

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:

ORIGINAL

APPLICATION OF KC RESOURCES, INC., FOR  
APPROVAL OF A PRESSURE MAINTENANCE PROJECT  
IN EDDY COUNTY, NEW MEXICO

Case 14907

REPORTER'S TRANSCRIPT OF PROCEEDINGS

EXAMINER HEARING

BEFORE: DAVID K. BROOKS, Presiding Examiner  
WILLIAM V. JONES, Technical Examiner

December 13, 2012

Santa Fe, New Mexico

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This matter came on for hearing before the  
New Mexico Oil Conservation Division, DAVID K. BROOKS,  
Presiding Examiner, and WILLIAM V. JONES, Technical  
Examiner, on Thursday, December 13, 2012, at the New  
Mexico Energy, Minerals and Natural Resources Department,  
1220 South St. Francis Drive, Room 102, Santa Fe, New  
Mexico.

REPORTED BY: Jacqueline R. Lujan, CCR #91  
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## A P P E A R A N C E S

FOR THE APPLICANT:

PADILLA LAW FIRM, P.A.  
ERNEST L. PADILLA, ESQ.  
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1 EXAMINER BROOKS: Okay. At this time we  
2 call Case Number 14907, application of KC Resources,  
3 Inc., for approval of a pressure maintenance project in  
4 Eddy County, New Mexico. Call for appearances.

5 MR. PADILLA: Mr. Examiner, Ernest L.  
6 Padilla, of Santa Fe, New Mexico, for the applicant. I  
7 have one witness to be sworn.

8 EXAMINER BROOKS: Any other appearances?  
9 Very good. Will the witness state your name,  
10 please?

11 MR. MAXEY: John Maxey.

12 EXAMINER BROOKS: Please swear in the  
13 witness.

14 JOHN MAXEY

15 Having been first duly sworn, testified as follows:

16 DIRECT EXAMINATION

17 BY MR. PADILLA:

18 Q. Mr. Maxey, for the record, would you please  
19 state your name?

20 A. John Maxey.

21 Q. And you live in Roswell?

22 A. Yes.

23 Q. And what is your connection with the applicant  
24 here today?

25 A. I'm a consulting petroleum engineer, and

1 they've asked me to review this application for pressure  
2 maintenance in their field and present testimony at the  
3 hearing.

4 Q. Have you prepared certain exhibits for  
5 introduction today in connection with this hearing?

6 A. Yes, I have.

7 Q. Mr. Maxey, have your credentials as a  
8 petroleum engineer been accepted by the Oil Conservation  
9 Division and are a matter of record?

10 A. Yes, they have.

11 MR. PADILLA: Mr. Examiner, we tender  
12 Mr. Maxey as a petroleum engineer.

13 EXAMINER BROOKS: He is so qualified.

14 Q. (By Mr. Padilla) Mr. Maxey, let's have you  
15 tell the Examiner briefly what the purpose of this  
16 hearing is.

17 A. This is an application for pressure  
18 maintenance for KC Resources in their Atoka Field on  
19 their Jones D lease. They would like to inject water in  
20 the downdip portion of the reservoir.

21 Q. Is this pressure maintenance -- does that  
22 involve injection of water from the producing formation?

23 A. Yes. They would like to re-inject on-lease  
24 water that's being produced right now.

25 Q. Let's turn to Exhibit 1 and have you tell the

1 Examiner what that is.

2 A. Exhibit 1 is the C-108 application for  
3 authorization to inject. It includes, on page 3, a  
4 two-mile radius circle, just to show the leases within a  
5 two-mile radius of the applicant well.

6 The next page is the half-mile radius around  
7 the applicant well, showing in yellow the KC Resources  
8 acreage within that area of review. Then there are two  
9 plugged wells you'll see schematics on. The remaining  
10 wells are producing. They're in tabular form.

11 There is one well there that was not required.  
12 I put it in. It was an application for a horizontal well  
13 that Devon had made that hadn't been drilled. And then  
14 the remaining portion is answering the questions on the  
15 application page and the injection well schematic.

16 Q. Let's go through each of those wells, and  
17 briefly tell us what -- first, for the injection well,  
18 and where the plugs and the injection interval is going  
19 to be.

