

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

**ORIGINAL**

IN THE MATTER OF THE HEARING CALLED  
BY THE OIL CONSERVATION DIVISION FOR  
THE PURPOSE OF CONSIDERING:

CASE NO. 14271

APPLICATION OF VANGUARD PERMIAN, LLC  
FOR A NONSTANDARD GAS SPACING AND  
PRORATION UNIT AND AN UNORTHODOX  
GAS WELL LOCATION, LEA COUNTY,  
NEW MEXICO.

REPORTER'S TRANSCRIPT OF PROCEEDINGS

EXAMINER HEARING

April 16, 2009  
Santa Fe, New Mexico

BEFORE: DAVID BROOKS: Hearing Examiner  
TERRY WARNELL: Technical Advisor  
RICHARD EZEANYIM: Technical Advisor

2009 MAY 1 PM 1 06  
RECEIVED

This matter came for hearing before the New Mexico  
Oil Conservation Division, David Brooks Hearing Examiner,  
on April 16, 2009 at the New Mexico Energy, Minerals and  
Natural Resources Department, 1220 South St. Francis  
Drive, Room 102, Santa Fe, New Mexico.

REPORTED BY: Peggy A. Sedillo, NM CCR NO. 88  
Paul Baca Court Reporters  
500 Fourth Street, NW, Suite 105  
Albuquerque, NM 87102

I N D E X

1		
2		Page
3	APPLICANT'S WITNESS:	
4	DOUGLAS BRITT PENCE	
	Direct Examination by Mr. Bruce	4
5	Cross-Examination by Mr. Bliss	22
	Redirect Examination by Mr. Bruce	35
6		
7	TECHSYS RESOURCES WITNESS:	
8	BRAD BLISS	
	Statement of Testimony	37
9	Cross-Examination by Mr. Bruce	53
10	APPLICANT'S EXHIBITS:	
11	Exhibit 1	6
	Exhibit 2	21
12		
	TECHSYS RESOURCES, LLC EXHIBITS:	
13	Exhibit A	53
14	Exhibit B	53
	Exhibit C	53
15	Exhibit D	53
	Exhibit E	53
16	Exhibit F	53
17	COURT REPORTER'S CERTIFICATE	72
18		
	A P P E A R A N C E S	
19		
	FOR THE APPLICANT:	JAMES BRUCE, ESQ.
20		Attorney at Law
		P. O. Box 1056
21		Santa Fe, NM 87504
	FOR TECHSYS	
22	RESOURCES, LLC:	BRAD BLISS, PRO SE
		Techsys Resources, LLC
23		Houston, TX 77024
24		
25		

1 HEARING EXAMINER: We call Case No. 14271, the  
2 Application of Vanguard Permian, LLC for a nonstandard gas  
3 spacing and proration unit and an unorthodox gas well  
4 location, Lea County, New Mexico.

5 Call for appearances.

6 MR. BRUCE: Mr. Examiner, Jim Bruce of Santa Fe  
7 representing the applicant. I have one witness.

8 MR. BLISS: Brad Bliss. I'll be representing  
9 myself and my company.

10 HEARING EXAMINER: And what is the name of your  
11 company?

12 MR. BLISS: Techsys Resources, LLC of Houston,  
13 Texas.

14 HEARING EXAMINER: Okay. And that's spelled  
15 differently from the way Texas is normally, is that right?  
16 Would you spell it for the record?

17 MR. BLISS: Techsys is spelled T-e-c-h-s-y-s  
18 Resources, LLC.

19 HEARING EXAMINER: Okay. Would the witness  
20 please stand to be sworn? State your name.

21 MR. PENCE: Douglas Britt Pence.

22 HEARING EXAMINER: Okay, you may take the stand,  
23 unless Mr. Bruce has an opening statement?

24 MR. BRUCE: No, I don't.

25

1 DOUGLAS BRITT PENCE,  
2 the witness herein, after first being duly sworn  
3 upon his oath was examined and testified as follows:

4 DIRECT EXAMINATION

5 BY MR. BRUCE:

6 Q. Mr. Pence, where do you reside?

7 A. Houston, Texas.

8 Q. And who do you work for?

9 A. Vanguard Natural Resources.

10 Q. And what is the relationship between Vanguard  
11 Natural Resources and Vanguard Permian, LLC?

12 A. Vanguard Natural Resources is the sole owner of  
13 Vanguard Permian, LLC.

14 Q. And is Vanguard Permian, LLC the operator of the  
15 Vanguard Natural Resources wells?

16 A. Yes.

17 Q. Okay. Have you previously testified before the  
18 Division?

19 A. No.

20 Q. Would you please summarize your educational and  
21 employment background for the Examiner?

22 A. Okay. I'm working at Vanguard Natural Resource  
23 as Vice President of Engineering, which I -- for the last  
24 couple years. Prior to that I was working for --

25 Q. Let's start out with, where did you go to

1 college?

2 A. I graduated in 1983 from Texas A&M with a BS in  
3 Civil Engineering, and started work after graduating with  
4 the Superior Oil Company and worked for them for a year.  
5 And then Mobile bought Superior and I worked at Mobile as  
6 a production engineer, civil engineer, reservoir engineer  
7 from '85 to '91. At that time I left Mobile and went to  
8 work at Greenhill Petroleum and worked as a senior  
9 reservoir engineer.

10 Q. Did your area of responsibility at Greenhill  
11 encompass some of the areas of Lea County that we're  
12 talking about today?

13 A. Yes. At Greenhill Petroleum, my area of  
14 responsibility was the Permian Basin. Most of our  
15 production was in the Farmington/Lovington area where we  
16 operated some water floods.

17 And then in '97, Greenhill Petroleum was bought  
18 by Mesa, and at that time I went to work for Anadarko.  
19 I'd been there for ten years. I then left Anadarko two  
20 years ago to work at Vanguard Natural Resources.

21 Q. And in all of those companies, you've been  
22 employed as a production engineer, reservoir engineer, and  
23 petroleum engineer?

24 A. Yes. Most of the time in reservoir and  
25 engineering-type responsibilities and management.

1 Q. Okay. And your area of responsibility at  
2 Vanguard includes this area of southeast New Mexico?

3 A. Yes, sir.

4 Q. And are you familiar with the engineering  
5 matters related to this application?

6 A. Yes, sir.

7 MR. BRUCE: Mr. Examiner, I tender Mr. Pence as  
8 an expert petroleum engineer.

9 HEARING EXAMINER: Any objection?

10 MR. BLISS: No.

11 HEARING EXAMINER: He is so qualified.

12 Q. Mr. Pence, have you assembled a package of  
13 exhibits with respect to the application today?

14 A. Yes, sir.

15 Q. And is that marked as Exhibit 1?

16 A. Yes, sir.

17 MR. BRUCE: Mr. Examiner, although I think in  
18 some of the packages there might be some pages that are  
19 turned upside down. We have numbered the pages.

20 Q. Referring to Page 2, Mr. Pence, just briefly  
21 state what Vanguard seeks with respect to this case.

22 A. Okay, what we're seeking is the OCD's approval  
23 for a nonstandard gas spacing and proration unit in the  
24 Queen formation, Byers-Queen gas pool, comprised of the  
25 north half of the northeast quarter of Section 32,

1 Township 18, Range 38 East.

2 And an unorthodox gas well location in the Queen  
3 formation for the State A Well No. 7 located 760 feet from  
4 the north line and 500 feet from the east line of  
5 Section 32.

6 MR. BRUCE: And Mr. Examiner, the Byers-Queen  
7 gas pool is an old gas pool that was just developed on the  
8 Division's statewide 460 acres spacing.

9 Q. Please turn to Page 3 and discuss the contents  
10 for the Examiner.

11 A. Okay. These are the two key wells that we'll  
12 probably be talking about for most of today, in essence.  
13 The State A No. 7 is the well that we operate at the  
14 location as described before also shown on the little map  
15 to the right where it has 760 feet from the north line and  
16 500 feet from the east line of Section 32 that our --  
17 Vanguard's well perforating the Queen and the perforation  
18 as shown on the exhibit.

19 We frac'ed the well with 60,000 pounds of grade  
20 sand. And so that frac job was performed in June of 2008.  
21 The well that Techsys operates is shown on the map, and  
22 it's 330 feet from our acreage shown on the map.

23 And I wanted to point out, too, that the  
24 distance between the No. 4 and the No. 7 is approximately  
25 3,570 feet. It's almost -- roughly about a half a mile.

1 And it's perforated in the Queen.

2 And No. 4 is a relatively old well. 1947, I  
3 believe, is when it was drilled. And a lot of history  
4 there.

5 There's a lot of commingling between zones, so  
6 I'm not sure exactly how much production over the entire  
7 time has come out of the Queen. But what we do know from  
8 the records is as of May of 2000, it was reperforated and  
9 completed in the Queen and stimulated.

10 What I'm going to talk about through this packet  
11 for that well is just saying from that point forward, how  
12 much gas is coming out of the Queen from that well.

13 MR. BRUCE: Before you go on Mr. Pence,  
14 Mr. Examiner, I would ask the Division to take  
15 administrative notice of this well file. I only brought  
16 one copy with me, but if you look at the well file, there  
17 is an acreage plat from the Division's well file from 1953  
18 showing that it was completed in the Byers-Queen pool.

19 Now, as Mr. Pence said, he's only been looking  
20 at production since 2000 or so. But I have -- apparently  
21 from the Division's file, it has produced from the Queen  
22 for quite some time.

23 HEARING EXAMINER: Any objection to taking  
24 administrative notice of the contents of the well file?

25 MR. BLISS: I have no objection.

1 HEARING EXAMINER: We will do so then.

2 Q. Now, one other item on this map, you have  
3 highlighted the north half northeast of Section 32. Is  
4 that a single State of New Mexico leased land?

5 A. Yes.

6 Q. And is Vanguard the sole owner of the operating  
7 rights in that?

8 A. Yes, we have 100 percent of the working  
9 interest.

10 Q. Now, there was acreage -- you proposed to  
11 exclude acreage from the well unit, the south half  
12 northeast quarter of Section 32. Is that a separate State  
13 of New Mexico lease?

14 A. To the best of my knowledge, there is -- State  
15 of New Mexico and Occidental is the operator for that.

16 Q. Okay, so it's a separate state lease and  
17 Occidental Petroleum is the operator of that?

18 A. Yes.

19 Q. Okay. Do you have anything else on Page 3,  
20 Mr. Pence?

21 A. No, just -- I guess some of the other operators  
22 around us we have -- Occidental is to the east of the  
23 shaded acreage, and to the north, Texland -- not  
24 Techsys -- is the operator to the north of us.

