PAUL BACA PROFESSIONAL COURT REPORTERS

- 1 (Note: In Session at 9:45.)
- 2 HEARING EXAMINER BROOKS: We will go back
- 3 on the record. At this time we will call Case No.
- 4 14504, Application of Celero Energy II, LP to amend
- 5 the unit agreement and the unit operating agreement
- 6 for the Rock Queen Unit and for statutory
- 7 unitization and Case No. 14505, application of
- 8 Celero II, LP to expand the water flood project and
- 9 institute a tertiary recovery project for the Rock
- 10 Queen Unit and to qualify the project for the
- 11 recovered oil tax rate, Chaves and Lea Counties, New
- 12 Mexico. Call for appearances.
- 13 MR. KELLAHIN: Jim Bruce of Santa Fe
- 14 representing the applicant. I have three witnesses.
- 15 HEARING EXAMINER BROOKS: Are you going to
- 16 be requesting to consolidate the two cases for the
- 17 purposes of the hearing?
- MR. KELLAHIN: Yes, sir.
- 19 HEARING EXAMINER BROOKS: I anticipated
- 20 that. Cases No. 14504 and 14505 will be
- 21 consolidated for the purposes of the hearing. Would
- 22 the witnesses please stand and identify themselves?
- 23 (Note: Witnesses Jim Gresham, John Baker
- 24 and Michael Metza sworn.)
- 25 HEARING EXAMINER BROOKS: You may proceed,

- 1 Mr. Bruce.
- 2 JIM GRESHAM
- 3 EXAMINATION
- 4 BY MR. BRUCE
- 5 Q. Would you please state your name and city
- 6 of residence?
- 7 A. My name is Jim Gresham. I live in Fort
- 8 Worth, Texas.
- 9 Q. And who do you work for and in what
- 10 capacity?
- 11 A. I am a Certified Professional Landman. I
- 12 work for Solero Energy II LP, and my position is
- 13 Land Director.
- 14 Q. Have you previously testified before the
- 15 Division?
- 16 A. No, I have not.
- 17 Q. Would you summarize your educational and
- 18 employment background for the examiner.
- 19 A. Yes, sir. I graduated from the University
- 20 of Texas with a petroleum land management degree in
- 21 December of 1977. I spent three years with Getty
- 22 Oil Company and I moved to Corpus Christi in 1980
- 23 and I worked for Cox Oil and Gas, an independent out
- 24 of Dallas, Texas, for about 13 years. After that I
- 25 worked for a number of different independent oil

- 1 companies, one of which was Pure Resources. I went
- 2 to work for them in 2000, and some of the founders
- 3 of Pure Resources ultimately were the founders of
- 4 our company, Solero. I moved to Fort Worth about a
- 5 year ago to go to work for Solero.
- 6 Q. Does your area of responsibility at Solero
- 7 include this portion of southeast New Mexico?
- 8 A. Yes, it does.
- 9 Q. Are you familiar with the land matters
- 10 involved in the application?
- 11 A. I am.
- MR. BRUCE: Mr. Examiner, I tender
- 13 Mr. Gresham as an expert petroleum landman.
- 14 HEARING EXAMINER BROOKS: So qualified.
- 15 Q. Mr. Gresham, could you summarize what
- 16 Celero seeks in the two cases?
- 17 A. Yes, sir. Under Case 14504 Celero seeks
- 18 to amend the unit agreement of the unit operating
- 19 agreement and statutorily unitize all working
- 20 interest owners and unitize Queen Formation
- 21 underlying the 4939.77 acres of state, federal and
- 22 fee lands of Chaves and Lee Counties, New Mexico.
- 23 Also in Case 14505 Celero seeks approval to
- 24 institute a tertiary recovery project.
- Q. What is the unitized interval?

