

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
State Land Office Building
Santa Fe, New Mexico

5 June 1985

EXAMINER HEARING

IN THE MATTER OF:

Application of Cities Service Oil
and Gas Corporation for pool
creation and contraction, and
assignment of a discovery allow-
able, Lea County, New Mexico.

CASE
8624

BEFORE: Gilbert P. Quintana, Examiner

TRANSCRIPT OF HEARING

A P P E A R A N C E S

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MR. QUINTANA: And now we'll call Case 8624.

MS. LUNDERMAN: Application of Cities Service Oil and Gas Corporation for pool creation and contraction and assignment of discovery allowable, Lea County, New Mexico.

MS. AUBREY: Karen Aubrey, Kellahin and Kellahin, representing the applicant.

I have one witness to be sworn.

MR. QUINTANA: Are there other appearances in this case?

If not, would you please stand up and be sworn in at this time?

(Witness sworn.)

MS. AUBREY: Mr. Quintana, before I question the witness I'd like to make a brief statement for the record.

I have marked as our Exhibit Eleven a copy of a letter from the Division geologist stating that the Division has no objection and in fact supports Cities' application for a new pool and discovery allowable.

I do not know whether or not

1 you have received a copy of that letter. It's dated June
2 4th, 1985.

3 Apparently this is similar to a
4 letter which had been previously sent to Santa Fe after a
5 meeting between the geologist, Jerry Sexton, and Jane Barton
6 of Cities Service.

7 Rule 509 provides that in the
8 absence of objection by the Division a case of this type
9 will be put on the nomenclature docket and called in that
10 manner instead of being called on the hearing docket with
11 witnesses and lawyers present.

12 In the event that there is an
13 objection by the Division then properly a case of this na-
14 ture would be presented in a formal hearing as we're doing
15 today.

16 I want the record to reflect
17 that Cities has expended time, money, and effort in prepar-
18 ing a case, which, in our opinion, should have been put on
19 the nomenclature docket because of the support of the Divi-
20 sion and the lack of objection by any offsetting operator
21 or, in fact, anyone else, to this case.

22 I want the record to be clear
23 that we are not here operating under the portion of Rule 509
24 which provides that the applicant may request a hearing and
25 choose to have the matter come on for a formal hearing.

1 JANE BARTON,
2 being called as a witness and being duly sworn upon her
3 oath, testified as follows, to-wit:

4

5

DIRECT EXAMINATION

6 BY MS. AUBREY:

7 Q Would you state your name, please, for
8 the record.

9 A Jane Barton.

10 Q And where are you employed?

11 A Cities Service Oil and Gas Corporation in
12 Midland, Texas.

13 Q And what's your occupation, Ms. Barton?

14 A I'm a Regional Exploration Geologist.

15 Q Have you previously before the Oil Con-
16 servation Division and had your qualifications made a matter
17 of record?

18 A No, I have not.

19 Q Would you explain for the Examiner where
20 you obtained your professional degree and what your work ex-
21 perience in the field of geology has been?

22 A I attended Texas Tech University in Lub-
23 bock, Texas, and was degreed in 1980, and I began working
24 with Cities Service in November of 1981.

25 Q Do you supervise any geologists for

1 Cities Service at the present time?

2 A Yes. Currently I have four geologists
3 that work under me.

4 Q And what is your area of responsibility
5 for Cities Service?

6 A I'm Regional Geologist for southeastern
7 New Mexico and Four Corners Division.

8 Q Are you familiar with the application
9 that Cities Service has filed in being here today?

10 A Yes, I am.

11 MS. AUBREY: Mr. Examiner, I
12 tender Ms. Barton as an expert witness in the field of geo-
13 logy.

14 MR. QUINTANA: She is consid-
15 ered as an expert witness.

16 You may proceed.

17 MS. AUBREY: Thank you.

18 Q Ms. Barton, Cities is here today seeking
19 an oil discovery allowable for what you will prove to be a
20 bona fide discovery well, is that correct?

21 A Yes.

22 Q And it will be Cities proof that the for-
23 mation from which your well is producing constitutes a new
24 source of supply not common to the Corbin Queen Pool, is
25 that correct?

1 A That is correct.

2 Q In addition, Cities seeks the contraction
3 of the Corbin Queen Pool as set forth in the application
4 filed in its motion, is that correct?