20 A. Okay. The injection interval is in the San  
21 Andres formation, approximately 1,750 feet to 1,900 feet.  
22 Going through each one of those schematics, the first two  
23 wells have been plugged in a way that isolates the San  
24 Andres formation from any communication to other zones.

25 The remaining wells have been cemented

1 adequately, most every one of them cemented to the  
2 surface on the production string, even. So the San  
3 Andres is very well isolated for injection.

4 Q. In general, what kind of production do you see  
5 here?

6 A. The lease was originally drilled up in the  
7 late '60s. They've had a couple of wells that they  
8 drilled just recently this year. One of them has a  
9 couple of months of production. The other one has no  
10 history yet. It's in the process of completing.

11 And this reservoir is in an advanced stage of  
12 depletion. And in one of the exhibits I'll show you --  
13 you'll see, from the GOR, it certainly looks like  
14 solution gas drive is the primary mechanism. There may  
15 be some help from a little bit of a water drive or  
16 aquifer drive.

17 Q. What kind of injection rates are intended for  
18 the well?

19 A. The intent is to initiate injection with 80  
20 barrels of water a day, maximum of 300 barrels a day.

21 Q. And what kind of pressures?

22 A. Pressures will be no higher than a .2 psi per  
23 foot.

24 Q. So in terms of water compatibility --

25 A. No issues. We're re-injecting produced water

1 from the lease.

2 Q. Let's go to Exhibit 2 and have you tell us  
3 what that is.

4 A. That's just a locator map to familiarize you  
5 with where we're located. The Atoka Field is just updip  
6 from the Abo shelf margin. We're in the northern part of  
7 Eddy County. You can see the City of Carlsbad.

8 One thing that's significant is we're  
9 definitely well north of the Capitan Reef trend.

10 Q. Why is that significant?

11 A. The Capitan Reef is a very important fresh  
12 water source, so we're well north of that. It's not a  
13 concern in this particular application.

14 Q. And Exhibit 3?

15 A. Exhibit 3 is a type curve in that area of --  
16 within the area of review, and I've got a cross-section a  
17 little later that's scaled down to the producing zone.  
18 So I wanted to give you a type curve so you could see  
19 that basically this is a very thick carbonate section.

20 The correlative pay to the actual injection  
21 well is in red. It's about 150-feet thick. And the  
22 intervals within all the producing wells is selectively  
23 perforated, just perforating some of the more porous  
24 intervals. In the zone itself, water saturations vary  
25 quite a bit across the entire interval. They're hitting

1 lenses of oil production within that 150 foot.

2 Q. Okay. Exhibit 4?

3 A. Exhibit 4 is the area of review. And what  
4 I've done, I've gathered all the logs I could in the  
5 area. I've got three wells that I couldn't get logs on.

6 As you can imagine, most of this production is  
7 older. So basically, I had a lot of old neutron count  
8 logs, which really aren't reliable for any type of  
9 quantitative log analysis. I did have a couple of newer  
10 logs that I utilized for some water saturations later.

11 This is a structure map on top of the San  
12 Andres porosity or just above the top of the San Andres  
13 porosity on a marker that I had located or identified.  
14 You'll see quite a bit of dip in this area, approximately  
15 150 to maybe 200 feet per mile from northwest to  
16 southeast.

17 The highest producing well in the structure is  
18 the Jones D Number 1. You'll see it on the far northeast  
19 part of the area of review. The injection well, the  
20 proposed injection well, is in the center of the radius,  
21 the D5. And to the far southeast is a control well that  
22 I had. It's a dry hole. You can see that the subsurface  
23 depth of that was plus 1,457 feet. So within the area of  
24 review, we go from plus 1,671 to plus 1,457, so there's  
25 quite a bit of structural change.



1           Also, the red line, A to A prime, is a  
2   three-well cross-section that will be the next exhibit.

3           Q.     What are the wells shown in red?

4           A.     The wells shown in red are control points that  
5   actually penetrated the San Andres and are not producing.  
6   The green wells are producing.