- 1 A. It's the Queen Sand as a member of the
- 2 Queen Formation Guadalupe Series and part of the
- 3 Permian system. The top of the interval is found at
- 4 3050 feet and the base is at 3066 feet. That's as
- 5 seen on the gamma ray neutron log for the Gulf Oil
- 6 Company, State of New Mexico BMC Well No. 1. That
- 7 well is in the southeast quarter of the southeast
- 8 quarter of Section 23, Township 13 south, Range 31
- 9 East. The unitized formation includes all
- 10 subsurface points throughout the unit area
- 11 correlative to these dips.
- 12 Q. What is the history of this unit? I refer
- 13 you to Exhibit 1.
- 14 A. The unit was formed in 1959. It was
- 15 approved by Case No. 1798 and by Commission Order
- 16 No. R 1541. The water flood operations have been
- 17 conducted in the unit ever since.
- Q. And the Commission's order is marked as
- 19 Exhibit 1?
- 20 A. Yes, it is.
- Q. Was the unit agreement approved by the
- 22 Bureau of Land Management and the State Land Office
- 23 in 1959 or 1960?
- 24 A. Yes, they were.
- Q. And what are Exhibits 2 and 3?

- 1 A. Exhibits 2 and 3 are the unit agreement
- 2 and the unit operating agreement respectively.
- 3 Q. The existing ones?
- 4 A. The existing ones, correct.
- 5 Q. Was the unit formed before the Statutory
- 6 Unitization Act was enacted?
- 7 A. Correct. As a result, joinder of the unit
- 8 was voluntary.
- 9 Q. Now, please identify Exhibit 4 for the
- 10 examiner.
- 11 A. Exhibit 4 is a land plat that outlines the
- 12 unit area and identifies the separate tracts which
- 13 comprise the unit area. There are 44 tracts within
- 14 the unit.
- 15 Q. Now, the unit is already in existence and
- 16 it's been around for some 50 years. Why are we here
- 17 today?
- 18 A. Well, Celero purchased this property in
- 19 June of 2007 with the intent to redevelop the water
- 20 flood project and to institute a tertiary project.
- 21 The redevelopment could potentially encompass 60
- 22 injection wells and 60 producing wells. Our
- 23 expenditure could be over 65 million dollars. When
- 24 the unit was formed, it was voluntary. About 3.015
- 25 percent of the working interest owners did not

- 1 ratify the unit. The existing unit operating
- 2 agreement has certain conditions that allow small
- 3 working interest owners to block expenditures for
- 4 the unit operations. That is contained in Article
- 5 4.3.2 of the Unit Operating Agreement.
- 6 What that provision provides is should a
- 7 party own 50 percent or more of the working
- 8 interest, it requires the joinder of two additional
- 9 parties with their cumulative interest being 10
- 10 percent. Celero, by itself, owns about 99.6
- 11 percent, so effectively it is impossible to
- 12 accomplish that.
- Because this project is expensive, Celero
- 14 wants to ensure that all working interest parties
- 15 are subject to an updated operating agreement. As a
- 16 result we are amending the unit agreement and the
- 17 unit operating agreement.
- 18 Q. What is Exhibit 5?
- 19 A. Exhibit 5 is the proposed amended unit
- 20 agreement. It's a standard form used by the State
- 21 Land Office and is similar to agreements approved
- 22 previously by the Division. The unit agreement
- 23 describes the unit area and the unitized formation.
- 24 The unitized substances include all oil and gas
- 25 produced from the unitized formation. This

- 1 agreement designates Celero Energy II LP as the
- 2 operator.
- 3 Q. And does the copy submitted to the
- 4 Division contain signature pages from the working
- 5 interest owners who at this time have signed or
- 6 agreed to the amended unit?
- 7 A. That's correct. Celero, as operator and
- 8 working interest party is one of the parties.
- 9 Circle Ridge Production, Inc., another nonoperating
- 10 party, also executed the agreements as well as
- 11 Manford Production Company.
- 12 O. What is Exhibit 6?
- 13 A. Exhibit 6 is the proposed unit operating
- 14 agreement. It sets forth the authorities and duties
- 15 of the unit operator as well as the apportionment of
- 16 expenses between the working interest owners.
- 17 Q. And again, has this been -- does it
- 18 contain the signature pages for the various parties
- 19 who at this time have signed on to the amended unit
- 20 operating agreement?
- 21 A. That's correct. All three have executed
- 22 the agreement as well.
- 23 Q. Does the amended unit operating agreement
- 24 contain a provision for carrying working interest
- 25 owners?