5 A Yes.

6 Q In your review of the New Mexico rules ^{and} ~~of~~
7 the geology, Ms. Barton, is it your opinion that distance
8 from current production is not a criteria for an old (not
9 understood) allowable?

10 A That's true, that distance is not a cri-
11 teria.

12 Q And in terms of the allowable you are
13 seeking, can you tell the examiner what the allowable would
14 be without the additional oil discovery allowable and the
15 per barrel additional allowable we are seeking?

16 A Currently we are allowed to produce 80
17 barrels per day. If it is designated as a discovery, we
18 would gain an additional 29 barrels, which would be a total
19 of 109.

20 Q And that's based on Rule 509's position
21 for 5 barrels for each foot of depth from the surface, is
22 that correct?

23 A Correct.

24 Q Let me ask you some questions about the
25 Cities Service well that we're talking about today, the Fed-

1 eral AA Well No. 1.

2 Do you know the completion date of that
3 well?

4 A Yes, I do. It was March 31st, 1985.

5 Q And would that be the date from which the
6 increased allowable would run in the event it's granted by
7 the examiner?

8 A I believe it would be April 1st, would be
9 the date that we would start from, according to the -- to
10 the rules.

11 Q Let me have you turn now to the exhibits
12 which have been prepared; have you look at Exhibit Number
13 One.

14 There's a circle drawn on that map. Can
15 you explain to the examiner what that circle is and what
16 wells and other information are shown on that exhibit?

17 A Yes. This is a map that was done in com-
18 pliance with our application. It's a production map. The
19 circle is a 2-mile radius from our well in Section 9, the
20 No. 1 Federal AA.

21 The green colored dots are Queen produ-
22 cers; the pink are Yates; red is San Andres; purple is Abo
23 Reef production.

24 Q Are there also some Queen gas wells shown
25 on this map?

1 A Yes, there are two Queen gas wells lo-
2 cated in Section 10 to the east of our well.

3 Q Does Exhibit One show all the producing
4 oil and gas wells and their formations within the 2-mile
5 radius of your well?

6 A Yes, it does. It also indicates dry
7 holes and the depths to which those were drilled.

8 Q Do you have any additional testimony
9 about Exhibit Number One?

10 A No, I do not.

11 Q Let me refer you to Exhibit Number Two.
12 It's a two part exhibit. We've marked it Exhibit Two and
13 Two-A.

14 It appears to be an electrical log of the
15 Federal AA No. 1.

16 Can you -- can you look at that and indi-
17 cate for the Examiner the productive zones in the area?

18 A Yes. The productive zones in the area
19 are noted with a green dot associated with a particular for-
20 mation.

21 Of particular interest in this exhibit is
22 productive formation of the No. 1 Federal AA, which is the
23 Queen Shattuck member. The pumped interval is 4228 to 4238,
24 a 10-foot zone, which calculates out as 25 percent porosity
25 and 40 percent water saturation.

1 This is important aspect of the case in
2 that this has extremely high porosity. Most of the adjacent
3 Queen producers in producing fields have an average of 17 to
4 20 percent porosity.

5 Q In fact, can you testify that you found a
6 significant difference in porosity between your Federal AA
7 No. 1 and the other Queen wells in the area?

8 A Yes.

9 Q Exhibit Number Two is also an exhibit
10 which was required with the C-109, is that correct?

11 A That is correct.

12 Q Let's turn now to Exhibit Number Three,
13 which is a Queen IP map.

14 Can you first of all tell the Examiner
15 where you obtained the production information that's shown
16 on this map?

17 A The initial production on the potential
18 test of all the wells was derived from scout tickets.

19 The accompanying Exhibit Number Four, the
20 cumulative production was derived from New Mexico Oil and
21 Gas Engineering Commission books, which are sent out yearly.

22 Q Let's look at Exhibit Number Three. Can
23 you explain to the examiner what that shows?

24 A Yes. When I started working in the area
25 in regard to the Queen formation, I wanted to determine

1 whether in fact we could separate our production from the
2 No. 1 Federal AA from all surrounding Queen production.

3 It is true that in this particular area
4 the Queen formation produces from the Shattuck member; how-
5 ever, within that upper sand member there are discontinuous
6 sands and discontinuous porosity zones and I went in to try
7 to determine what the difference between the various sands
8 might be and to come up with a depositional model.