7           I might add at this time that the wells to the  
8   northeast in the area of review, those four wells, the  
9   B6, B7, B5 and B9, are wells operated by Lime Rock  
10   Resources. The remaining green wells are wells operated  
11   and under the control of KC Resources.

12          Q.     How about Exhibit Number 5?

13          A.     Exhibit 5 is a cross-section that I described  
14   off of the previous map. The Jones D Number 5 is in the  
15   center, and the Kaiser B7 is to the northeast. It's a  
16   Lime Rock Resources well. The Higgins Trust was the far  
17   northwest, which is not producing from the San Andres.

18                 This is hung on stratigraphic equivalent.  
19   This is not a structural cross-section. I wanted to give  
20   you an idea of a close-up of the section. You'll see  
21   that the entire perforated interval on the injection well  
22   is in blue, and it is selectively perforated. There's  
23   quite a few various perforations in there, approximately  
24   50 holes in that entire interval.

25                 All these wells are acidized and then frack

1 stimulated with anywhere from 150- to 220,000 pounds of  
2 sand. So that entire interval is probably communicating.

3 Q. Are you ready for Exhibit 6?

4 A. Yeah.

5 Q. Okay.

6 A. Exhibit 6, it's kind of a busy exhibit. And  
7 really, it's the key to the proposed injection in the D5.  
8 I'll start with the -- basically what this is the same  
9 map you saw earlier, the structure map. I've left the  
10 structural contours on here.

11 But I've gone in and given you some  
12 description on some of the offset wells. Now, to the  
13 northwest, the blue box around the B6 and the B7, that's  
14 the Lime Rock wells. Those are the two lowest producing  
15 wells on the structure, and they have the lowest,  
16 structurally speaking; and they have the lowest -- excuse  
17 me, the highest water cut. This is basically an oil cut  
18 map. And so 8 and 9 percent oil cut is what you see on  
19 those Lime Rock wells.

20 The proposed injection well is about 30 feet  
21 updip and has about a 15 percent oil cut. If you move up  
22 structure, you go from 15 to 16 to 31 percent up on the  
23 very top of the structure. That's what I wanted to point  
24 out with the blue box to the northeast. Those are the  
25 two lowest wells with the highest water cuts.

1           As you move around the circle clockwise,  
2   you'll notice the next box on the south side of the area  
3   of review penetrated the San Andres. No completion  
4   attempt on those two red wells.

5           The northernmost was a producer from a deeper  
6   horizon, around 9,000 feet. They plugged back. They  
7   tried the Wolfcamp and also made another the attempt to  
8   approximately 6,000 feet, and eventually that well was  
9   plugged. There was no attempt in the San Andres.

10          The well to the south was a clean, dry hole,  
11   no casing run. There was no San Andres completion  
12   attempt in that particular well, either.

13          Now, if you move around to the southwest  
14   corner of the area of review, there's another blue box  
15   that describes another red dot, red well. That well is a  
16   producing well out of the Yeso, which is around 2,800  
17   feet to just over 3,000 feet. There was no San Andres  
18   completion attempt in this well, either.

19          This is a Lime Rock Resources well. They  
20   could have completed the San Andres, as they did to the  
21   northeast. They can commingle those zones. But they did  
22   not complete in the San Andres.

23          If you move all the way around to the  
24   northwest part of the circle and look at that box --

25                 EXAMINER JONES: I'm sorry, John. That

1 last box you were talking about, where is that located?

2 THE WITNESS: To the southwest, down here.

3 EXAMINER JONES: Okay. That one -- say  
4 again. That one could have been completed, but --

5 THE WITNESS: It's been completed in the  
6 Yeso, and they did not make an attempt in the San Andres.

7 EXAMINER JONES: Like Paddock or  
8 something?

9 THE WITNESS: In the northeast part, up  
10 here, they did complete Yeso and San Andres. They  
11 commingled, because you can do that in this field.

12 So what I'm implying there is you've got those  
13 three red dots, no completion attempt was made in the San  
14 Andres, okay?