- 1 A. It does. That's in Article 11.4.
- 2 Q. Does it also provide for a penalty against
- 3 nonconsenting working interest owners?
- 4 A. Yes, 11.8.
- 5 Q. Does the statutory unitization and amended
- 6 unit operating agreement?
- 7 A. Yes, it does. In fact, submitted as
- 8 Exhibit 7 are portions of the act which specifically
- 9 allow the amendments to the plan of unitization. It
- 10 also provides that tract participation factors
- 11 previously approved shall remain the same after the
- 12 amendment.
- Q. And was tract participation agreed upon
- 14 when the unit was originally formed?
- 15 A. It was. A listing of the participation
- 16 factors is attached as Exhibit 8. These factors
- 17 will be used in the amendment.
- 18 Q. And the participation factors in the -- I
- 19 guess the Column 3, the participation factor column,
- 20 have been used since the inception of the unit?
- 21 A. That's correct.
- 22 Q. Now, regarding ownership of the tracts
- 23 within the unit, would you describe the tract
- 24 ownership and how you determine the names of the
- 25 interest owners?

- 1 A. Well, the unit tracts are formed according
- 2 to common mineral ownership. If you go back to
- 3 Exhibit No. 5, the amended unit agreement, and look
- 4 at Exhibit B, you will find a tract-by-tract
- 5 listing. This information is from current division
- 6 order records.
- 7 Q. And how many interest owners are there in
- 8 the unit area?
- 9 A. Currently there are ten working interest
- 10 owners. There's 57 royalty owners and 42 overriding
- 11 royalty interest owners.
- 12 Q. Who are the working interest owners? I
- 13 refer you to Exhibit 9.
- 14 A. Exhibit 9 sets out all the interest of the
- 15 parties. The ones highlighted in yellow are the
- 16 parties that have not ratified the two agreements.
- 17 Q. So everyone in yellow has not signed on to
- 18 the amended documents?
- 19 A. That's correct.
- Q. And what is the total percentage of
- 21 working interest owners who have voluntarily
- 22 ratified the unit?
- 23 A. 99.638249 percent.
- Q. Do you seek to unitize the royalty and
- 25 overriding royalty owners?

- 1 A. No we do not. They will receive the same
- 2 interest they currently have. Since they are
- 3 unaffected, we do not seek statutory unitization
- 4 from them.
- 5 Q. Have the Commissioner of Public Lands and
- 6 the BLM preliminarily approved the amended unit
- 7 agreement?
- 8 A. No, not yet. We have requested
- 9 administrative approval. Of course, their
- 10 percentage of interest will be unaffected by the
- 11 applications.
- 12 Q. Let's discuss your effort to obtain
- 13 voluntary unitization among the working interest
- 14 owners. Let's start -- you said that Celero
- 15 acquired this interest in mid 2007. What did it do
- 16 with respect to the interest owners?
- 17 A. Well, when we acquired the property, we
- 18 acquired something around 98 percent of the
- 19 interest. And the previous operator, due to the
- 20 issues that we are addressing today in this hearing,
- 21 just began carrying all the parties and, frankly, I
- 22 don't know how far back that procedure went.
- 23 So when we took on the operations of the
- 24 property we began doing the same thing. We promptly
- 25 began enhancing the property in terms of

- 1 environmental issues that had been in place for
- 2 quite a long time. After eight months of owning the
- 3 property, we had already spent almost 10 million
- 4 dollars, and that was getting some of the wells back
- 5 turned on, reequipping the wells, and the main
- 6 issues were the environmental issues.
- 7 So in February of 2008, eight months after
- 8 we acquired the property, we sent a letter to all of
- 9 the parties informing them that we had already spent
- 10 ten million dollars and explained to them that they
- 11 had been in suspense for quite a long time and we
- 12 offered to buy their interest for their outstanding
- 13 JIBs. At that time there were 12 nonoperating
- 14 parties. So in the ensuing months we were able to
- 15 acquire three of those parties, and that brought us
- 16 up to the 99.6 percent.
- The other parties either never responded.
- 18 I got a few phone calls from people wanting
- 19 additional data but very little response at all.
- 20 We went about our business. In October of
- 21 2009 I sent a follow-up letter. In this letter,
- 22 since I hadn't heard from anyone, I just made the
- 23 presumption that they wanted to stay in. So we sent
- 24 them an updated JIB billing asking them to please
- 25 pay their share of the outstanding JIBs, and then we