25 Q. Well, let's get into that. Texland is to the

1 north in Section 29, correct?

2 A. Yes.

3 Q. Have you received notice of a similar  
4 application to this one from Texland?

5 A. Yes, I received it roughly three weeks ago. And  
6 I noticed to complete in the Byers-Queen, offsetting our  
7 acreage in the well at an unorthodox location 330 feet  
8 from our acreage. And it's more located to the west end  
9 of our acreage, roughly about the same distance as Grimes  
10 No. 4 would be to our No. 7 well.

11 And so Vanguard has no intention of objecting to  
12 that proposal for a couple of reasons. We're going to get  
13 into details here soon.

14 First of all, Vanguard does not believe that  
15 Texland's well is going to impact our well for the same  
16 reason that we don't think that our well is going to  
17 impact Techsys' No. 4 well. They're both about the same  
18 distance.

19 And secondly, Vanguard has no intention of  
20 drilling in that westerly portion of our acreage because  
21 the Grimes No. 4 has already benefited by draining some of  
22 our acreage in that area and we don't feel that it's  
23 economical to drill in that area.

24 Q. Okay. Let's move on to Page 4 of the exhibit.  
25 What is that?

1           A.    This is a structural map and it's on the top of  
2 the Queen-Byers sand.  It's not the top of the Queen but  
3 where the sand pick that has been picked consistently for  
4 the wells that are shown here.

5           The subsea depths, which just happens to be very  
6 close to our subsea zero here, shows the well data that we  
7 used in creating this map.  And you can see that the  
8 No. 7, it shows that it's 32 feet above subsea, and the  
9 Grimes Well No. 4 is above subsea.  So our wells are  
10 essentially a little higher.

11           This reservoir is a depletion-dried reservoir,  
12 it is not a water-dried reservoir.  And so that's --  
13 that's what the conflict is shown here on the structural  
14 map.

15           Q.    Okay.  What does Page 5 reflect?

16           A.    Okay, Page 5 shows the volumetric calculations  
17 that was performed on the drainage of the State A No. 7.  
18 The assumptions are shown first with the gas gravity of  
19 .74.

20           The nitrogen content of 10.1 percent, that's  
21 relatively high, but that's what the gas analysis shows,  
22 which is -- you know, the Queen has a tendency to have  
23 some nitrogen.

24           Initial formation pressure, we're estimating it  
25 to be 1,650.  Reservoir temperature, 100 degrees

1 Fahrenheit.

2 Water saturation estimated to be 20 percent. We  
3 don't produce any water and I'm not aware of any water  
4 being produced from the Byers-Queen.

5 The pay using 8 percent crossplot porosity  
6 cutoff in our well is 34 feet. And that's based on log  
7 calculations. And average porosity of pay over that 34  
8 feet is 10.7 percent. That's based on log calculations.  
9 So those are the assumptions that were behind -- that were  
10 included in the calculation of the drainage.

11 In addition to that, we calculated the -- or  
12 Vanguard has calculated the estimated ultimate recovery  
13 for the No. 7 to be 181 million standard cubic feet. And  
14 we're estimating 75 percent recovery factor.

15 Using those assumptions, the calculated drainage  
16 is 14.5 acres. And the calculated drainage radius is 448  
17 feet. And so over on the little map to the right is an  
18 approximate drainage area of the State A No. 7. And  
19 what's illustrated is that we don't anticipate to --  
20 Vanguard doesn't anticipate to drain any gas off of our --  
21 other than what's on our lease.

22 Q. Okay, so you would have no affect on the Techsys  
23 well?

24 A. Correct.

25 Q. And you would have no affect on the offsets who

1 the well encroaches to the east?

2 A. Correct.

3 Q. And you would also have no affect on the  
4 interest owners, the State and Occidental in the south  
5 half northeast quarter?

6 A. That's right, correct.

7 Q. What is Page 6?

8 A. Page 6 is a very similar approach to calculating  
9 the volumetrics for the Grimes No. 4. The assumptions we  
10 used, Vanguard used the same gas analysis, pressure,  
11 temperature, pay, porosity values that we did on the  
12 No. 7. That's because we didn't have the data to work  
13 with.

14 The old well, you know, we just didn't have the  
15 contemporary logs to do the exact same analysis, so we  
16 just assumed the same type of parameters. The difference  
17 is going to be on the EUR.

18 The EUR for the Grimes No. 4 is 513 million  
19 standard cubic feet. And again, that's based on  
20 production from May 2000 going forward. And again, 75  
21 percent recovery factor and calculated drainage area is  
22 40.6 acres, which is 750 radius around the well.

23 And if you go over and look at the map on the  
24 right, there's an approximate drainage circle around  
25 No. 4, and you can see that they are benefiting from the

1 gas on our lease by -- they have drained off -- they are  
2 and will drain gas off of Vanguard's piece.

3 Q. And assuming there was Queen gas production  
4 before 2000, this drainage area would be larger?

5 A. That's correct.

6 Q. What is Page 7?

7 A. Okay, Page 7 is the well bore diagram of State A  
8 No. 7. And it shows that --

9 Q. Go into a little bit of the history of this well  
10 and how it was drilled and how you acquired it.

11 A. Okay. Vanguard acquired this well, among  
12 others, from Apache. We closed in January of 2008, and we  
13 took over operations in March of 2008.

14 When we took over operations, during the process  
15 of getting bonds, we had to get special bonds for  
16 temporary abandoned wells, which State A No. 7 was a  
17 temporarily abandoned well.

18 Basically, the well bore diagram, we picked it  
19 up and it looks like the exact same thing as this except  
20 it did not have the Queen perf in it. So it had a  
21 cast-iron bridge plug in it and it was temporarily  
22 abandoned.

23 During the process of talking to District 1  
24 personnel, the supervisor, he said that one of his goals  
25 was, he wanted to reduce the number of 2A wells on his

1 list. Pretty admirable goal.

2 Now, this is something that we feel like there's  
3 some opportunity to recomplete and we were encouraged to  
4 -- you know, get it done. So we proceeded to evaluate  
5 that opportunity to recomplete this well to the Queen.

6 And then there was a -- there was some  
7 miscommunication. We were outsourcing our regulatory work  
8 to a consultant in Hobbs that -- He was working not only  
9 on getting a permit for this well, but he was also working  
10 on getting a permit for three other wells we ended up  
11 drilling in the Lovington area.

12 And he thought we -- he told us that he had  
13 completed the permit process and it was approved and it  
14 was ready to recomplete this well. And so we recompleted  
15 the well in June -- early June of 2008 and began producing  
16 the well June 15, 2008.

17 And we followed up with the sundries and the  
18 completion reports in early August and we didn't receive a  
19 -- you know, we didn't receive notification that, you  
20 know, it was all finalized.

21 So we followed up in late August to find out,  
22 you know, hey, did we get all the paperwork done? And we  
23 found out, first we need a permit. So we did not have a  
24 permit.

25 And so talking to Chris Williams, the supervisor

1 of District 1, we said, "Okay, what do we do?" He said,  
2 "What you need to do is, get the permit first and then the  
3 rest can be recorded."

4 And so that's when we contacted Jim Bruce to  
5 represent us in getting a permit for producing this well  
6 and completing this well.

7 And so we contacted you, Bruce, September 2,  
8 2008, and then it was protested. He made notice. It was  
9 protested by Techsys, and there have been some delays, and  
10 so here we are today.

11 So that's kind of a chronological history of  
12 what's happened to this well.

13 Q. But the long and short is it has been produced  
14 even though you didn't have the proper permits?

15 A. That's right.

16 Q. Just as a practical matter based upon the data  
17 that you have, has anyone been harmed by the production of  
18 this well?

19 A. No. And that's illustrated in some of previous  
20 exhibits. We feel like that, you know, the production is  
21 not impacting Techsys, or anyone else for that matter, and  
22 so, you know, there should not be any interference or  
23 impact to Techsys.

24 Q. Let's move on with your exhibits. We've got  
25 remaining Pages 8 through 18. Are those essentially

1 backup data for the initial part of your Exhibit 1?

2 A. Yes. And I can highlight --

3 Q. Just very briefly.

4 A. -- so that we don't get bogged down. But in  
5 No. 8, that's just a gas analysis from the State A 7 that  
6 shows the 10 percent nitrogen and the rest.

7 Going to Page No. 9 -- actually, 9 through 13 is  
8 a copy of the State A 7 log, and this first page is just  
9 the header with the information about the State A 7 log.  
10 It's a porosity log which we used to determine pay.

11 And if you go to Page 10, it shows that the --  
12 you know, the header for the porosity log. And what we  
13 used for a cutoff was an 8 percent cutoff on the porosity  
14 crossplot, which is -- you know, crossplot of the neutron  
15 density log.

16 Moving on to Page 11, that just shows the top of  
17 the Queen pit. And going on to Page 12, you should start  
18 seeing some -- I colored up what is considered pay using  
19 that cutoff, and it also shows where the perms are. And  
20 we're including all the pay in the calculation that is  
21 highlighted in red. This well was frac'ed and the  
22 calculated frac is within what is considered pay.

23 And then No. 13 is just showing the bottom half  
24 of the log that -- it shows additional pay at the top of  
25 that log. So that's the State A 7 exhibit.

1           Page 14 is a copy of the Techsys Grimes No. 4.  
2   And it's showing a date of September 27, 1947, and it  
3   shows the perms for that log.

4           And you can see a lot of the logs don't -- That  
5   was the reason why we couldn't use the same methodology to  
6   calculate pay in the drainage calculations for the well,  
7   we just used our numbers off of our log.

8           Moving on to Page 15, that shows the production  
9   for the State A No. 7. It began producing June 15th, and  
10  it is currently producing 76 MCF a day.

11           HEARING EXAMINER: I think there's a discrepancy  
12  between the page numbers that I have and what you have,  
13  because it appears that from what I have, Pages 12 through  
14  15 are all working on the State A well, and it looks like  
15  the log from the Grimes well is on Page 16, and then the  
16  pages are 17 and 18.

17           MR. BRUCE: Mr. Examiner, if I could reclaim  
18  that and give you this.

19           THE WITNESS: Okay, Page 15.

20           HEARING EXAMINER: Page 15, okay.

21           A. It should be a production log for State A 7.  
22  And it's currently producing 76 MCF a day. It's cum'ed 33  
23  million standard cubic feet. And the calculated EUR based  
24  on the reported gas shown there is 181 million standard  
25  cubic feet.