9 That model is that during the time of de-
10 position the Capitan Reef is brimming the northern part of
11 the Delaware Basin.

12 The Shattuck member of the Queen forma-
13 tion is depositing a lagoonal type setting. In this type of
14 setting any small fluctuation of sea level will dramatically
15 affect the type of facies that you would encounter. Even a
16 minor variance of maybe five to ten feet would give you a
17 difference in your facies and the productive facies of the
18 Shattuck member is typically called the gray sand, which is
19 a porous, very clean sand. That was deposited at adequate
20 water depths to where evaporites (sic) did not form.

21 Now if you move depositionally up dip, in
22 this area it would be to the north, you would encounter
23 sands that have their porosity occluded by the formation of
24 anhydrites due to the evaporation of water.

25 Now this is not merely one band of gray

1 sand and one band of tight, red sand. Due to fluctuations
2 in the sea level, you have interfingering and have several
3 series of different, very discontinuous sands and discontin-
4 uous porosity trends.

5 And that is basically what this diagram
6 shows, modeling from the EK Queen Field noted on this map.

7 Q And that would be to the right of this
8 map, is that correct?

9 A Right, to east.

10 Q Okay.

11 A We have inferred that there is a channel-
12 like system which actually feeds the main productive portion
13 of the EK Queen Field down more in the center of the map.

14 Now, these are very different types of
15 sands and that is also evidenced by the fact that if you
16 have a good IP on a well, say it flowed 600 barrels, that
17 does not necessarily mean it will be one of the best cumula-
18 tive production wells in the area.

19 In fact, some of your poorer IP wells
20 that are pumpers or flow maybe 10 to 20 barrels a day, ac-
21 tually have cumed hundreds of thousands of barrels. So
22 that's an indication to me that there is a marked difference
23 in the types of sand within the Shattuck member.

24 And the time lines that are drawn on here
25 are interpretive and they basically show that there were

1 different times of deposition and they did result in differ
2 ent types of sands.

3 If you look between lines, time lines 2-1
4 and -- time lines 1 and 2, excuse me, you will notice that
5 several of those wells IP'ed, there's one that flowed 600
6 barrels a day and it only cumed 29,000. That indicates that
7 it has very good reservoir quality but it is limited in ex-
8 tent and I've interpreted this to be more like your strand
9 line sand and that time line would also equate over to our
10 area where we also have a very good initial potential and to
11 this date, hopefully, we hope to get good production, but it
12 seems to be more characteristic of the limited reservoirs.

13 Now in the lower part, below time line 1,
14 would be more like a sand delta system where you have a more
15 continuous period of deposition; the reservoir is larger in
16 extent, and also your initial potential may be lower due to
17 clays, or whatever, in your matrix. You will -- you will
18 get better production.

19 Q Let me have you look now at your Exhibit
20 Four, which is a cumulative production map. And I think it
21 might be helpful to put Four and Three up on the wall here
22 so that you can talk about them together and compare them.

23 Let me have you look at Exhibit Four on
24 which is mapped the cumulative production and compare that
25 to Exhibit Number Three.

1 A Originally when this work was done, this
2 were a series of overlays, but due to the fact that they
3 were folded and put in folders, it was not a good idea to
4 have overlays, so more or less you have to envision an over-
5 lay.

6 It's basically what I just explained,
7 that your IP's, your best IP's do not only correspond to
8 your best cumulative production.

9 The blue on Exhibit Four is the best pro-
10 duction and the purple represents the poorest production.

11 Now there are some wells outside these
12 colors that have cums less than 25,000, and (not under-
13 stood.)

14 One thing that's very evident from this
15 is this play is a combination of structure and stratigraphic
16 aspects; however, the stratigraphy is the controlling factor
17 on this production.

18 Structure does play a part when you get
19 to the very edge of this field and you will start seeing
20 evidence of oil/water contact, evidenced by water in your
21 IP.

22 Q Let me have you stay there and we'll put
23 up Exhibit Five because of it's size.

24 Let me have you look at Exhibit Number
25 Five, which is a cross section from D-D', and explain what

1 that shows to the examiner.

2 A Okay, this is our cross section I con-
3 structed in conjunction with trying to establish an environ-
4 ment of deposition.