- 1 put them at pay status. Otherwise, we would still
- 2 like to acquire your interest. Again, we heard
- 3 almost no response from any of the parties.
- Q. Did you follow up the letters with phone
- 5 calls?
- 6 A. I did. I did. A lot of people never
- 7 called me back and we just never really got anywhere
- 8 with it. The issue is a lot of the people are
- 9 successors to the interest and it's a small -- I
- 10 mean, cumulatively -- currently we have nine parties
- 11 who own 4/10s of one percent. So it's a relatively
- 12 small interest and it's hard to get anyone to focus
- 13 on it.
- 14 So thereafter is when we went the letter
- 15 out, Exhibit 10, which is in May of this year where
- 16 we are informing them of our intentions and
- 17 submitting to them the new amended agreements. And
- 18 that's the status.
- 19 Q. And although there are approximately ten
- 20 working interest owners now when the unit agreement
- 21 was -- when the unit was originally formed I believe
- 22 there were 40 working --
- 23 A. No, more like 56.
- Q. 56 working interest owners. And at that
- 25 time with the difference in working interest owners

- 1 and the fact that no one party controlled more than
- 2 50 percent, unit operations weren't constrained like
- 3 they are now?
- 4 A. Correct. That certainly would have to be
- 5 the case with the multiple number of parties
- 6 involved.
- 7 Q. In your opinion, has Celero made a good
- 8 faith effort to secure voluntary unitization?
- 9 A. Yes, sir, we sure have.
- 10 Q. And has notice of the unitization case
- 11 been given to all working interest owners who did
- 12 not voluntarily join in the unit?
- 13 A. Yes, sir.
- 14 Q. Is that reflected in my affidavit of
- 15 notice marked Exhibit 11?
- 16 A. Yes, it is.
- 17 Q. They all received actual notice of this
- 18 hearing?
- 19 A. Yes, sir, they have.
- 20 Q. In order for the Land Office and the
- 21 Bureau of Land Management to approve unit
- 22 agreements, record title owners also need to ratify
- 23 the agreement. Were the record title owners also
- 24 notified of this application?
- 25 A. Yes, sir, they were. That's Exhibit 12.

- 1 MR. BRUCE: Mr. Examiner, if you look at
- 2 Exhibit 12, you will see that a couple of parties
- 3 did not receive actual notice when the first mailing
- 4 went out. I think everything was eventually --
- 5 everybody was eventually notified except -- I don't
- 6 know how to pronounce it. G-E-R-O-R, Geror Oil
- 7 Company.
- 8 Q. And Mr. Gresham, you had an independent
- 9 landman check for parties on all the addresses, did
- 10 you not?
- 11 A. Yes, we did.
- MR. BRUCE: Mr. Examiner, since we could
- 13 not locate that company, Exhibits 13 and 14 are
- 14 affidavits of publication regarding the unitization
- of the record title owners. One is in the Roswell
- 16 paper and one is from the Hobbs papers since we were
- 17 dealing with two counties.
- 18 HEARING EXAMINER BROOKS: Thank you.
- 19 Q. Have any of the record title owners
- 20 ratified the unit agreement?
- 21 A. Yes, sir. Those ratifications are
- 22 contained in Exhibit 15.
- Q. Now, with respect to the tertiary recovery
- 24 application, was notice given to all of the proper
- 25 offsets or surface interest owners?

- 1 A. Yes, sir. Exhibit 16 is a schedule
- 2 showing the acreage within a have mile of the unit
- 3 area, so notification was sent to all operators or
- 4 lessees in the Queen Formation or with wells which
- 5 penetrate the Queen Formation.
- 6 Q. And within the unit area, the only
- 7 operator is Celero?
- 8 A. That's correct.
- 9 Q. And again, Exhibit 16 was prepared by an
- 10 independent landman, I believe?
- 11 A. Yes, it was.
- 12 Q. And was notice of the injection
- 13 application given to these parties?
- 14 A. Yes, it was.
- 15 Q. Is that reflected in the affidavit of
- 16 notice submitted as Exhibit 17?
- 17 A. Yes, it is.
- 18 MR. BRUCE: Again, Mr. Examiner, there
- 19 were, when all was said and done -- believe it or
- 20 not, I believe almost everybody received actual
- 21 notice, but since there were a few people we were
- 22 uncertain of, we did publish notice as to certain of
- 23 these interest owners and that's reflected in
- 24 Exhibits 18 and 19, the affidavits of publication of
- 25 Roswell and Hobbs interest owners.