15 So if you move on around to the northwest  
16 side, there's a box in the far northwest corner. I did  
17 have good logs on -- where the arrows are drawn to those  
18 two wells, I had more modern logs. I calculated some  
19 water saturations on those. I compared them to the B7  
20 lease up in the northeast that's an actual San Andres  
21 producer. The lowest well on the structure, I looked at  
22 that log and calculated water saturations, compared it to  
23 these two red dots. And the two red dots, their average  
24 water saturation was 30 percent higher than the lowest  
25 well, its highest water cut in the San Andres.

1           So I think there's a very strong implication  
2 with this information that just to the southeast, on  
3 structure, based on this structure map, just to the  
4 southeast of the Number 5, there is an oil/water -- you  
5 can call it a contact, but I think what this map  
6 illustrates in this tight formation, you have a  
7 transition. You're going from high water cut to low  
8 water cut to a high percent water further downdip.

9           Q.     (By Mr. Padilla) What does that mean in terms  
10 of the effect of the injection?

11          A.     So they would like to inject -- convert the  
12 D5, which is now uneconomic to produce. It's making  
13 about one barrel a day, barely. They would like to  
14 convert the D5 and inject at this point in the reservoir.

15                 All their producing wells are -- all the  
16 producing wells in the -- virtually all the wells are  
17 updip from this point, other than the two to the  
18 northeast that are downdip. They'll be injecting at a  
19 point in the reservoir that's very close to the oil/water  
20 contact. So they would like to inject at this point,  
21 attempt to drive somewhat upward, and they'll lose some  
22 water to the aquifer down to the southeast.

23          Q.     Okay. Exhibit 7?

24          A.     Exhibit 7 is a plot of production on the Jones  
25 D lease, total production. That's the KC Resources

1 wells, six producing wells. Actually, six wells, and  
2 there's four producing on the lease right now.

3 One thing I wanted you to notice is the GOR.  
4 Initially the first -- this is monthly data, and it's  
5 back to '69. This is when the production started with  
6 the first well.

7 The first GOR point is just over 700 standard  
8 cubic feet per barrel of oil, increasing GOR to 3,400 and  
9 then declining. It looks very much like solution gas  
10 drive. You will notice the water cut did increase.  
11 That's the top curve I have labeled, the very top curve  
12 on that chart, from approximately 70 percent to 90  
13 percent over time. So there is mobile water. It could  
14 be moving up from -- you know, there could be some  
15 movement up from the aquifer, but I'm sure there's plenty  
16 of water within this reservoir that moves, too.

17 So basically solution gas drive, you  
18 produce -- if you look in the box in the upper right,  
19 you've got a cumulative oil production of 175,000 barrels  
20 of oil, 45,000 barrels of oil remaining on primary, and  
21 that's projected to two barrels of oil a day on this  
22 lease. And that's optimistic, because the charges would  
23 really make that uneconomic at this point.

24 Cumulative water production has been 688,000  
25 barrels of water. So you've had more like 900,000

1 barrels of total fluid removed from the reservoir from  
2 these particular wells, combined with 318 million cubic  
3 feet of gas. So you have a huge voidage in this  
4 reservoir.

5 So they would like to take this water,  
6 approximately 80 barrels of water a day that's being  
7 produced right now, and start re-injecting in this  
8 downdip play and look for any response in the offsets.

9 Q. Anything else on Number 7?

10 A. No.

11 Q. Would approval of this application be, in your  
12 opinion, in the best interest of conservation of oil and  
13 gas and protective of correlative rights?

14 A. Yes. I believe that injection in the  
15 reservoir at this time in the downdip limit of the  
16 reservoir would prevent waste and would protect -- there  
17 would be no impairment of correlative rights.

18 I might add that the client has talked to Lime  
19 Rock Resources, and they have no issues with the  
20 application, as long as there's not any kind of an  
21 overpressured situation developing.

22 MR. PADILLA: Mr. Examiner, Exhibits 8 and  
23 9 -- well, let me talk about Exhibit 8. It is an  
24 affidavit of James Spillane, who is in charge of all  
25 phases of exploration activities for KC Resources. He's

1     been a landman for 29 years.

2             The affidavit states that the only offsetting  
3     owner and operator is Lime Rock Resources. The surface  
4     owners are Wade and Virginia Starr, who have, through  
5     execution of an oil and gas lease, consented to this type  
6     of operation on the lease.