1           And if your eyes are good enough, you can see  
2 some of the assumptions on the production plot. We're  
3 using an abandonment rate of 50 MCF a month. So you're  
4 talking about, you know, a couple MCF, really, less than 2  
5 MCF a day, which is -- with prices at where they are  
6 today, that's pretty aggressive. So the EUR may be  
7 actually a little less than what is shown here.

8           And the number of years from today, you're  
9 looking at 47 years of projection for this well. So  
10 that's fairly aggressive, but it's just showing that --  
11 you know, you could actually if -- you adjusted some  
12 parameters, you could probably come up with less EUR which  
13 would result in less drainage.

14           Moving on to Page 16, that's the production plot  
15 of the Grimes No. 4, and it is currently producing 58  
16 MCF -- as least that's what the average is for 2008.  
17 Because you can see it looks like there's some loading  
18 occurring in the well. And so they're having to blow it  
19 down periodically, is what I'm assuming.

20           But the cum since 2000 is 193 million. EUR  
21 calculated is 513 million. And I'd also like to note on  
22 this that if you look at the production in the latter part  
23 of 2008, there's no indication of any interference from  
24 the State A 7 when it was brought on production.

25           And then moving on to Page 17, this is a

1 volumetric calculation that was used for the State A 7  
2 that -- What I used to basically back into the 14.58  
3 acres. It shows on the top part all the assumptions that  
4 are used, and then on the bottom part of the table it just  
5 shows what the -- from the initial reservoir pressure down  
6 to 100 percent pressure depletion, what the D factor, the  
7 BCG, the gas in place and the volumetric unit recoveries  
8 and the volumetric recovery on the BCF.

9           And to really -- to back into that acreage  
10 number, you take your EUR, divide it by the 75 percent  
11 recovery factor to get a gas-in-place number that you're  
12 contacting, and then you would divide it by the initial  
13 BCG, which is 132.9 standard cubic foot, reservoir cubic  
14 foot shown on this table in the top row, divide it by your  
15 pay, your porosity, your gas saturation, and then also by  
16 the 43,560 to get it converted over to acres.

17           This is showing a lot more numbers than probably  
18 what is really needed, but -- The reason why I used a  
19 spreadsheet is because it calculates that BCG a lot  
20 easier. The D factor can sometimes be difficult to come  
21 up with, but this had it all built in. So this shows how  
22 the State A 7 arrived at the 14.5 acres.

23           And then on the final page, Page 18 of  
24 Exhibit 1, shows that the Grimes No. 4 calculates to 40.9  
25 acres using the same methodology.

1           Q.    Mr. Pence, do you see any harm to any offset  
2 operator or interest owner from the granting of Vanguard's  
3 application?

4           A.    No, sir.

5           Q.    Was Exhibit 1 prepared by you or under your  
6 supervision?

7           A.    Yes, sir.

8           Q.    And in your opinion, is the granting of this  
9 application in the interest of conservation and the  
10 prevention of waste?

11          A.    Yes, sir. If this well is not produced, then  
12 there will be reserves lost.

13               MR. BRUCE: Mr. Examiner, I hand you as Exhibit  
14 2 simply my notice affidavit to Techsys. A number of  
15 people were notified of the administrative application.  
16 Techsys is the only one that objected, so Techsys is the  
17 only one I notified of the application.

18               HEARING EXAMINER: Okay.

19               MR. BRUCE: The letter was returned unclaimed,  
20 but obviously, Techsys knows of the hearing.

21               HEARING EXAMINER: Yes, I believe any defect  
22 notice is waived when the party appears.

23               MR. BRUCE: I move the admission of Vanguard's  
24 Exhibits 1 and 2.

25               HEARING EXAMINER: Any objection to the

1 exhibits?

2 MR. BLISS: No, sir, no objection.

3 HEARING EXAMINER: Exhibits 1 and 2 are  
4 admitted.

5 MR. BRUCE: There is one issue before Mr. Bliss  
6 begins. Mr. Examiner, I -- you know, the only party that  
7 entered an appearance is Techsys, which is a limited  
8 liability company, and I do not believe Mr. Bliss is an  
9 attorney.

10 I think under New Mexico law, a corporation or a  
11 company, a separate entity has to be represented by an  
12 attorney. So.

13 HEARING EXAMINER: Well, that is true in a  
14 courthouse. I think we've got it fairly well established,  
15 though, that we do not apply that rule in the Oil  
16 Conservation Division despite a 1958 Attorney General  
17 opinion suggestion that we should. So I will overrule the  
18 objection. Mr. Bliss, do you wish to question the  
19 witness?

20 MR. BLISS: Yes, sir.

21 HEARING EXAMINER: You may proceed.

22 CROSS-EXAMINATION

23 BY MR. BLISS:

24 Q. Mr. Pence, reading off of the application that  
25 was filed, can you read back to the Examiner and myself

1 what the reasons are for wanting the 160 acre nonstandard  
2 spacing? Or if you know it by heart, tell me what the  
3 reasons are, please?

4 A. Is that an exhibit or --

5 Q. I guess my question is, are one of the reasons  
6 that Vanguard is presenting to convince the Examiner that  
7 Vanguard should get 160 acre spacing in the Byers pool?

8 A. Well, the -- as presented, the drainage area of  
9 State A No. 7 is less than 15 acres. It's not going to  
10 impact any acreage off of our lease. We have 80 acres.  
11 So that's why we're -- you know, we're recommending an 80  
12 acre exception.

13 Q. Okay. From the application that I'm referring  
14 to here, Mr. Examiner, the first reasons stated,  
15 number one, is that the applicant desires to produce the  
16 well on a leasehold basis. That's the only reason  
17 presented.

18 And Paragraph 2 following that, there's a  
19 statement that says that the well is capable of producing  
20 less than 200 MCF per day. And then it goes into more  
21 statements about the Byers-Queen gas pool. It was  
22 prorated at one time.

23 And then I think Mr. Bruce attached to the  
24 application some exhibits talking about proration was  
25 terminated, and references a Paragraph 8, and then goes

1 on. But there's no real reason there. And I guess I  
2 would like to get some clarification from Vanguard  
3 technically why -- what does this mean?

4 MR. BRUCE: And if I could interject,  
5 Mr. Examiner, I take what -- what I've been given. And I  
6 think Mr. Pence just stated they wanted to produce it on a  
7 leasehold basis. Administrative applications are not  
8 necessarily as technical as presented in a hearing.

9 MR. BLISS: I guess my question here is, I don't  
10 understand -- you know. The regulations, the rules that I  
11 see say that you need to provide the reasons that you're  
12 asking for the nonstandard spacing.

13 And here following your letter, it says the  
14 reasons the applicant is filing for this nonstandard are  
15 the following. One is their desire to produce on a  
16 leasehold basis. Which is self-explanatory.

17 The second one says that because the -- it  
18 doesn't even say because, it just says the State well is  
19 capable of producing less than 200 MCF per day.

20 MR. BRUCE: It's not a prolific well, which I  
21 think Mr. Pence testified about.

22 HEARING EXAMINER: What is the question?

23 Q. Okay, the fact that this well in your opinion is  
24 not a prolific -- ah. How does that affect -- or how is  
25 that reason for wanting to change the rules?

1           A.    First of all, we're not trying to change the  
2 rules, we're just asking for an exception to the rule for  
3 this well.

4           Q.    Okay. Well, I'll move on. So the reasons are  
5 as explained in the letter and the additional reason that  
6 the drainage area is less than 15 acres?

7           A.    Right.

8           Q.    Okay. As far as exhibits go and your  
9 calculations, starting with, I guess, Page 4, the  
10 structure, you make the case that the No. 7 well is up 32  
11 feet versus the No. 4, 25 feet. So they're off 7 feet of  
12 difference?

13          A.    Right.

14          Q.    Over half a mile?

15          A.    Right.

16          Q.    Okay. So that's the slope. And from the  
17 previous one, you said your top portion was 36.24?

18          A.    Yes, 36.24 right.

19          Q.    Okay. Thank you. On Page No. 5 on the  
20 calculations, did you calculate these yourself or did go  
21 to an outside engineering firm?

22          A.    No, I calculated these myself.

23          Q.    Can you tell me what scientific evidence or what  
24 historical data you used in order to determine 1650 PSI  
25 initial formation pressure?

1           A.    It's estimated based -- as shown on the exhibit,  
2    it's based on a .45 PSI per foot.  So it's an estimate.  
3    And the 4.5 is approximately equivalent to applying a  
4    water pressure gradient.  For shallow reservoirs, it's a  
5    reasonable estimate.  So if you take the 36 plus feet  
6    there times .45, you should get pretty close to 1650.

7           Q.    Let's go to the numbers.  Basically, the  
8    calculations on No. 4 and No. 7 are based on assumptions,  
9    right?

10          A.    That's right, there are some assumptions.

11          Q.    They are assumptions.  So based on your  
12    knowledge and experience of the Byers-Queen pool; is that  
13    correct?

14          A.    Yes.

15          Q.    Okay.  Have you reviewed any of the drilling  
16    information from the other wells or from looking into any  
17    geological structural maps, well logs from any of the  
18    other wells, have you looked at gas analysis from any of  
19    the other wells to basically say -- and looking at  
20    porosity to basically support your calculations?

21          A.    Most of the assumptions were based on the  
22    information from the State A No. 7, because we did not  
23    have access to the data in other areas.  So it's just --  
24    so it's primarily the State A 7 with limited information  
25    through some log data and what was recorded in -- you

1 know, from some of the other offset wells.

2 Q. Okay. With respect to upslope, if -- with  
3 upslope, you mean higher -- that doesn't mean that the gas  
4 from the No. 4 would migrate towards your well?

5 A. If you're -- all things being equal, if you're  
6 up depth, gas would have a tendency to -- you know,  
7 actually go toward the No. 4. You have -- because of the  
8 gradient. You know, you have -- If you're higher up on  
9 structure and you got a well that's lower on structure  
10 whether -- and everything being equal, you're going to  
11 have pressure gradient of the gas, rather small, because  
12 it's gas and gas doesn't have a lot of density to it.

13 Q. And it will favor the higher?

14 A. No, it would actually favor the lower well. The  
15 other thing, too, as far as gas migration, fluid flow goes  
16 from high pressure to low pressure. So the No. 4 has been  
17 producing longer, it's drained more, it's got a larger  
18 cum, it has a lower bottom-hole pressure.

19 There's a pressure sink there. So there's going  
20 to be -- there would be more of a tendency for gas to go  
21 toward a low pressure point than it would be to a high  
22 pressure. In fact, it's physically impossible to go in  
23 the opposite direction.