- 1 Q. Mr. Gresham, in your opinion, will the
- 2 granting of these two applications be in the
- 3 interest of conservation and prevention of waste and
- 4 protection of correlative rights?
- 5 A. Yes, sir. I believe that.
- 6 Q. Were Exhibits 1 through 19 prepared by you
- 7 or under your supervision or compiled from business
- 8 company records?
- 9 A. Yes, they were.
- 10 MR. BRUCE: I move the admission of
- 11 Exhibits 1 through 19.
- 12 HEARING EXAMINER BROOKS: Exhibits 1
- 13 through 19 are admitted.
- MR. BRUCE: No further questions of the
- 15 witness.
- 16 HEARING EXAMINER BROOKS: Okay. I quess
- 17 my question would be probably to counsel, but just
- 18 to clarify the testimony as I understand it, you are
- 19 proposing to statutory unitization of the working
- 20 interest only?
- 21 THE WITNESS: Yes, sir.
- 22 HEARING EXAMINER BROOKS: I quess my
- 23 question to you, Mr. Bruce, is did the statutes
- 24 contemplate that? Is that something that we can
- 25 actually do?

- 1 MR. BRUCE: I believe so, Mr. Examiner.
- 2 Under 70-7-9 that says an order providing for unit
- 3 operations may be amended by an order by the
- 4 Division in the same -- subject to the same
- 5 conditions as the original order provided if such an
- 6 amendment affects only the rights and interests of
- 7 the working interest owners. Approval by royalty
- 8 owners shall not be required.
- 9 HEARING EXAMINER BROOKS: Are all the
- 10 royalty interest owners committed to the unit? Is
- 11 it only working interest owners not committed to the
- 12 unit?
- MR. BRUCE: I will doublecheck that. If
- 14 there are a few royalty owners it's very small. I
- 15 looked in the ratifications in the State Land Office
- 16 file, and I believe most, if not all. But their
- 17 interest will be unaffected regardless.
- 18 HEARING EXAMINER BROOKS: Okay. Very
- 19 good. Thank you. You may step down and call your
- 20 next witness, Mr. Bruce.
- 21 JONATHAN BAKER
- 22 EXAMINATION
- 23 BY MR. BRUCE
- Q. Will you please such for the record?
- 25 A. Jonathan Buster Baker.

- 1 Q. Where do you reside?
- 2 A. Fort Worth, Texas.
- 3 Q. Who do you work for and in what capacity?
- A. I work for Celero Energy in the capacity
- 5 of a geologist.
- 6 O. Have you previously testified before the
- 7 Division?
- 8 A. Yes, I have.
- 9 Q. Were your credentials as an expert
- 10 petroleum geologist accepted as a matter of record?
- 11 A. Yes.
- 12 Q. Does your area of responsibility at Celero
- include this portion of the Permian Basin?
- 14 A. Yes.
- 15 Q. Are you familiar with the geologic matters
- 16 involved in these cases?
- 17 A. Yes.
- 18 MR. BRUCE: I tender Mr. Baker as an
- 19 expert petroleum geologist.
- 20 HEARING EXAMINER BROOKS: So qualified.
- Q. Mr. Baker, what is Exhibit 20?
- 22 A. Exhibit 20 shows three main points. It
- 23 shows the geographical location of our project area,
- 24 the age and nomenclature of the formations in
- 25 question and also a type log of the formation that