7             Number 9 is my Affidavit of Service. And I'll  
8     direct your attention to some emails that I had with Lime  
9     Rock some time back in July of this year. At that time,  
10    I was doing quite a bit of work with Lime Rock, and I'm  
11    still doing some work for Lime Rock, and I had to make  
12    sure that I didn't have a conflict with this application  
13    in representing KC Resources. And they essentially have  
14    -- in that series of emails, they have told me that they  
15    didn't have any problem with it, as long as it was not an  
16    overpressured situation where they would increase beyond  
17    the testimony.

18            EXAMINER BROOKS: Lime Rock had notice;  
19    right?

20            MR. PADILLA: Yes, they have notice. Not  
21    only in my series of emails with them in July, but again  
22    on October 23rd, I did send them Certified Return.

23            EXAMINER BROOKS: Yeah, I thought I saw  
24    that.

25            Are you offering the exhibits in?



1 MR. PADILLA: I'll offer Exhibits 1  
2 through 9.

3 EXAMINER BROOKS: One through 9 are  
4 admitted.

5 Do you pass the witness?

6 (Exhibits 1 through 9 were admitted.)

7 MR. PADILLA: Yes.

8 EXAMINER BROOKS: My question is probably  
9 more for you than the witness. I'm not at all confident  
10 at this point of your theory that you don't have to give  
11 the surface owner notices under our rules merely because  
12 you have the right to conduct this type of operation  
13 under the terms of the lease.

14 There was some kind of case that sort of  
15 touched on that issue out of the Court of Appeals that I  
16 remember reading four or five years ago, but I don't  
17 remember the details of the case.

18 But it looks to me like one is an issue of  
19 consent or land ownership rights, and the other is a  
20 regulatory issue, and I'm not sure that one controls the  
21 other. Do you want to address that?

22 MR. PADILLA: Mr. Examiner, I caught this  
23 problem I think the day before yesterday. And we  
24 haven't -- my client hasn't obtained a formal consent.  
25 And I would be happy to supplement the record with some

1 kind of consent on this issue.

2 EXAMINER BROOKS: Okay. All we would need  
3 from a regulatory standpoint would be a waiver of notice.

4 Mr. Jones?

5 EXAMINATION

6 BY EXAMINER JONES:

7 Q. Well, Mr. Maxey, the lease itself, I think the  
8 first exhibit, does it show the --

9 A. Yes. That's the one that has the yellow  
10 square.

11 Q. Okay. And that's got a tract of land  
12 identified. Are all owners identical in that tract of  
13 land?

14 What I mean is, does that tract of land -- is  
15 that considered one common ownership?

16 A. You know, I could not answer that question. I  
17 know I discussed with the landman that they owned and  
18 controlled those four quarter/quarter sections. And he  
19 sent me a map, and I went back to him with the  
20 descriptions. And he said, "Your descriptions are  
21 accurate." I did not ask him about the ownership.

22 Q. And maybe we could get that later, also, along  
23 with -- basically, if you draw your half-mile circle  
24 around that well, every commonly-owned tract of land  
25 should be identified with the owners of those tracts and

1 the San Andres depths. And if there's no -- there should  
2 be a lessee. If you can find the lessees, provide them  
3 notice. And if there's no lessee, of course, the mineral  
4 owners.

5 MR. PADILLA: Mr. Examiner, Mr. Jones, my  
6 understanding is that Devon Energy used to own all this  
7 acreage at one time, and KC Resources and Lime Rock, at  
8 some point or another, acquired all the interests of  
9 Devon.

10 EXAMINER JONES: So Lime Rock and KC own  
11 everything within the circle?

12 MR. PADILLA: That's my understanding.

13 EXAMINER JONES: They control those  
14 minerals?

15 MR. PADILLA: Yes.

16 EXAMINER JONES: I think we would still  
17 need to know about --

18 Q. (By Examiner Jones) Because your application  
19 is to form a lease waterflood; is that correct?

20 A. It's a pressure maintenance application.

21 Q. You want it to be a pressure maintenance?

22 A. Yes.

23 Q. Okay. You have said that it's in an advanced  
24 state of depletion, the production in that area. But  
25 you're just re-injecting the water from that tract of

1 land in yellow?