24 Q. Okay. I understand that. Thank you. Did  
25 Vanguard attempt to try to obtain 160 acre spacing units?

1           A.    No, we didn't.

2           Q.    Did not?  So did you not encounter any  
3   obstructions or any obstacles whatsoever that would have  
4   impeded your ability to get 160 acre spacing?

5           A.    We recognized from the way the well was  
6   producing that it was going to drain a small area.  And so  
7   we went through the process of notifying offset operators  
8   that we wanted an exception to the 160 acre field rule.

9           Q.    But I guess my question is, did you receive any  
10  objections, any reasons whatsoever physically or from any  
11  other operator -- is there anything geologically or  
12  anything else that warrants not obtaining the 160 acre  
13  spacing that the rules currently have on this pool?

14          A.    No.  Techsys is the only -- was the sole  
15  protestor and --

16          Q.    Can I make a comment on that?

17          A.    Okay.

18          Q.    Techsys is not objecting to Vanguard obtaining a  
19  160 acre lease at all.  And if Vanguard would obtain a 160  
20  acre lease, it's in your prerogative to move forward with  
21  your lease.  So my question, I think you answered very  
22  well, thank you.

23                    When you look at a reservoir and you look at a  
24  reservoir's energy -- And you said that this reservoir is  
25  a depletion-driven reservoir?

1 A. Right.

2 Q. Is the reservoir energy a function of volume?

3 A. Energy? What times are you talking about  
4 energy?

5 Q. Does reservoir energy go up or down as the  
6 volume changes? As the volume in the reservoir changes,  
7 does that effect the amount of energy driving the  
8 reservoir?

9 A. At a point in time, it depends on -- There's a  
10 number of factors involved as far as -- If you're talking  
11 about the energy of the flow of gas, produces gas, you  
12 have -- it has to -- you know, pressure --

13 Q. Pressure within ideal gas laws is directly --

14 A. Well, yes, the pressure of your reservoir,  
15 the -- it has to do -- really, it has to do with the delta  
16 pressure, the pressure in the reservoir and your pressure  
17 in your well bore and how much -- you know. That's one  
18 piece of determining how much gas you're going to be able  
19 to produce. There is a -- it does depend -- size might  
20 come into where -- how far out your -- what you're  
21 producing across, but it --

22 Q. I'm just talking in its clearest and simplest  
23 form because --

24 A. I think what might help for you to understand is  
25 that this is a very low permeability log. So it is very

1 difficult to produce economically a long way away from  
2 your well bore, because you have a pressured gradient from  
3 the -- you know, the tip of what you're impacting to your  
4 well bore. And with the very lower perm like what we see  
5 in the Queen, you -- And you just don't get the -- you  
6 can't push the gas through that low permeable rod, it's  
7 not like a pipeline.

8 MR. WARNELL: I think we're getting beyond --  
9 you know, in the interest of time. I appreciate that and  
10 maybe you could help me on that later, but I do have quite  
11 a -- my background is in engineering, so it's --

12 THE WITNESS: Okay, that wasn't my --

13 HEARING EXAMINER: Okay, we need to talk one at  
14 a time because it makes it very difficult for the court  
15 reporter to get everything down.

16 Q. Are you aware that there are currently five  
17 wells producing in the Byers-Queen, all within a half mile  
18 radius circle, and then by putting the No. 7 well on line  
19 would put a sixth well all within a one-half acre radius  
20 with the center of that circle being Techsys Resources  
21 No. 4 well?

22 HEARING EXAMINER: I think you might have  
23 misspoken. You mean a one mile radius, don't you? You  
24 said one acre.

25 MR. BLISS: I'm sorry, I did misspeak.

1 Q. If you take a one-half mile radius circle with  
2 the center at the Techsys Well No. 4, there are currently  
3 five wells already producing in the Byers-Queen. If you  
4 add State No. 7, that would make it six because it's  
5 within in a half mile radius.

6 And Texland, as you are aware of, is looking to  
7 do the same thing even closer to us than you are. That  
8 puts seven wells -- all seven wells all within a half mile  
9 radius of each other. I just wondered if you were aware  
10 of that density?

11 A. I know there are other Byers wells producing,  
12 but I haven't sit down to see how close the density  
13 spacing is.

14 Q. I didn't know if you were aware of that or  
15 just... Have you looked at the historical data from the  
16 other -- the No. 4 well, I think you touched on it, and  
17 the No. 1 well, which is due west of the No. 4, the Occi  
18 well, which is southeast of your well, which is all part  
19 of the original development of Byers-Queen.

20 Are you aware that those three wells have each,  
21 prior to 1960, conservatively saying -- and this is in the  
22 Commission's records -- have each produced -- No. 1 has  
23 produced over 5 BCF, and No. 4 has produced over 4 BCF,  
24 and State A and the Occi well have produced over 5 BCF,  
25 and these production rates, these large production rates

1 are -- I didn't know if you were aware of that and if it  
2 can be that that doesn't support the data that these are  
3 such tight -- this reservoir is so tight that you can only  
4 extend out 500 feet and produce in such a small area.

5           And as you pointed out, the No. 4 well, I don't  
6 know -- as you've done calculation here, I can't argue  
7 whether they are right or wrong, but I can say, you know,  
8 we've been producing the No. 4 well for eight years with  
9 very little decline. It's probably not even with -- you  
10 know, it's scientifically insignificant. The No. 1 well  
11 to the west of us has been producing since 1996, I  
12 believe.

13           HEARING EXAMINER: Excuse me, Mr. Bliss, do you  
14 have a question for the witness?

15           Q. My question is, are you aware of these other  
16 wells and their what tend to be historical data supporting  
17 very good flow conditions, I would say, in layman terms?

18           A. What Vanguard looked at primarily was No. 4, and  
19 it was unclear how much production might have been  
20 produced prior to 2000, that we just couldn't -- you know.  
21 We could have taken a guess, but we decided to take a  
22 really conservative approach, if you will, and go from May  
23 2000 forward.

24           And if -- I was unaware of the -- that the  
25 Grimes No. 1 and the Grimes No. 4 are producing both from

1 the same 160 acre proration unit. So... I thought -- So  
2 you all -- I guess Techsys received not only an unorthodox  
3 location but also an exception to the 160 acre field  
4 rules.

5 Q. My final final question, when you did your  
6 calculations and you try to quantify rate well recovery,  
7 did you take into account in any of your calculations the  
8 element -- or the factor of time?

9 A. In the EUR, there is a forecast of the  
10 production and -- you know, the production rate over time  
11 is a volume. So I guess there's time there.

12 Q. So the drainage area is independent of time, is  
13 that what you're saying?

14 A. No. I thought I said the production -- the EUR  
15 is the way -- The way the reserves are calculated is  
16 depending on the amount of time. You got a rate over a  
17 period of time, is volume. So -- I mean, to answer your  
18 question, time is included because of the EUR.

19 Q. Okay. That's all the questions I have.

20 HEARING EXAMINER: Okay. Mr. Bliss asked you  
21 about the reasons for requesting this nonstandard unit,  
22 and he was reading, I take it, from your application.

23 And the first reason given was the configuration  
24 of the ownership, right? That you owned the north half of  
25 the northeast quarter and you do not own the south half of

1 the southeast quarter, Vanguard?

2 THE WITNESS: That's correct.

3 HEARING EXAMINER: It would be implicit in that  
4 reasoning that Occi would also be entitled to an 80 acre  
5 unit consisting of the south half of the northeast  
6 quarter, would it not?

7 THE WITNESS: Yes.

8 HEARING EXAMINER: So if you followed that  
9 logic, then you would have to grant a nonstandard unit  
10 whenever the ownership was -- did not correspond to the  
11 prescribed spacing pattern, correct, if that were a reason  
12 for granting a nonstandard unit.

13 THE WITNESS: Okay, yes.

14 HEARING EXAMINER: Okay. I'm being a little bit  
15 argumentative here, which I usually chastise attorneys for  
16 being. So basically, the case you're making here in your  
17 calculations is that you're saying that you will not drain  
18 outside that 80 acre unit, correct?

19 THE WITNESS: That's correct.

20 HEARING EXAMINER: Okay. That's what I thought.  
21 I really don't have any other questions. Mr. Warnell?

22 MR. WARNELL: I just have, I think, one  
23 question. On Page 7, the well diagram, I believe you  
24 mentioned that you purchased that well in March of --

25 THE WITNESS: Well, we closed on the acquisition

1 with Apache in January of 2008. We took over the  
2 operations in March of 2008.

3 MR. WARNELL: So when did you drill the well?

4 THE WITNESS: We did not drill this well. It  
5 was drilled by -- well, back in 2002, I believe. It's on  
6 the log header.

7 MR. WARNELL: Yeah, I thought I saw that on  
8 there. Okay. I have no other questions.

9 HEARING EXAMINER: Okay. Mr. Bruce?

10 REDIRECT EXAMINATION

11 BY MR. BRUCE:

12 Q. Mr. Pence, also, when you went and did the work  
13 reworking the well or completing it, Vanguard did that by  
14 itself and spent all of its own money on that  
15 recompletion, correct?

16 A. Yes, sir.

17 Q. And it took the risk involved in that  
18 recompletion?

19 A. Yes, sir.

20 Q. And if you had spent money and hadn't gotten a  
21 completion in the Queen, you wouldn't be here today?

22 A. That's correct.

23 Q. And you wouldn't have asked Occi to share in  
24 that failed venture?

25 A. Yes, sir.

1 Q. Would it be -- just looking at today if you had  
2 to go out and drill a new Queen well in the northeast  
3 quarter of Section 32, in your opinion, would it be  
4 economical?

5 A. No, sir.

6 Q. 483 MCF reserves?

7 A. No, sir.

8 Q. And I didn't quite catch what Mr. Bliss was  
9 talking about with respect to the Grimes No. 4 about  
10 producing substantial amount of gas even before 2000?

11 A. I'll be honest with you, it was unclear to me.  
12 It was more -- I thought that Mr. Bliss was -- I know he  
13 was clearly stating the No. 1, which is in the same 160  
14 acre quarter there, had produced a significant amount, but  
15 I wasn't sure about how much gas had been produced by the  
16 No. 4.

17 Q. If it had produced substantially more gas from  
18 the Queen, the No. 4 well, that drainage area would extend  
19 even further into your acreage, would it not?

20 A. Yes.

21 MR. BRUCE: That's all I have, Mr. Examiner.

22 HEARING EXAMINER: Well, apparently Texland  
23 thinks it's worthwhile to drill a new Queen well not far  
24 from here, correct? I understand they had proposed one.

25 THE WITNESS: Oh, Texland. They're planning to

1 recomplete a well, yes.