- 1 is our objective.
- 2 First of all, I call your attention to the
- 3 map of Texas and New Mexico up near the title of the
- 4 presentation. You can see the general location of
- 5 our project, which is in basically straddles the
- 6 border of Chaves and Lea County, New Mexico.
- 7 The next thing I would point out is if you
- 8 look directly below that map -- and I apologize for
- 9 the small font. This is a stratigraphic column
- 10 indicating the age and the formation nomenclature.
- 11 The formation is termed the Queen, which is part of
- 12 the Artesia group, which is Permian or, more
- 13 specifically, Guadalupian in age.
- Beyond that, there are three type logs.
- 15 The type log furthest on the right shows the whole
- 16 section from the surface down to just below into the
- 17 San Andreas. As you go over to the left, it shows a
- 18 close-up depiction of the Main Queen Sand interval,
- 19 which is our interval in question.
- 20 You can see above it the Seven Rivers
- 21 Formation in blue and below it the Grayburg
- 22 Formation in gray. The Main Sand Interval that I
- 23 indicated there is the interval of our object.
- 24 A few things I would point out about the
- 25 Main Queen Sand is it occurs within our project area

- or within the Rock Queen Unit from about 3,000 feet
- 2 to 3100 feet measured depth, which corresponds to a
- 3 subsea depth of about 1410 feet, which is on the
- 4 west and 1310 feet which is on the east.
- 5 The sand is typically an average of 13
- 6 feet thick. The porosity ranges from 8 percent to
- 7 25 percent. It was deposited as both fluvial and
- 8 deltaic sands and is a very fine to fine grade
- 9 sandstone.
- 10 Q. One thing on this exhibit. The logs --
- 11 this is a fairly old field, is it not?
- 12 A. Yes.
- 13 Q. And a lot of wells were drilled and there
- 14 were no logs on the wells?
- 15 A. That is true.
- 16 Q. So you have logs from the Drickey Queen
- 17 144. That is an unit immediately to the southwest?
- 18 A. It's directly to the south.
- 19 Q. Then you have one from the Trig federal
- 20 well, which is a lease to the west of this unit, I
- 21 believe?
- 22 A. That is true. I will show you the
- 23 location of the Drickey Queen 144 well on a
- 24 subsequent issue.
- 25 O. Let's move to Exhibit 21. What does that

- 1 show?
- 2 A. One thing I would like to point out on
- 3 this before we go to the next exhibit is that within
- 4 our project area, none of these other intervals
- 5 above or below are currently producing. It is only
- 6 the Queen Formation that produces within the Rock
- 7 Oueen unit.
- 8 On to Exhibit 21? Exhibit 21 is a
- 9 structure map constructed on the top of the Main
- 10 Queen Sand interval. It was built by using most of
- 11 the wells shown on this map. The yellow on this map
- is a representation of Celero's approximate acreage
- 13 position. You can see the -- the center the purple
- 14 outline is the outline of our injection area, our
- 15 CO2 injection area, and the red outline is the
- 16 outline of what we are speaking to today.
- 17 This generally shows that the structure in
- 18 the area is the strike, which is -- which trends
- 19 north northeast to south southwest. The dip is
- 20 perpendicular to that and dips at a rate of about 25
- 21 feet for every mile.
- One thing that you can see on here is that
- 23 there are no -- we have not represented any faults,
- 24 and I do not find any faults within this map area
- 25 within the queen section.

- 1 Also shown on this map is the
- 2 cross-section trace within the Unit A to A prime.
- 3 It's rather small. Are you able to see that?
- 4 HEARING EXAMINER BROOKS: Yes.
- 5 Q. And just for reference, when we mention
- 6 the Drickey Queen Unit, that starts in Section 35 to
- 7 the south of the Rock Queen Unit and proceeds to the
- 8 south southwest?
- 9 A. Yes. I'm sorry. If you look at the
- 10 northeast quarter of Section 35 -- I will show you.
- 11 Right here. That is the type well that I showed you
- 12 on the previous exhibit.
- Q. Let's move on to Exhibit 22. What does
- 14 that show?
- 15 A. Exhibit 22 is a cross-section A to A prime
- 16 that I showed you in Exhibit 21. It shows -- these
- 17 are cased hole logs within our project area that
- 18 show in yellow the Main Queen Sand Interval and is
- 19 used to show the continuity of the reservoir over
- 20 our project area.
- 21 Q. Is the -- was the original unit outlined
- 22 from a geologic standpoint?
- A. Yes, it was.
- Q. And from a geologic standpoint has this
- 25 reservoir been reasonably defined by development?