2 A. Yes.

3 Q. And you want it to be limited to only waters  
4 coming from those tracts of land?

5 A. Yes.

6 Q. Because that's Lime Rock's limitation, also?

7 A. Their limitation was on no higher pressure or  
8 rate than is in the application. They did not have a  
9 limitation on which waters.

10 Q. And 300 was your maximum rate?

11 A. 200 was the maximum rate. I said 300 earlier.  
12 That's a different application. It's 200, as stated in  
13 the application.

14 There's two wells, the newer wells they  
15 drilled this year, so they're going to be bringing those  
16 into the injection well also.

17 Q. That plugged well that's in red in Exhibit 6  
18 on the southeast, the furthest southeast plugged well on  
19 Exhibit 6, I think that well is the one that doesn't have  
20 plugs set really to confine the San Andres, unless you  
21 can tell me what the bottom of the San Andres is. Was  
22 that the first plugged well on your C-108 application?

23 A. Yes, it is.

24 Q. The Betty Sue Number 1?

25 A. Yes.

1 Q. Okay. That one has a plug at 13 -- or is the  
2 bottom of that plug 1,950 on the top plug?

3 A. The bottom of that plug is 1,330.

4 Q. 1,330 up to 950?

5 A. Yes. It's across the shoe.

6 Q. And at what point does the Glorieta start  
7 below in this well?

8 A. I don't have the top on the Glorieta.

9 Q. But they set a plug at 3,940, so --

10 A. 3,942.

11 Q. -- they're probably recovering the top of the  
12 Yeso?

13 A. Right. It's very close to the top of the  
14 Yeso.

15 Q. And there's no pipe in that well, so that's  
16 open. But is it correct that the water saturation in  
17 that well was so high that they didn't try the San  
18 Andres?

19 A. That's what I'm implying. The water  
20 saturation calculations are 30 percent higher than the  
21 B7, which is the lowest producer structurally with the  
22 highest water cut.

23 Q. Okay. So --

24 A. So the total data down there is where I'm  
25 strongly implying that it's wetter, very, very high

1 water.

2 Q. So that well is not in danger of not confining  
3 the injection, because the injection is not going to go  
4 to that well because the water saturation is so high  
5 there?

6 A. Right.

7 Q. And the pore pressure should be higher?

8 A. Yes. It's way downdip. The pore pressure  
9 should be higher. And with the depletion you've got to  
10 the northwest and the northeast, I don't see the water  
11 migrating.

12 Q. The water should move toward the points of --

13 A. Where you've got the pressure sync. And like  
14 I said, you've got 900,000 barrels of voidage plus gas.

15 Q. So that well should not be a problem, the way  
16 it's completed, the way it's plugged?

17 A. Right.

18 Q. Now, if you look at the San Andres, you must  
19 have looked over this interval in the San Andres for  
20 water saturations? Is it --

21 A. I used, basically, the three good logs I had.  
22 The rest of them are old neutron counts, basically, and  
23 there were no -- some had some micrologs, but I didn't  
24 even attempt calculations on those. They're just neutron  
25 count logs. I don't have any confidence in obtaining

1     porosity from those.

2             Q.     But --

3             A.     Maybe a sidewall, but they weren't sidewall  
4     neutrons. They were just neutron counts.

5             Q.     So you have to put your logarithmic scale on  
6     there and hope for the best?

7             A.     Yes, sir.

8             Q.     But the water saturation goes up in the San  
9     Andres as you go down; is that correct?

10            A.     Yes.

11            Q.     For this operator, are they in compliance with  
12     Rule 5.9 as far as inactive wells and financial  
13     assurance?

14            A.     As far as I know. I did not ask the question.

15                   MR. PADILLA: I can answer that, Mr.

16     Jones. We recently -- or KC Resources entered into a  
17     compliance order with the OCD about a month ago.

18                   We have, with the State Land Office, recently  
19     settled a lease issue where there were four wells, and  
20     those four wells created a problem. We then entered into  
21     an agreed order, a compliance order, and so they're fine  
22     at this point.