2 HEARING EXAMINER: Okay. It's a recompletion,  
3 it's not a new drill?

4 THE WITNESS: That's right.

5 HEARING EXAMINER: Okay. Thank you. That's all  
6 I have. The witness may step down. Does that conclude  
7 your presentation in chief?

8 MR. BRUCE: Yes, sir.

9 HEARING EXAMINER: Okay, Mr. Bliss, you may --  
10 Do you wish to testify?

11 MR. BLISS: Yes, sir.

12 HEARING EXAMINER: Okay, I did not get you  
13 sworn. Please stand and be sworn.

14 (Note: The court reporter placed Mr. Bliss  
15 under oath.)

16 HEARING EXAMINER: Okay. And I see no reason to  
17 make you pick up all your documents and move over here  
18 unless the court reporter feels it's necessary. So you  
19 may present your testimony from your seat.

20 MR. BLISS: Thank you. I'd like to hand out  
21 some exhibits.

22 HEARING EXAMINER: Very good.

23 MR. BLISS: I'd begin my testimony with a couple  
24 of objections. My objection as owner and operator of the  
25 160 acre due west of Vanguard is based on, Vanguard has

1 not acquired a 160 acre spacing unit, which is what the  
2 Byers-Queen gas field currently has on the state rules, to  
3 my understanding.

4 They also have failed to provide sufficient  
5 reasoning to warrant, in my opinion, the Commission's  
6 approval to grant them the nonstandard spacing.

7 The reasons that they have given are they don't  
8 think that they will drain the No. 4 well. They desire to  
9 produce on a leasehold basis, and then they give an  
10 indiscernible reason about -- something about not being  
11 able -- that their well is unable to produce more than 200  
12 MCF a day and references some proration rules.

13 Those reasons to me are weak at best.  
14 Essentially what we have here -- I'd better just tell the  
15 story. The testimony we have here, we have four  
16 operators. And if you look at Exhibit A and you look at  
17 all the black dots on here, all the black dots on here  
18 except for five currently are oil producing properties  
19 that -- If you look at the green station line that kind of  
20 outlines the entire Queen -- Byers-Queen per the  
21 commission's definition of what the pool extent is, all  
22 those black dots on there are oil operators.

23 And it's very clear and I think it's obvious to  
24 everybody why an oil operator who has a temporarily dry  
25 oil well would like to come up and produce on their 40

1 acre spacing and take ownership of the gas.

2 But I would argue, and I could give some reasons  
3 here soon why I think that's a detriment to the State of  
4 New Mexico and the people, as well as any entrepreneurial-  
5 driven gas operator who is competing on the rules that the  
6 Commission has provided that the gas that other operators  
7 are attempting to develop and produce in this Byers-Queen  
8 gas pool, they should operate under the same rules.

9 If you allow -- I don't understand. They  
10 haven't given any reason why they think -- You know, it's  
11 clear why an oil operator ought to be able to produce a  
12 gas pool on 40 acre spacings. And as you can see, the  
13 applications are very quick.

14 Texland, as soon as they got the application  
15 from Vanguard, turned around and thought, "What a great  
16 idea. We'll do the same thing. We'll find an old  
17 abandoned oil well, we'll just perforate some holes, and  
18 we'll produce the gas pool reserves."

19 Texland thought it was such a good idea they  
20 took the exact word-for-word application that Mr. Bruce  
21 filed and just switched out their names. They didn't even  
22 go to the -- It's so easy for them to now go and say,  
23 "Wow, what a great opportunity," you know.

24 For some odd reason which Vanguard has not  
25 demonstrated here, for some reason, the Byers-Queen field

1 now needs to be treated as a oil field for some reason.

2 HEARING EXAMINER: Let me interrupt you. Has  
3 Texland also filed for a nonstandard unit?

4 MR. BLISS: Yes, sir, they sure have. Exactly  
5 the same word for word as -- it's the exact same  
6 application document that Vanguard did. And I know  
7 Vanguard and Texland have actually talked to each other  
8 about mutually not wanting to object to the other's if the  
9 previous didn't object to them. So I know that. I've  
10 been told that.

11 So bottom line, it's a bad idea if you're a gas  
12 developer. And I think it's a bad idea for the State of  
13 New Mexico. And here's why. I put -- The reason I'm  
14 here -- I'm not an oil or gas producer but my dad is.  
15 He's 80 years old. He couldn't be here today for health  
16 reasons.

17 But I was raised in Hobbs, New Mexico five miles  
18 from this area. My dad worked for Gulf. This used to be  
19 a Gulf lease. The reason we know the WD Grimes No. 1 and  
20 the No. 4 and the old Occi well produced so many BCF a day  
21 is because Gulf operated those wells and they used that  
22 well -- they used that gas for their camps, and they ended  
23 up using that to drive the gas engines to drive all the  
24 oil pumps in the area.

25 He knows that like the back of his hand. My

1     dads knows -- he knows everything about that.     And that's  
2     why I say it's historically -- the historical data  
3     disputes clearly that these porosity figures -- And these  
4     are tight holes that you can only extend out to certain  
5     areas.

6             And the bottom line is, I think the -- I make  
7     testimony here based on historical data of all the  
8     production of the wells that are out there, that  
9     Byers-Queen is a common reservoir, is a common reservoir  
10    with common reservoir energy.

11            And so on that, I think that any of these oil  
12    operators that desire to produce out of that are actually  
13    producing from the same reservoir as everybody else that  
14    has been there that is trying to do that.

15            MR. BRUCE:   Mr. Examiner, I would have to object  
16    if he's testifying on reservoir engineering matters  
17    because he's not a reservoir engineer or a petroleum  
18    engineer.

19            HEARING EXAMINER:   Do you have any training in  
20    petroleum engineering, Mr. Bliss?

21            MR. BLISS:   No training other than the fact that  
22    I've developed and operated this well and I've known it  
23    intimately for eight years.   Plus I studied this well for  
24    two years, and I studied the Byers-Queen for two years  
25    prior to it to be able to convince investors that it was

1 worth their time and their risk and their money to go  
2 after the reserves on this particular field.

3 So the only training I have is specific to the  
4 Byers-Queen gas field. And it was taught to me by my  
5 father who is a petroleum engineer with 35 years  
6 experience. And the only reason he couldn't be here today  
7 is he had to go to Lubbock for medical reasons.

8 HEARING EXAMINER: Well, I will overrule the  
9 objection and consider the witness's qualifications as  
10 going to credibility rather than admissibility. You may  
11 continue.

12 MR. BLISS: Thank you. Before I go on in this  
13 statement of record, Vanguard has admitted here today,  
14 they are currently producing their No. 7 well from the  
15 Byers-Queen, which from my reading of the rules violates  
16 Rule No. 19.15.15.11B, which says that they have to obtain  
17 a permit. It says,

18 "For nonstandard spacing units,  
19 an operator shall not produce a well that  
20 does not have the required amount of  
21 acreage dedicated to a pool or proration  
22 for which it has completed until the  
23 Division has formed and dedicated the  
24 standard spacing unit for the well or  
25 approved a nonstandard spacing unit."

1           And if the Commission agrees that that is a  
2 violation of the rule, I would ask that the Commission ask  
3 Vanguard to stop immediately producing until the  
4 Commission rules otherwise on the matter.

5           The next point I have here is that Vanguard  
6 seems to make -- presenting -- implying that because this  
7 is a depleted gas field, that 160 acre spacing is no long  
8 merited. I argue -- totally disagree with that. I argue  
9 it's just the opposite.

10           Because small entrepreneurial companies like me  
11 would not and could not get financing to buy 160 acres.  
12 Had we only known that every well operator out there on a  
13 40 acre spacing, whether a producing or an abandoned well  
14 bore penetrating to the Queen could for \$100,000 and no  
15 effort go after a lease -- the sweat equity of going out  
16 there and getting a 160 acre spacing, can punch a hole  
17 into the same reservoir.

18           And I'd argue that according to the definitions  
19 given in the State's rules for correlative rights, which  
20 are,

21                   "Correlative rights means the  
22                   opportunity afforded as far as it is  
23                   practical to do so to the owner of each  
24                   property in a pool to produce without  
25                   waste the owner's just and equitable

1 share of the oil or gas in the pool,  
2 being an amount so far as can be pract-  
3 ically determined and so far as can be  
4 practically obtained without waste  
5 substantially in the proportion that the  
6 quantity of recoverable oil or gas under  
7 the property bears to the total recoverable  
8 oil or gas in the pool and for the purpose  
9 to use the owner's just and equitable share  
10 of the reservoir energy."

11 This talks to reservoir energy and it talks to  
12 fair and equitable share of the pool, which is  
13 contradictory to the notion that we're only -- our 160  
14 acres are restrained. At least this doesn't say we're  
15 restrained by the lines on the map. It doesn't say that  
16 at all. And so I argue that for them -- well, that's  
17 enough on that.

18 My next point, the 160 acres standing spacing  
19 rule is important to us. It also has certainly withstood  
20 the test of time. You've probably heard it hundreds of  
21 thousands of times, challenges by one guy saying it's a  
22 good idea and the other guy saying it's a bad idea.

23 Presumably, all legal, technical, physical,  
24 commercial issues and matters, including property rights,  
25 oil operators' correlative rights, oil versus gas

1 operators, waste prevention and conservation of oil and  
2 gas have all been thrown at you in the past.

3           The fact that it has withstood the test of time,  
4 I think, is pretty good testimony to the fact that no  
5 matter what their engineering claims are, no matter what  
6 an oil producer says is the restriction, it doesn't rule  
7 away the fact that the -- that the rule should be thrown  
8 out. Not for a desire, not due to drainage and not due to  
9 some unclear 200 MCF per day inability of this well to  
10 produce.

11           So I think the 160 acres should stay for all  
12 operators. Vanguard has not provided any reason why they  
13 could not do 160 acre spacing. They haven't tried. 160  
14 acres spacing was nonexistent when I came into this.

15           As you pointed out, the well to the left of us  
16 was already producing. I went to them, I went to the guy  
17 to the south of us, and I went to everybody out there, and  
18 spent many days over in Chevron's office and arguing and  
19 providing cases and paying for the 160 acquisition so that  
20 I could stay within the rules.

21           There's nothing preventing them from doing the  
22 same thing. And if they do get the 160 acres, then the  
23 case is closed, in my opinion. I have no objection.

24           Vanguard has said in Mr. Pence's testimony that  
25 there is no physical waste -- well, I don't know if that

1 was his exact words, but he said their drilling the well  
2 does not produce waste. I guess that's subject matter for  
3 debate.