5 It's a north/south cross section over a
6 matrix which affects the entire field, and what I learned by
7 doing this cross section is that although this field is a
8 continuous producing zone, that it is interspersed with dry
9 holes in the field.

10 Now this dry hole swabbed 3 barrels of
11 oil and 6 barrels of water and the porosity is much lower
12 than the wells which are (not understood) to it.

13 Down dip from the dry hole we have a well
14 that actually flowed 600 barrels, so there's really no doubt
15 that these two reservoirs are not connected; there's no way
16 they could be.

17 Proceeding even further down dip we en-
18 counter a well which is depicted by -- several of your cross
19 sections will have these. These are wells that were drilled
20 in the forties and they were either not logged or the films
21 have subsequently been lost and I have no way of acquiring
22 that information, so I basically drew in six figures and put
23 scout ticket information as far as tops, perforations and
24 (not understood.)

25 The key on this well, it was cored in the

1 Queen and then it covered 46 feet of the red, tight, anydri-
2 tic sand, an indication that there was a dramatic facies
3 change by a difference in sea level and also a difference in
4 time of deposition.

5 Again down dip from this well you again
6 have a producer.

7 Q Let's look at Exhibit Six now, which goes
8 from A-A'.

9 The A to A' cross section shown on Exhi-
10 bit Six includes the Cities Service No. 1 Federal AA, is
11 that right?

12 A That's correct.

13 Q Will you look at that exhibit and tell
14 the examiner what that shows about the continuity of the re-
15 servoir?

16 A Okay. The next three cross sections
17 we'll be looking at are done after having come up with an
18 environment of deposition and also establishing the fact
19 that the porosity zones and/or sands are discontinuous in
20 the Shattuck member of the Queen formation.

21 This cross section will separate us from
22 the Queen producers in Section 5 and 6 and there is a Queen
23 producer that was plugged in 1946 in Section 9 that will al-
24 so separate us from the EK production further to the south-
25 east.

1 This well is in Section 5, the Indian
2 Wells Well. It is a Queen producer and it IP'ed pumping 19
3 barrels of oil per day, plus 1 barrel of water.

4 I suggest to you this is a stratigraphi-
5 cally younger sand than the sand which we are producing from
6 in the No. 1 Federal AA for my correlation.

7 Also, there is evidence that it is a dif-
8 ferent sand, due to the difference in IP's. We IP'ed well
9 over 400 barrels of oil per day and no water.

10 If these were connected, this well is
11 structurally up dip, it should have been a flowing well and
12 it is not.

13 Proceeding to the south and east, the
14 Helmerich Kane No. 4-A is a Yates producer and it is still
15 producing out of the Yates; however, it did drill into the
16 Queen formation and perms were noted at 4290 to 4309. Water
17 was noted in the recovery; there was no indication of hydro-
18 carbons.

19 This established an oil/water contact be-
20 tween our well, the No. 1 Federal AA, and the Queen producer
21 which was plugged in 1946 and Helmerich Kane No. 2, which is
22 also located in Section 9, this well actually pumping 90
23 barrels of oil per day plus 4 barrels of water.

24 To proceed further to the southeast, the
25 No. 1 Federal AA is separated from this representative well

1 of the EK Queen Field by a dry hole in Section 15. This is
2 Cities Service No. 1 State B.

3 They cored the Queen interval and re-
4 covered 56 feet of anhydritic, tight, red sand, another in-
5 dication of a marked facies change and discontinuity of
6 porous sand.

7 Q Ms. Barton, what is the color of sand
8 that you have found in the Cities well, the No. 1 Federal
9 AA?

10 A The productive interval in the Cities
11 well is a gray, porous sand.

12 Q Let me have you look now at Exhibit Num-
13 ber Seven, which is a cross section from B to B' and can you
14 look at that and show -- what that exhibit -- tell what that
15 exhibit shows about the continuity of the reservoir?

16 A B to B' is basically a west to east cross
17 section and will demonstrate that we are separated from the
18 Queen producer that was plugged in 1946 in Section 10 and
19 also the two Queen gas wells in Section 10.