23                   And we're going to be fine with the Land  
24     Office also. It was a Catch 22 between the OCD and the  
25     State Land Office, the State Land Office saying you need

1 to comply with the OCD before we can settle, and vice  
2 versa. So we finally got it done.

3 EXAMINER JONES: Okay. So we should be  
4 able to check and see --

5 MR. PADILLA: I can get you a copy of that  
6 order.

7 EXAMINER JONES: To Mr. Brooks?

8 MR. PADILLA: Yes.

9 EXAMINER JONES: I don't have any more  
10 questions.

11 EXAMINER BROOKS: Okay. Mr. Jones'  
12 question raised on this issue of whether or not the  
13 appropriate notices have been given within the area of  
14 review, of course, I was looking at your affidavit. The  
15 affidavit says that KC Resources is the only --

16 MR. PADILLA: Exhibit 8.

17 EXAMINER BROOKS: That's what I'm looking  
18 for. Here it is.

19 EXAMINATION

20 BY EXAMINER BROOKS:

21 Q. The only offsetting owner or operator, other  
22 than the applicant, in the area of interest is Lime Rock.

23 Now, of course, the rule on injection wells  
24 requires that all tracts within the area of review -- and  
25 because the words, "area of interest," is different from,



1 "area of review," I don't know whether or not it means  
2 the same thing. From your responses to Mr. Jones, I  
3 understand you're basing that statement on your  
4 conversations with the landman.

5 A. My area of review that I'm referring to is a  
6 half-mile radius.

7 Q. When you say, "the area of interest," you mean  
8 the half-mile area of review?

9 A. Yes. I may use those interchangeably.

10 Q. That includes the tracts in the adjoining  
11 section down to the south, as well as the ones in  
12 Sections 13 and 18 here?

13 A. Yes. Because the half-mile radius circle does  
14 just barely cross over into it.

15 Q. Right. That's what I was raising. And those  
16 tracts would be brought in.

17 And what you're telling us then is that either  
18 Lime Rock or KC is the owner of 100 percent of the  
19 working interest in all those tracts. But we have some  
20 other names on here on this map.

21 A. I cannot tell you if they're 100 percent  
22 working interest owners.

23 EXAMINER BROOKS: Okay. Well, we need to  
24 get that clarified. We're going to have to continue this  
25 case anyway to get notice to the surface owner or a

1 waiver of notice.

2 We will also need to get clarified that those  
3 tracts of which KC is the operator, that they own 100  
4 percent of the working interest or that they've given  
5 notice to other people who own working interests in those  
6 tracts where Lime Rock is the operator and they actually  
7 have wells. But that's only one tract. There, of  
8 course, you don't have to give notice to other working  
9 interest owners because you have another operator.

10 Okay. If there's nothing further, then we  
11 will continue Case Number 14907 until January 24th, 2013,  
12 in order to get clarification on these notice issues.

13 MR. PADILLA: Okay.

14 \* \* \*

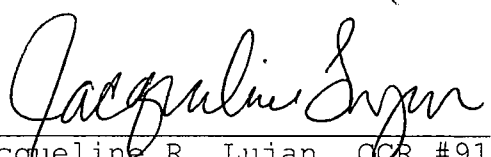
15  
16  
17  
18  
19 I do hereby certify that the foregoing is  
20 a correct and true record of the proceedings in  
21 the above hearing of Case No. 14907  
22 heard by me on 12-13-12  
23 Daniel K. Borch Examiner  
24 Oil Conservation Division  
25

## REPORTER'S CERTIFICATE

I, JACQUELINE R. LUJAN, New Mexico CCR #91, DO  
HEREBY CERTIFY that on December 13, 2012, proceedings in  
the above captioned case were taken before me and that I  
did report in stenographic shorthand the proceedings set  
forth herein, and the foregoing pages are a true and  
correct transcription to the best of my ability.

I FURTHER CERTIFY that I am neither employed by  
nor related to nor contracted with any of the parties or  
attorneys in this case and that I have no interest  
whatsoever in the final disposition of this case in any  
court.

WITNESS MY HAND this 24th day of December,  
2012.

  
Jacqueline R. Lujan, CCR #91  
Expires: 12/31/2012