4 If I was a developer, I cannot go and get more  
5 investment dollars to produce my 160 acres if I'm  
6 competing against oil operators out there on 40 acre  
7 spacing. That, I would never have been able, like I said,  
8 make this deal, put this deal together if every black dot  
9 on here could actually produce based on the reasons that  
10 Vanguard is giving.

11 That would have left over half a billion cubic  
12 feet of gas in the ground because I wouldn't be able to  
13 produce this. No other operator besides HRC to the west  
14 of us, no other operator, gas or oil, think the  
15 Byers-Queen is worthy of their investment dollars.

16 Vanguard doesn't think it's worthy of it,  
17 Texland doesn't think it's worthy of it. They've told me  
18 that. It is also demonstrated by the fact that no one  
19 else has punched a hole in there.

20 The only people that are going to punch holes in  
21 here are the people -- are very small entrepreneurial guys  
22 that feel like they have a very good understanding of this  
23 particular pool. There's probably hundreds of these pools  
24 out there in the state. I don't know.

25 If the state -- if all the similar gas bills

1 allow the oil operators to produce on 40 acre spacing and  
2 just come up-hole whenever their well goes dry -- their  
3 oil well goes dry and grab gas out of the other pool  
4 without following the rules, then that eliminates  
5 competition and it dries out the little guy.

6 Vanguard has not proven that their well isn't in  
7 the same geologic strata and we aren't sharing the same  
8 reservoir energy of the other wells.

9 With that, I'd like to go real quickly to  
10 Exhibit B. The shaded area in gray is the Byers-Queen gas  
11 field. This is coming off of the State's online data  
12 base. The legend down there, the blocks in green are  
13 Texland oil leases. The red ones are Vanguard's leases.  
14 The yellow is my 160 acre gas lease. And the two blue 40  
15 acre tracts are Occi's.

16 The five red dots that are all red are currently  
17 producing. Texland already has done what they've asked to  
18 do, which we weren't aware of. Texland has come up and  
19 produced in the Byers-Queen old oil wells over those two  
20 red dots.

21 HEARING EXAMINER: Let me interrupt you just a  
22 minute. That red dot that's on the Occi acreage, is that  
23 a well that's completed in the Byers-Queen?

24 MR. BLISS: Yes, sir. That's one of the  
25 original Byers-Queen wells that Occi came up -- Occi holds

1 the oil lease, but they came up on this well.

2 HEARING EXAMINER: And is that currently  
3 producing?

4 MR. BLISS: Yes, sir, it sure is.

5 HEARING EXAMINER: Okay. Continue.

6 MR. BLISS: They are. And that's within 160  
7 acres, as you can see. HRC, the red dot to the left of  
8 us, is producing. But we still have the 160 acres.

9 Vanguard, if you look at the little black dot to  
10 the east of the No. 7, Texland is just right off  
11 catty-corner just a little bit to the northeast of the  
12 No. 4. The No. 4 is in the circle, that all-black dot,  
13 that's the No. 4 well. That circle is a half mile radius  
14 circle.

15 All five wells right now -- it's very dense.  
16 All five wells producing in the whole Byers-Queen field  
17 are all producing within that half mile radius. Vanguard  
18 wants to produce in there as well. Texland also now wants  
19 to drop another well in there as well. The only reason, I  
20 believe, is because those are dry oil wells.

21 HEARING EXAMINER: Is there a well in the north  
22 half of the -- you don't have section numbers on here.

23 MR. BLISS: Yes, I do. There are section  
24 numbers on here. Nos. 29, 30, 31, and 32.

25 HEARING EXAMINER: Okay, yeah. Is there a well

1 in the north half of the southeast quarter of Section 29,  
2 is there a Byers-Queen well in that?

3 MR. BLISS: Not yet.

4 HEARING EXAMINER: That would be the other half  
5 of the unit in which Texland is --

6 MR. BLISS: To my knowledge, there are not any  
7 out there at this point.

8 HEARING EXAMINER: Okay. Go ahead.

9 MR. BLISS: So the reason I think this slide is  
10 important is this shows a very densely produced area and  
11 that there are plenty of operators that are actively and  
12 prudently trying to recover the reserves in the  
13 Byers-Queen and that there isn't any waste going to occur  
14 in this field.

15 And if you -- again, going back to the 160 acre  
16 space -- And there had to be some rhyme or reason  
17 technically and physically to say that gas spacings need  
18 to be 160 acres. It can't be that if you go well by well  
19 and just say, hey, guys, a well can only drain 400 feet  
20 and therefore -- because just -- It seems to me that -- so  
21 if you look at this at a higher level than what they are  
22 doing, you say, look at the 160 acre spacings, if you look  
23 at Section 32, Occi is already covering the upper half of  
24 Section -- well, the northeast quarter, and HRC, another  
25 operator and myself, are covering the northwest quarter.

1           And so, if you're looking at it in terms of 160  
2 acres and there's already -- there isn't waste, those  
3 wells being there, they're already producing.

4           Exhibit C is just a snapshot picture of Lea  
5 County, but basically it shows the Byers-Queen and how  
6 small it is. It's a very small gas drilling.

7           Exhibit D is a partial printout of the State's  
8 data base of all the existing gas pools in the whole state  
9 of New Mexico. And I didn't print it out because it -- I  
10 printed out five pages, but in order to capture all the  
11 pools, there's 30 pages. So I just gave you a snapshot.

12           And the fourth page of this exhibit includes the  
13 Byers-Queen, and it's highlighted a little bit in gray,  
14 and it shows 160 acre standard spacing. But the reason I  
15 put this in here, there are 1,800 gas pools on the New  
16 Mexico Oil Conservation Division's data base here. It  
17 takes 30 pages. None of those are less than 160 acre  
18 spacing that I could find on that list.

19           And I don't think there's any merit for making  
20 the Byers-Queen less than 160 acre spacing. I don't think  
21 Vanguard has proven with any compelling reason or even at  
22 all why we should not stick to the 160 acre spacing.

23           The next exhibit, Exhibit E -- I apologize for  
24 the quality of it -- again shows in black, that's the  
25 Byers-Queen reserve per the Conservation Division's data

1 base. Vanguard has five well bores already. What I list  
2 there, you can see one, two, three, four, five, they  
3 already have five well bores that penetrate the Queen and  
4 they're all on 40 acre -- held by 40 acre spacing.  
5 They're oil wells. But they all penetrate the Queen, the  
6 Byers-Queen.

7           And I think the precedent here is terrible, that  
8 -- you know. And if you look at Texland, it has 33 wells  
9 in that Queen area, but they're oil wells. And then  
10 they've got two gas wells. But if the precedent goes  
11 forward where these oil operators can whenever they want  
12 for little dollars and no risk -- They did not target the  
13 Queen, they did not target the Byers-Queen, they did no  
14 analysis, they did no risk assessment.

15           They didn't come to the Byers-Queen for the  
16 Byers-Queen, they came in for the oil. And if it's  
17 allowed for all oil operators to come up-hole, you'd have  
18 the potential here for 38 more penetrations of popping  
19 holes into the Queen. And to say that doesn't harm the  
20 gas producers in the Queen is wrong and based on  
21 self-evidence.

22           Exhibit F shows all the producing wells right  
23 now in the Byers-Queen. I have not been able to find data  
24 on the attempted oil and gas, but at least on the State's  
25 well log, they show that these are active wells in the

1 Byers-Queen gas field. If Vanguard is allowed to proceed,  
2 they will be added to that list.

3 The next exhibit, Exhibit G, is a list of all  
4 the well bores, proving simply that Vanguard -- Each one  
5 is basically -- I'm sorry, I didn't have time to highlight  
6 it.

7 If you go down the Section column, which is the  
8 fifth column of Exhibit G, you look basically for the ones  
9 in Sections 32 or 29, those are the ones that Vanguard has  
10 40 acre oil wells on, but they all penetrate the Queen,  
11 the Byers-Queen.

12 So, I can sum and you and give conclusions now,  
13 or do I do that at a later time?

14 HEARING EXAMINER: Well, whatever you want to  
15 do, actually, is okay.

16 MR. BLISS: I could just wait and then just  
17 conclude at the end.

18 HEARING EXAMINER: Okay. Does that conclude  
19 your testimony?

20 MR. BLISS: Yes, it does, unless anybody would  
21 like to ask me any questions.

22 HEARING EXAMINER: Okay. Do you tender your  
23 exhibits?

24 MR. BLISS: Yes, sir, I'd like to.

25 HEARING EXAMINER: Okay. Any objections?

1 MR. BRUCE: No, sir.

2 HEARING EXAMINER: Exhibits A through F will be  
3 admitted. Do you wish to question the witness?

4 CROSS-EXAMINATION

5 BY MR. BRUCE:

6 Q. Mr. Bliss, your testimony was geared toward the  
7 nonstandard unit. Do you object to the unorthodox  
8 location?

9 A. The unorthodox location?

10 HEARING EXAMINER: Yeah. The well is 500 feet  
11 from the east line, whereas the pool rules would require  
12 applicable -- spacing rules would require at least 660  
13 feet from the east line of Section 32.

14 A. If it is 160 acre spacing, then I have no  
15 objection to the unorthodox location.

16 Q. Looking at your Exhibit B, Mr. Bliss, what  
17 you're showing me -- Let's turn first to your acreage --  
18 Is the Grimes No. 1 still producing?

19 A. Yes, sir.

20 Q. And so is the Grimes No. 4?

21 A. Yes, sir.

22 Q. What is the footage location of the Grimes No. 1  
23 well, do you recall?

24 A. I don't understand footage location.

25 Q. How many feet from the north line of Section 32

1 and how many feet from the west line?

2 A. I don't have that information with me. It's  
3 supposed to be represented on the -- In fact, if you look  
4 at Exhibit No. 1, I could point to it. And I could point  
5 to the No. 4 if anybody wants me to.

6 Q. Well, that's okay. What I'm getting at Mr. --  
7 And so the No. 1 well is producing, and the No. 4 well is  
8 producing?

9 A. Yes, sir.

10 Q. On your lease. So you, in essence, have two  
11 wells on 160 acres, or one per 80 acre?

12 A. That's correct.

13 Q. And it also looks -- I know that Grimes No. 4 is  
14 unorthodox, 330 feet from the north line, and I believe  
15 2,310 feet from the west line of the section. That's an  
16 unorthodox location, is it not? These Queen wells are  
17 supposed to be 660 feet in a quarter section.

18 A. It is an unorthodox in the rules of the Queen,  
19 yes.

20 Q. And it looks like the Grimes No. 4 is also an  
21 unorthodox location. It looks like it's 330 feet from the  
22 west line of the section.