20 The Cities Service No. 1 Federal AA being
21 here. It's separated from the Queen producer in 10 by a
22 (not understood) No. 5 Corbin Federal, which is a Yates pro-
23 ducer. It also penetrated the Queen formation, perfed 4262
24 to 4292 and swabbed 3 barrels per day plus 50 barrels of
25 water; again an indication of oil/water contact separation

1 of reservoirs.

2 There's no doubt in my mind that we are
3 separated from the gas wells due to the fact that on top of
4 the Queen formation, and also using the top of what appears
5 to be the productive formation, these two gas wells are
6 either flat or low to our oil producer, so that is definite
7 indication that there is a separation of the reservoirs.

8 Just for the record, this well was never
9 produced and the Cities Service No. 1 Corbin B was produced
10 for a time but was plugged in 1974 and it only produced gas;
11 they did not record any oil.

12 Q Let me have you look now at the last
13 cross section, which runs from C to C', and explain what
14 that shows.

15 A C to C' is a north/south cross section
16 which separates the production from the No. 1 Federal AA
17 from the northern portion of the Corbin Queen Field.

18 This is a representative log of the Cor-
19 bin Queen production. Perfs were not recorded in this well.
20 It is an open flow completion.

21 It flowed 130 barrels of oil.

22 I've noted what I thought was the prob-
23 able producing zone due to the porosities found in the lower
24 portion of the Queen formation.

25 When we proceed down dip to Section 4,

1 this is an on-going producing Queen well. At the time this
2 cross section was drawn I was not able to locate a log. We
3 do not have a log in our files nor our microfiche, and PI,
4 Petroleum Information, did not have a film available.

5 When I went over to Hobbs and discussed
6 this with Paul and Jerry Sexton, they did have form on file
7 but it did not alter my interpretation, so I did not go back
8 and have this re-drafted.

9 This log is still producing in the Queen
10 and it IP'ed pumping 10 barrels of oil per day.

11 Massive perms were noted on the scout
12 ticket, although I'm sure the entire interval was not per-
13 forated, just selected porosity zones were, I had to go
14 ahead and note it on the map.

15 Continuing to Section 3, the Cities Ser-
16 vice No. 1 Stoltz, Wagner, and Brown, it was drilled to the
17 Morrow and was a dry hole.

18 The Shattuck member of the Queen forma-
19 tion was never tested, nor was it cored; however, log
20 analysis indicates it has 6 to 8 percent porosity and sample
21 descriptions of the section describe it as a red, anhydritic
22 sand. So you have evidence that there is a radical facies
23 change in here and from the time lines on the previous
24 exhibit, this is an area where I would expect to have a band
25 of tight, anhydritic sand, which would be the seal for our

1 No. 1 Federal AA.

2 So separation of our well in Section 9 is
3 established from the Corbin Queen.

4 Q Let me have you sit down, Ms. Barton.

5 From the information shown on the cross
6 sections, can you conclude that there are substantial poro-
7 sity differences between the Queen production which you have
8 shown and the production -- the Corbin Queen production
9 which you have shown and the Queen production which you have
10 achieved in your well?

11 A Yes.

12 Q Let me have you look at Exhibit Nine,
13 which is a structure map. As I understand your testimony,
14 you've indicated that structure is not particularly important
15 in determining the limits of the reservoir we're talking
16 about.

17 A No, structure is an aspect but strati-
18 graphy is the controlling factor and is the key to develop-
19 ing this play.

20 Q And now let me have you turn to Exhibit
21 Number Ten, which is a copy of the Form C-109 which has been
22 filed. Have you checked Cities' records and determined that
23 all the operators listed on the C-109 in fact received
24 copies of your -- of your filing with the Commission?

25 A Yes. All persons named here were mailed

1 a copy and we followed up by telephone conversation to make
2 sure they had received them in the mail, and they had.

3 Q And no objections were registered by
4 anyone, to your knowledge?

5 A Not to my knowledge.

6 Q To your knowledge there are no letters of
7 objection or other indications of objection in the Commis-
8 sion's files?

9 A No.

10 Q Exhibit Ten shows the bottom hole pres-
11 sure of the well.

12 A I believe it is contained on some of the
13 engineering reports. There's a graph associated with Exhi-
14 bit Ten that has all the pressure data information.