- 1 A. Yes.
- O. And is the Oueen Reservoir continuous
- 3 across the unit area?
- 4 A. Yes.
- 5 Q. Is there a fresh water zone in this area?
- 6 A. There are no fresh water wells inside the
- 7 unit boundary. I do understand that the Ogallala
- 8 aquifer exists. The very western limits of the
- 9 Ogallala aquifer exist beneath our acreage at a
- 10 depth of about 200 feet.
- 11 Q. Will the next witness have some data on
- 12 fresh water in the area?
- 13 A. Yes.
- Q. Were Exhibits 20 through 22 prepared by
- 15 you or under your direction?
- 16 A. Yes.
- 17 Q. In your opinion, is the granting of these
- 18 applications in the interest of conservation and the
- 19 prevention of waste?
- 20 A. Yes.
- MR. BRUCE: Mr. Examiner, I move the
- 22 admission of Exhibits 20, 21 and 22.
- 23 HEARING EXAMINER BROOKS: 20, 21 and 22
- 24 are admitted.
- MR. BRUCE: No further questions.

- 1 HEARING EXAMINER BROOKS: Okay. I don't
- 2 believe I have any questions. Do you have any
- 3 questions, Mr. Wornell?
- 4 MR. WORNELL: I don't think so. You did
- 5 say that these are cased hole logs?
- THE WITNESS: Yes.
- 7 MR. WORNELL: What kind of hole is it?
- 8 THE WITNESS: Gamma ray neutron.
- 9 MR. WORNELL: And that was logged fairly
- 10 recently?
- 11 THE WITNESS: Those were logged recently
- 12 by us.
- MR. WORNELL: Thank you.
- 14 HEARING EXAMINER BROOKS: Okay. I guess
- 15 the witness may stand down. Call your next witness,
- 16 Mr. Bruce.
- 17 MR. BRUCE: We call Mr. Metza to the
- 18 stand.
- 19 MICHAEL WAYNE METZA
- 20 DIRECT EXAMINATION
- 21 BY MR. BRUCE
- Q. Would you please state your full name and
- 23 city of residence.
- 24 A. My name is Michael Wayne Metza from
- 25 Midland, Texas.

- 1 Q. Who do you work for and in what capacity?
- 2 A. I work for Celero Energy II LP as a senior
- 3 production engineer.
- 4 Q. Have you previously testified before the
- 5 Division?
- 6 A. Yes.
- 7 Q. Was it a while ago?
- 8 A. A long while ago. I believe it was in
- 9 1984 or '85.
- 10 Q. Why don't you, just for the Examiner,
- 11 describe your educational and employment background.
- 12 A. I have a bachelor's degree in petroleum
- 13 and natural gas engineering. For the first 16 years
- 14 of my career I worked in various major oil
- 15 companies. For the last 13 I worked in various
- 16 engineering assignments for independent oil
- 17 companies.
- 18 Q. How long have you worked for Celero
- 19 Energy?
- 20 A. I worked for Celero Energy for
- 21 approximately two years.
- Q. Are you familiar with the engineering
- 23 matters related to these applications?
- 24 A. Yes.
- Q. And your area of responsibility at Celero

- 1 includes this portion of the Permian Basin?
- 2 A. Yes.
- 3 MR. BRUCE: Mr. Examiner, I tender
- 4 Mr. Metza as an expert petroleum engineer.
- 5 HEARING EXAMINER BROOKS: So qualified.
- 6 Q (By Mr. Bruce) Mr. Metza, let's start out
- 7 with your Exhibit 23. Could you give an overview of
- 8 this project.
- 9 A. Exhibit 23 is Celero Energy's application
- 10 for an EOR project involving admissible CO2
- 11 displacement. The project's name is Rock Queen CO2
- 12 Pilot. The exhibit gives the physical description
- of the acreage, the number of acres, its original
- 14 unitization and the pool and formation name. It
- 15 also lists 20 producing wells, 17 water alternating
- 16 gas injection wells in the project area and 19 water
- 17 injection wells that will be curtain wells
- 18 surrounding the project. It shows also our
- 19 replacement wells and one re-entry of a P and A
- 20 well.
- 21 HEARING EXAMINER BROOKS: How many
- 22 injection wells are there, 17 in total?
- 23 THE WITNESS: Seventeen. The application
- 24 today involves 12 that exist and we are -- we have
- 25 permitted five more to drill.