23 A. Yes, it is. And I can speak to the No. 4, not  
24 the No. 1, but I can say that No. 4, nobody objected when  
25 we applied for the 160 acre spacing.

1 Q. Okay. So what you did, even though the rules  
2 ask for 660 feet out for the quarter section line, you  
3 asked for an exception to the rule for the No. 4 well?

4 A. To the unorthodox location rule, yes.  
5 Specifically, yes.

6 Q. So you're not changing the rules in the  
7 Byers-Queen pool, you just asked for an exception to the  
8 rules?

9 A. That's correct.

10 Q. Isn't that what Vanguard is doing, asking for an  
11 exception to the rules?

12 A. They're asking for a specifically different  
13 exception. There's more --

14 Q. Well, now, wait a minute. You said there's  
15 going to be 160 acre units, but you've got two wells for  
16 160 acres. What's the difference between two wells on 160  
17 acres and having an 80 acre unit for one well in the Queen  
18 pool?

19 A. I think you're mixing it and I think I heard  
20 earlier maybe -- Are you saying that prorationing and  
21 spacing are the same thing, is that what you're --

22 Q. No, there's no prorationing in this pool. I'm  
23 going to well spacing. I'm just asking you as a practical  
24 matter, what is the difference between having two Queen  
25 wells on your unit and allowing Vanguard to have an 80

1 acre tract with one well on there as a practical matter?

2 A. Can you repeat the question? Are you trying to  
3 make a distinction based on legal merit, or are you  
4 trying --

5 Q. I'm saying what is the difference between --

6 A. I understand what you're --

7 (Note: The court reporter interrupted the  
8 proceedings due to multiple speakers.)

9 Q. I'm just saying, you have two wells per 160  
10 acres on your tract, correct, two producing Queen wells?

11 A. That's correct.

12 Q. So you have the functional equivalent of one  
13 well per 80 acres, correct?

14 A. No, I disagree with that.

15 Q. Okay.

16 A. You're looking at a map and I don't think  
17 that --

18 Q. And -- Okay --

19 A. You're looking --

20 HEARING EXAMINER: Excuse me. You can go ahead  
21 with your question. I think he's finished his answer.

22 Q. And then the same thing to the north on  
23 Texland's lease in the southwest quarter Section 29, they  
24 have, according to your records, two wells on a 160 acre  
25 unit?

1           A.    They don't have a 160 acre unit.  They don't  
2 have the 160 acre lease.

3           Q.    You show -- I'm looking at the southwest  
4 quarter -- Exhibit B.  Please bear with me.  Section 29,  
5 the southwest quarter.

6           A.    This has one well in 40 acres.

7           Q.    That's not what your plat shows.  The southwest  
8 quarter of Section 29 is shown to have two Queen wells on  
9 it.

10          A.    I'm not following it.  And if you have a  
11 specific question, please ask it.

12          Q.    I mean -- That's the question.  You're  
13 complaining that -- Mr. Bliss, you're complaining that  
14 Vanguard should have 160 acres dedicated to its well, but  
15 you show actually the northwest quarter of Section 32 your  
16 acreage, 160 acres, and the southwest quarter of Section  
17 29, Texland's acreage, and even the northeast quarter of  
18 Section 32 which belongs to Vanguard and Occi, each of  
19 them has two Queen wells on a quarter section.

20                    If that's the case, how are you being adversely  
21 affected by Vanguard's well?

22          A.    Well, I understand where you're going, but that  
23 has no merit.  And the reason it doesn't is simply because  
24 if Vanguard had a 160 acre lease, I don't care if they had  
25 12 wells in there, you guys are welcome to do that.

1 Q. Now, do you realize that under Division rules,  
2 you can have one well -- and this is what we're seeking an  
3 exception to -- you can have one gas well for 160 acres,  
4 do you know that?

5 A. Unless the Commission agrees not to allow it to  
6 happen, which is the case, now -- point --

7 Q. So in other words, you got an exception not only  
8 for an unorthodox location, you got an exception to the  
9 rules to allow two gas wells on your well unit.

10 A. The simple --

11 Q. Is that correct?

12 A. You're putting words in my mouth that I don't  
13 agree with. The simple --

14 HEARING EXAMINER: Well, I believe that's a yes  
15 or no question, is it not? I was wondering about the same  
16 thing myself. Do you have a simultaneous dedication  
17 exception permitting two wells in the northwest quarter of  
18 Section 32?

19 MR. BLISS: I would have to look. But we went  
20 through the process and we did not -- We went to the  
21 Commission, just as Vanguard went to the Commission.  
22 Nobody objected and the Commission granted us whatever we  
23 have.

24 And you're right. And I don't care -- I guess  
25 my point is, I'm yielding to the Commission. I don't have

1 the -- You know, I'm not trying to make a claim here of --  
2 The only difference between what I have in comparison to  
3 what you guys have is, I have no one objecting to what I  
4 did, but now I'm objecting to what you are doing for the  
5 reasons I have given. And it's up to the Commission --

6 Q. Could you provide us after the hearing with,  
7 number one, the unorthodox location order for the Grimes  
8 No. 4 well; number two, the unorthodox location order for  
9 the Grimes No. 1 well; and number three, could you provide  
10 us with the Division's order approving two wells on your  
11 well unit?

12 A. The details, I --

13 Q. Just the order numbers. Could you do that for  
14 me, please?

15 A. That, I don't know. I can give you what we were  
16 given when we got the permit.

17 Q. What cumulative production figures did you give  
18 for the Grimes No. 1 and the Grimes No. 4?

19 A. The original wells that were produced here, they  
20 were all over 4 million cubic feet, I'd estimate, up until  
21 about 1960. Then Chevron shut them all in. They weren't  
22 selling gas.

23 Q. Do you think that that production has drained  
24 reserves -- at such an orthodox location has drained  
25 reserves from Vanguard's acreage and from Occi's acreage

1 and from Texland's acreage?

2 A. I don't have an opinion on that. What I do  
3 think, though, is it demonstrates the hydraulic capacity  
4 of the formation.

5 Q. So it's okay for you, for Techsys to get  
6 exceptions to the Division's rules regarding unorthodox  
7 locations and for number of wells per well unit, but it's  
8 not okay for Vanguard to seek a single exception to the  
9 acreage requirement? Is that your basic opinion?

10 A. The -- I don't have an opinion on that. I'll  
11 leave that to the Commission to decide.

12 MR. BRUCE: Mr. Examiner, I don't think I have  
13 anymore questions of Mr. Bliss. I would -- and I maybe  
14 have a couple closing comments, but I would like to be  
15 able to -- I always have trouble digging up the NSP and  
16 NSL orders for a particular well off the Division's  
17 website.

18 HEARING EXAMINER: I do too.

19 MR. BRUCE: And I would like to require  
20 Mr. Bliss to provide the unorthodox location orders for  
21 the No. 1 well and the No. 4 well, and any order that  
22 approved two wells on the northwest quarter of Section 32.

23 HEARING EXAMINER: Well, it's a reasonable  
24 request if he has them in his file. At the same time, you  
25 probably have -- as difficult as it is for you to find

1 them in the Division's records, it's probably easier for  
2 you than it is for Mr. Bliss. Might be easier for you  
3 than it is for me because of your many, many years of  
4 experience in doing that.

5 MR. BRUCE: I will look for those myself also.  
6 And I would also -- One other thing, because I don't want  
7 to bring Mr. Pence back up to the stand, but I think he  
8 looked at the data and I looked at the data and we don't  
9 have any knowledge of an Occi producing Queen gas well in  
10 the south half northeast of Section 32.

11 HEARING EXAMINER: I was going to ask you about  
12 that, because it would seem that if there is such a well,  
13 it would presumably be dedicated to the northeast quarter  
14 unit, and it would raise the issue that -- What you  
15 probably should have is you and Occi jointly requesting  
16 two --

17 MR. BRUCE: That's what I would do on Vanguard's  
18 behalf if that is, indeed, the case.

19 MR. BLISS: I have a printout of the production.  
20 Not with me here, but I can -- I mean, it's easy to find.  
21 Just look up the well by name and you'll see it.

22 MR. BRUCE: And perhaps the confusion is, that  
23 is a well dedicated to the --

24 HEARING EXAMINER: Well, yeah, if it's not  
25 producing from Byers-Queen, it wouldn't be relevant, of

1 course.

2 MR. BRUCE: But I will look at that and --

3 MR. BLISS: If you refer to this Exhibit F,  
4 there's an Occidental well which references it on there  
5 and it shows it.

6 MR. BRUCE: Yeah. I'll double check that also,  
7 Mr. Examiner.

8 HEARING EXAMINER: I will also, because that is  
9 a very relevant issue. And I think you -- Would all  
10 parties agree that we can take into account whatever the  
11 well file shows with regard to an Occi well --

12 MR. BRUCE: Yes, sir.

13 HEARING EXAMINER: We'll take administrative  
14 notice of what the OCD's well files show?

15 MR. BRUCE: Yes, sir.

16 HEARING EXAMINER: Okay. Very good. I think  
17 then we'll close the testimony. You indicated you had  
18 some closing arguments, and Mr. Bliss indicated that he  
19 did also.

20 I do have one issue, though, that -- Mr. Bliss  
21 raised the issue, and I think this is a valid issue, that  
22 the testimony seemed to indicate that this well is  
23 producing currently even though it does not have a  
24 permit -- did not have a nonstandard unit or unit  
25 dedicated to it; is that correct?

1 MR. BRUCE: That is correct. And my witness has  
2 informed he would comply with whatever the Division so  
3 requires.

4 HEARING EXAMINER: Okay. I will have to defer  
5 that matter to the Director. I'm just a Hearing Examiner  
6 and I'm not going to make orders from the bench. I will  
7 report that situation to the Director and the Director  
8 will take whatever action he feels is appropriate.

9 Okay, you may make your closing comments.

10 MR. BRUCE: I would ask that Mr. Bliss go first.

11 HEARING EXAMINER: Well, if we were in court, I  
12 would think that the movants would have to go first. But  
13 if Mr. Bliss has not objections going first --

14 MR. BLISS: I would prefer he go first.

15 HEARING EXAMINER: Then the other side of that  
16 is, he gets a chance to respond.

17 MR. BLISS: Okay. Well, I'm not a lawyer.

18 HEARING EXAMINER: Well -- Okay, you may go  
19 ahead.

20 MR. BRUCE: Mr. Examiner, as I think Mr. Pence  
21 said, we're not seeking to change the rules, we are  
22 seeking an exception to the rules. And the fact of the  
23 matter is, there are at least three exceptions to the  
24 rules that Techsys has gotten or should have gotten with  
25 respect to its own well unit.