15 Q That would be in the letter dated April
16 9th to Cities from V. A. Warren (sic)?

17 A Yes.

18 Q Was this well cored, Ms. Barton?

19 A No, it was not cored in the Queen forma-
20 tion.

21 Q Do you know what the gas/oil ratio of the
22 well is?

23 A 110.

24 Q Do you produce any water from this well?

25 A To date for every barrel of oil that we

1 produce, we produce a trace of water, but nothing signifi-
2 cant.

3 Q And how much gas does this well produce?

4 A It IP'ed 53 MCF per day. I believe that
5 has declined.

6 Q Is it Cities' intention to produce this
7 well at the increased allowable over a 2-year period in ac-
8 cordance with the provisions of Rule 509 and to limit the
9 allowable as provided in Rule 509?

10 A Yes.

11 Q Were Exhibits One through Ten which have
12 been discussed today prepared by you, under your supervision
13 and control, or by other people at Cities Service?

14 A Yes.

15 Q And have you reviewed them for their ac-
16 curacy?

17 A Yes, I have.

18 Q Will the granting of this application pro-
19 tect correlative rights, promote conservation, and prevent
20 waste?

21 A Yes.

22 MS. AUBREY: Mr. Examiner, I
23 tender the exhibits in evidence and the witness for cross
24 examination.

25 MR. QUINTANA: Do you have any

1 questions of the witness, Mr. Carr?

2 Any statements?

3 I have no questions myself.

4 MR. STOGNER: Mr. Quintana?

5 I'm Michael Stogner, petroleum engineer with New Mexico Oil
6 Conservation Division here in Santa Fe.

7 A Okay.

8

9 CROSS EXAMINATION

10 BY MR. STOGNER:

11 Q Ms. Barton, let us refer to the letter of
12 January 4th, 1985, from Mr. Paul Kautz, and it says in there
13 that last April Jerry Sexton, Paul Kautz, and yourself had a
14 meeting down in Hobbs to discuss this matter.

15 What was discussed at that meeting and
16 what -- what was the purpose of that meeting?

17 A Prior to that meeting we had submitted a
18 packet similar to this, two copies to the Oil and Gas Con-
19 servation Commission and one was sent here to Santa Fe.

20 At that time they believed that they had
21 a point of contention. They didn't agree with our interpre-
22 tation.

23 So myself and Dick Scott, who is my
24 supervisor, now the General Manager, excuse me, Geologic
25 Manager in the Midland office, went to Hobbs and discussed

1 the matter.

2 The packet then was a little different
3 than this one. The cumulative production map and the IP map
4 were not drafted at that time. They were just work copies,
5 but they were presented at that meeting.

6 The contention then of Paul was that we
7 could not be separated from the Corbin Queen to the north.
8 The well in Section 4 was his point of contention; however,
9 after discussion, they agreed that they would not oppose our
10 application for a discovery allowable and they -- and the
11 letter stated they supported our application.

12 Q At that time did you request, or did
13 Cities request that the OCD include this in the regular no-
14 menclature case?

15 A I do not handle that and I'm not exactly
16 sure why we were not put on your regular nomenclature doc-
17 ket.

18 Q So you weren't there for those discus-
19 sions?

20 A No, that is handled by Gene Motter in my
21 company, who is not present here today.

22 Q Did they, Mr. Motter, give you any indi-
23 cation of why it was not put on nomenclature or why you are
24 down here today, or sent here today?

25 A No, he did not.

1 Q How long have you been working on this
2 study?

3 A I have been working on it since April
4 1st. When the well was drilled it was, the primary objec-
5 tive was Bone Springs and/or Morrow; Queen was considered a
6 secondary objective in the area.

7 Due to the shallow nature and also the
8 development of the Queen in the area, that study had mainly
9 been on-going in our Production Department, not in the Ex-
10 ploration Department, which I'm a part of.

11 Q When was the meeting between yourself,
12 Jerry Sexton, and Mr. Paul Kautz, when was that in April?

13 A I believe it was either the last day of
14 April or the first day of May. I cannot be exact on that
15 date.

16 Q Did Cities put any more effort or any
17 more studies between that meeting and today's hearing?

18 A Yes. I had the cumulative production
19 map, the IP map drafted. I revised them somewhat, mainly
20 just tidying them up, basically, from work maps.

21 I also constructed the dip cross section
22 over the EK Queen Field. I constructed that and had it
23 drafted, also, as supporting evidence of a model that we
24 were using in the area.

