified 17 (BY MR BRUCE) Does Murchison own interest in 18 0 19 the proposed well unit? Yes, we do 20 Α Now, I've handed you what's marked Murchison 21 Q Exhibit 1 What is reflected in that? 22 What we have here is -- with the green-dashed 23 А 24 line is the lands covered by the existing joint operating agreement that includes the south half of 25

	Page 61
1	Section 25 In this joint operating agreement, in the
2	orange tracts, the designated operator is COG The
3	yellow tract, the designated operator is Murchison
4	Q So the southeast quarter what BC has
5	proposed is the southeast quarter of Section 25 and the
6	east half of Section 36 in the well unit, correct?
7	A Correct
8	Q Just in the abstract, does Murchison object to
9	a mile-and-a-half lateral?
10	A We do not
11	Q What is your main concern looking over at the
12	southwest quarter of Section 25?
13	A Our main concern is stranding the southwest
14	quarter our interest in the southwest quarter of
15	Section 25
16	Q Okay And have you had discussions with BC
17	about protecting that acreage?
18	A Yes, we have, several
19	Q And is it your understanding that BC is working
20	toward you've heard that they staked wells over in
21	the west 480 acres?
22	A Correct
23	Q And your concern is just getting that well
24	drilled in a timely fashion?
25	A That's correct

Page 62 1 And as long as that occurs, then Murchison 0 2 doesn't have any objection to the forced pooling? 3 Correct А Yes 4 Okay Now, was Exhibit 1 prepared by you or 0 5 under your supervision? 6 Yes, sır А 7 MR BRUCE Mr Examiner, I tender Exhibit -- Murchison Exhibit 1 8 9 EXAMINER GOETZE Mr Feldewert? 10 FELDEWERT No objection MR 11 EXAMINER GOETZE Murchison Exhibit Number 12 1 is so entered 13 (Murchison Oil & Gas, Inc Exhibit Number 1 is offered and admitted into evidence) 14 15 MR BRUCE And I have no further questions 16 for the witness 17 MR FELDEWERT I have no questions Mr Brooks? 18 EXAMINER GOETZE 19 EXAMINER BROOKS Well, I have no questions 20 for the witness I guess I'm not sure where Mr Bruce is 21 22 going with this Well, I think if you looked at 23 BRUCE MR the pre-hearing statement, Murchison was objecting --24 25 originally objecting to the application because it

Page 63 didn't want its southwest quarter of Section 25 acreage 1 2 stranded 3 EXAMINER BROOKS Now you're withdrawing 4 that objection? BRUCE So long as BC moves forward --5 MR 6 Mr Gianfala had said BC is moving forward in drilling that 480 acres Provided that happens --7 EXAMINER BROOKS But we don't have the 8 9 power to issue additional orders We understand that 10 MR BRUCE 11 EXAMINER BROOKS We're prepared for --12 MR BRUCE Which is why we entered our appearance, to preserve our right We wanted you to 13 know what the situation was 14 15 EXAMINER BROOKS Okay Thank you EXAMINER GOETZE Very well I have no 16 17 questions for this witness And with that, Mr Feldewert? 18 FELDEWERT We ask this case be taken 19 MR under advisement 20 21 EXAMINER GOETZE And since notification seems to have been satisfied, we will go ahead and take 22 23 this case under advisement y or her that the 体合われ Thank you very much, 24 1 if the o 10 16 a m (Case Number 15594 concludes, 25 -02/0Z/20

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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 A
20	Marthankin
21	MARY C HANKINS, CCR
22	Certified Court Reporter
23	New Mexico CCR No 20 Date of CCR Expiration 12/31/2017
24	Paul Baca Professional Court Reporters
25	

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