1           We fail to see the difference between getting an  
2 exception for the number of wells on a unit -- two wells  
3 on a well unit as opposed to seeking an 80 acre well unit.

4           Insofar as the data goes, I think the data is  
5 incontrovertible that Vanguard's well is only going to  
6 drain about 14 or 15 acres, has no adverse effect on  
7 anyone.

8           The case prior to this is Fruitland Coal Gas --  
9 which thank God I'm not extremely involved in anymore,  
10 but, you know, that pool -- that spacing in effect has  
11 gone down over the years -- and not that many years --  
12 from 320 acres to 160 acres. And now you have any number  
13 of operators who are seeking to -- although the well unit  
14 remains the same, they're seeking infill drilling, just as  
15 what was done with the Grimes No. 1 and the Grimes No. 4  
16 wells.

17           There's nothing wrong with that. It's perfectly  
18 legitimate. The statutes and the rules allow nonstandard  
19 units and allow an operator like Vanguard to apply for a  
20 nonstandard unit.

21           The thing is, if what -- As Mr. Pence testified,  
22 he only went back to the year 2000 to look at production.  
23 Mr. Bliss is talking about four and five BCF wells, for  
24 crying out loud, from wells that are severely encroaching  
25 on Vanguard's acreage, yeah, depletion has occurred, and

1 perhaps that's the very best reason to grant a nonstandard  
2 unit.

3           There's just not that much left anymore. And as  
4 Mr. Pence testified, no one's going to drill a well here  
5 for a cum of 180 units CF, it's just not -- It's just  
6 ridiculous to do so. And despite the rules exceptions  
7 that Techsys has gotten, if there was anyone adversely  
8 affected, it would be Occi -- all of the northeast quarter  
9 of State acreage -- but it would be Occi's as operator of  
10 the south half northeast quarter.

11           They apparently don't care. They were notified  
12 not only as an offset operator of the administrative  
13 application, but they were notified as the working  
14 interest owner in the south half northeast quarter.

15           And finally, the thing on correlative rights.  
16 Well, you know, correlative rights is the opportunity to  
17 produce the reserves under your acreage, the opportunity.  
18 Vanguard purchased this well just a year ago then  
19 immediately took steps to bring the well out of TA status  
20 and recompleted the well.

21           It took the opportunity to produce that to --  
22 spent its own money to take the opportunity to try to  
23 produce the reserves.

24           We just fail to see how Techsys is harmed by  
25 this application. No one is harmed by this application.

1 And we would ask that the case be granted with the proviso  
2 that if there is another Queen well in this well unit, I  
3 would get together with the local Occi attorneys and seek  
4 to amend the application.

5 HEARING EXAMINER: Okay. Thank you. Mr. Bliss?

6 MR. BLISS: Yes. I'd like to say that 160 acre  
7 spacing is more than just words on paper. I mean, it has,  
8 again, physical -- It's withstood the test of time against  
9 all arguments, physical, geological. It has withstood the  
10 test of time of commercial and economic competition.

11 And to reduce and change that to -- for the  
12 Byers-Queen on the notion that the Byers-Queen, nobody was  
13 producing into it, as they make a point that's the reason  
14 we should do that, I would contradict that, completely  
15 disagree with it and say no, there are people like myself  
16 that will produce and will benefit the State of New Mexico  
17 by producing wells as long as the rules are known and as  
18 long as the oil operators can't come up and all of a  
19 sudden just start producing gas under their oil acreage.

20 Which is what they have. Not the gas acreage,  
21 because they have not even tried to obtain the gas  
22 acreage, okay? How -- Okay.

23 Mr. Bruce also -- I disagree with the comment  
24 that he said correlative rights give you the -- I think,  
25 quote, "give you the right to produce under your acreage."

1 The definition here basically says -- it doesn't say  
2 "under your acreage." And I think a big part of the flaw  
3 here that Vanguard and Mr. Bruce are presenting here, is  
4 they're looking at lines on a paper.

5 Nobody has proven that -- They treat the  
6 reservoir and well recovery around their well bore like a  
7 cylinder, like a perfect cylinder. They can only -- it's  
8 going to extend out 500 feet.

9 But they have not done the research to figure  
10 out what the real delineation on this pool is. They don't  
11 have any idea whether or not that all of their 181  
12 cumulative recovery might come from a narrow sliver. They  
13 might be out on a peninsula, who knows? They have not  
14 looked at it. You know why? Because they made a claim.

15 They don't care about this gas field. They  
16 don't care -- It's isn't economical to them. So they  
17 don't know what this pool -- It's not a cylinder. I can  
18 tell you that one thing they're wrong about, it's not a  
19 500 foot radius perfect cylinder 35 feet high that they're  
20 recovering from, it is a highly porous, highly productive  
21 reserve demonstrated by the recoveries of the four or five  
22 BCF a day on the well.

23 Now, contrary to their idea that this is a tight  
24 hole, only 14 1/2 acres, I'm not a petroleum engineer, but  
25 they have not demonstrated the case that this is a perfect

1 cylinder and that it can only hit that 14 1/2 acres.

2           They haven't talked about the element of time  
3 and they haven't -- And if you look at Exhibit B again, I  
4 think that historical data will definitely prove that this  
5 is a common reservoir, very simple, no obstructions, that  
6 they're competing for the same energy that we're competing  
7 for, and that all the other operators are competing for.

8           And by competing for the same energy that -- If  
9 you put seven wells in a half mile radius circle, you  
10 deplete the -- Your volume extraction is going to me more  
11 than if you had five wells in there.

12           So how are we harmed? When we go from having a  
13 one-fifth interest in the correlative rights definition of  
14 our equitable share of the reservoir energy, we go from  
15 one-fifth -- if they're approved, we go to one-sixth.  
16 That's a 16 percent loss in our equitable share if it's  
17 allowed. And when Texland goes in there, we go from  
18 one-fifth to one-seventh. So we drop 30 percent -- our  
19 equitable share will go down 30 percent.

20           And again, you lose the ability for companies  
21 like myself to -- to take on -- We love these depleted  
22 fields, and I think we've benefited the State of New  
23 Mexico by being a prudent operator and going after this.

24           And yeah, we may not know all the rules, we may  
25 not know all the engineering that this gentleman has

1 given, but we know one thing, nobody else would have been  
2 in this field trying to get the gas out of this field like  
3 we have unless we have the economic justification of a  
4 certain spacing to justify the economics.

5           And with that, I -- Like I said, I'd just like  
6 to make a little statement, you know. Me talking to the  
7 Commission right now is like me going to Jacques Cousteau  
8 and telling him, "Salt water is salty." I mean, I really  
9 don't have the experience to do it.

10           So I look to the Commission to whatever decision  
11 that you think is fair. But I also would like to say that  
12 the implications that I think go here, since they have not  
13 demonstrated that Byers-Queen is a terrible gas field that  
14 is different from all 1,800, I think the implication here  
15 of allowing spacing changes on these types of reasons  
16 should also apply to every other operator in every other  
17 gas pool out there equally.

18           And don't treat the Byers-Queen on these notions  
19 that it's a -- because it's so bad and because we got  
20 imprudent operators and because of all these other reasons  
21 that they try to make claims for, please treat it as if it  
22 is an important reservoir and it's also that the  
23 implications of your decisions should also apply to  
24 Exxon's more prolific 160 acres of gas pool out there.

25           I think it should be equal. I don't understand

1 why they don't give any distinctions why this gas pool on  
2 the rules should be treated differently. And I would like  
3 to yield to the Commission to keep that in mind when  
4 you're looking at this.

5 And with that, I do appreciate the time, and I  
6 apologize for the inefficiencies of my presentation and  
7 lack of legal wherewithal. But with that, I conclude my  
8 testimony.

9 HEARING EXAMINER: Any rebuttal, Mr. Bruce?

10 MR. BRUCE: I guess what I don't understand is  
11 -- I guess what Techsys is saying, is once it gets its  
12 well established, no one is allowed to complete against  
13 it. That's the bottom line of its presentation.

14 One other matter, Mr. Examiner. No one objected  
15 to the unorthodox location portion of the application, and  
16 I don't know if it could be referred back to the  
17 administrative docket or simply an interim order issued.

18 HEARING EXAMINER: I think it would be  
19 incorporated into whatever order we issue. In order to  
20 make the well a lawful well at this time, you would have  
21 to have both the NSL and the NSP -- Of course you could  
22 always -- unless you want to elect to dedicate it to a  
23 standard unit. If you choose to do that, then notify us  
24 and we'll just dismiss the case and issue an  
25 administrative nonstandard location. But otherwise, we'll

1 just rule on both in the same order, would seem to be the  
2 most efficient way to do it.

3 MR. BRUCE: Okay.

4 MR. BLISS: Well, since he put words in my  
5 mouth, can I have rebuttal?

6 HEARING EXAMINER: Well, I think all he said  
7 was, wasn't it, that -- I think the answer to that is no.  
8 Because if we let every attorney have surrebuttal, we  
9 would never get through with a case.

10 But I think all he said was that you didn't  
11 object to the nonstandard location, and then I heard you  
12 say exactly that. So if you're modifying that, let me  
13 know.

14 MR. BLISS: That wasn't what he said, though. I  
15 mean, I'm okay with that, but he also said that Techsys  
16 Resources is of the opinion that now that we have our well  
17 in the ground, that we don't want any other competition  
18 out there? That's absolutely not the case. Competition  
19 is great on the level of a fair playing field.

20 HEARING EXAMINER: Well, as I heard Justice  
21 Greenhill, the Chief Justice of the Supreme Court say to  
22 an attorney one time, "The Court advises you that your  
23 time is up."

24 Case No. 14271 ~~will be taken under advisement~~  
25 and this docket will stand ~~adjourned.~~ ~~heard by me on \_\_\_\_\_~~

I do hereby certify that the foregoing is  
a complete record of the proceedings in  
the Examiner's hearing of Case No. \_\_\_\_\_  
heard by me on \_\_\_\_\_

\_\_\_\_\_, Examiner  
Oil Conservation Division

1 STATE OF NEW MEXICO )  
 ) ss.  
2 COUNTY OF BERNALILLO )

3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

REPORTER'S CERTIFICATE

I, PEGGY A. SEDILLO, Certified Court Reporter of the firm Paul Baca Professional Court Reporters do hereby certify that the foregoing transcript is a complete and accurate record of said proceedings as the same were recorded by me or under my supervision.

Dated at Albuquerque, New Mexico this 25th day of April, 2009.



PEGGY A. SEDILLO, CCR NO. 88  
License Expires 12/31/09