25 Our Production Department is also contin-

1 uing to study this in more detail because we naturally are
2 going to develop this porosity in the area. We are a major
3 land holder, a leaseholder in the area.

4 Q This work that you just described to me,
5 if we look at all the evidence that you presented here to-
6 day, if we call that 100 percent, what percentage of the
7 work that you just mentioned to me makes up for the work
8 done between April 30th and today, roughly?

9 A Maybe 25 percent.

10 Q So about 25 percent of the evidence pre-
11 sented today was not available at the meeting in Hobbs be-
12 tween yourself and Mr. Paul Kautz and Mr. Jerry Sexton, is
13 that right?

14 A It was available. It was not available
15 in this form.

16 Q How was it available?

17 A They had the work copies of the IP map and
18 the cumulative production map.

19 The only thing that was probably not in
20 the packet that is in the packet here presently is the dip
21 cross section over EK Queen Field.

22 Q So essentially all the work had been done
23 previous to the meeting in Hobbs.

24 A Yes.

25 Q So Cities had put out all the expenditure

1 and all the work prior to the meeting in Hobbs.

2 A There's a great deal of money and time
3 wrapped up in the drafting of this additional packet; were
4 also drafted for this hearing.

5 MR. STOGNER: Mr. Quintana, I
6 have no further questions of the witness.

7 MS. AUBREY: Mr. Quintana, may
8 I ask an additional question?

9 MR. QUITNANA: Yes.

10

11

REDIRECT EXAMINATION

12 BY MS. AUBREY:

13 Q Ms. Barton, does Cities have a suggested
14 limit for the new pool which you have found in your No. 1
15 Federal AA?

16 A Yes. We're suggesting that the northeast
17 quarter of Section 9 be established as the pool limit.

18 Q And that the Corbin Queen Pool be con-
19 tracted -- contracted as set forth in the application on
20 file with the Commission?

21 A Yes.

22 MS. AUBREY: I believe that's
23 all I have, Mr. Quintana.

24 MR. QUINTANA: I have no fur-
25 ther questions of the witness but I do have a statement.

1 Do you want to introduce these
2 exhibits?

3 MS. AUBREY: Mr. Quintana, I
4 believe I tendered them, but I will do that again, if you
5 like.

6 MR. QUINTANA: Exhibits One
7 through Eleven will be entered as evidence.

8 I have no further questions of
9 the witness, but, Ms. Aubrey, in reference to your statement
10 at the beginning of the hearing dealing with this case being
11 put on instead of going through a standard administrative
12 procedure, I would like to clarify the reasons why this did
13 come for hearing.

14 I realize that there was a lot
15 of money expended in preparing this case and having your
16 client come up here.

17 I guess this rule, what rule
18 would it be, Rule 509 on Page G-5 of the General Rules and
19 Regulations, the middle paragraph there gives you the option
20 to bring a pool before a -- a pool discovery like this be-
21 fore a hearing, and even though our District office does not
22 object to the presentation of this material and that they
23 agree with your interpretation, if the Division was ever
24 questioned and -- as to the authenticity of this data and to
25 back up that pool extension or pool contraction, we at the

1 Division would not be able to back it up.

2 So our District Supervisor,
3 Jerry Sexton, thought it was a good idea exercising our op-
4 tion to have the case be heard anyway, so this matter would
5 be on the record, even though they were not objecting to it,
6 and that is the reason it ended up coming before a hearing.

7 And I just wanted to state that
8 for the record so that, you know, it would be known why this
9 came before a hearing, that we weren't doing it maliciously
10 just to have you guys come up here and present data that --
11 because I would never, myself, would never want anybody to
12 come in here and present data without a reason for it, and
13 that was the reason for it.

14 Are there further questions of
15 the witness?

16 If not, the witness may be
17 excused.

18 Case 8624 will be taken under
19 advisement.

20 MS. AUBREY: Thank you.

21

22 (Hearing concluded.)

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C E R T I F I C A T E

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that the foregoing Transcript of Hearing before the Oil Conservation Division was reported by me; that the said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability.

Sally W. Boyd CSR

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 8624 heard by me on JUNE 5 1985.

Gilbert P. Quintana Examiner
Oil Conservation Division