- 1 It shows that the capital cost of the
- 2 facilities for the project going forward are is
- 3 about 6.9 million dollars. That cost includes the
- 4 cost of a pipeline to deliver CO2 to the field,
- 5 roughly five million a day of compression
- 6 capability, and miscellaneous CO2 injection and
- 7 gathering facilities. Total project cost to date
- 8 was roughly 42 million. Excuse me. Total project
- 9 cost of approximately 42 million, roughly 28 million
- 10 has been spent to date. The value of oil we expect
- 11 to produce from the project is roughly 132 million
- 12 dollars.
- Q. Mr. Metza, on the exhibit -- excuse me,
- 14 the unit agreement, it covers approximately 4900
- 15 acres but the initial project area for the CO2 flood
- is smaller than that; is that correct?
- 17 A. It's only roughly 1570 acres.
- 18 Q. And you mentioned the water injection
- 19 wells, a curtain of water injection wells. You
- 20 mentioned this again further on in your testimony,
- 21 but what is the intent of the wells?
- 22 A. The purpose of those wells was to form a
- 23 water curtain around the area where we inject CO2
- 24 and to keep the CO2 confined.
- Q. Let's move on to your Exhibit 24. What

- 1 about does that show?
- A. Exhibit 24 is a required plat of the
- 3 production history of the pilot area. As you can
- 4 see from the plot, cumulative oil production was 8.4
- 5 million barrels. Cumulative gas production was
- 6 roughly .8 BCF. Cumulative water production was
- 7 60.5 million barrels and cumulative water injection
- 8 was relatively 56.9 million barrels.
- 9 Behind Exhibit 24 is a table of the data
- 10 that was used to develop Exhibit 24.
- 11 Q. A couple of matters. It shows a gas
- 12 production that dropped off precipitously almost 48
- 13 years ago. Is there much in the way of gas
- 14 production at this time from the unit area?
- 15 A. Very little. We have to augment our
- 16 produced gas with propane in some of the facilities.
- 17 Q. And the other thing, although the
- 18 application was -- I entitled the application as
- 19 expansion of the water flood project, at this point
- 20 Celero has already come in and redeveloped the water
- 21 flood aspect of this project, has it not?
- 22 A. A great portion of it.
- 23 Q. So at this point, although there is more
- 24 water injection to come, at this point the primary
- 25 aspect of this hearing is for the tertiary recovery

- 1 project?
- 2 A. Yes.
- Q. Let's move on to your outline marked
- 4 Exhibit 25. What is set forth in that?
- 5 A. Exhibit 25 is a general discussion of the
- 6 oil, gas and water production history and injection
- 7 history of the CO2 pilot area. The original pilot
- 8 area was developed as part of the Rock Queen Unit in
- 9 the mid to late '50s when 124 wells were drilled in
- 10 the unit's original 4940 acres. Wells were drilled
- on 40-acre space and primary production peaked in
- 12 October of 1956 at roughly 1700 barrels of oil per
- 13 day. Production was at a low gas/oil ratio and gas
- 14 was eventually vented after August of 1962.
- 15 Production was water-free until water
- 16 operations started in 1960. Our estimate of primary
- 17 recovery is roughly 9 percent of the oil in place.
- 18 Pilot areas put on a conventional five spot 80-acre
- 19 pattern water flood by converting one-half of the
- 20 wells in the area to injection. Injection in the
- 21 area peaked in August of 1962 at roughly 6900
- 22 barrels of water per day until Celero purchased the
- 23 property, after which injection again peaked in
- October of 2008 at slightly less than 7500 barrels
- of water per day.

- 1 Peak water flood response occurred in May
- 2 of 1964 at a little more than 3300 barrels of oil
- 3 per day with a little more than 3,000 barrels of
- 4 water per day. Peak water production occurred in
- 5 March of 1967 at a little more than 6900 barrels of
- 6 water per day until Celero began returning wells to
- 7 production when water again peaked in October of
- 8 2008 at a little more than 13,000 barrels of water
- 9 per day.
- 10 Production continued to decline after the
- 11 field was developed and the area became rather
- 12 marginal by the mid 1970s. From that time to the
- 13 mid 1980s 21 wells were plugged in the unit. Celero
- 14 has since plugged five additional wells in the unit
- 15 once we took over operations.
- 16 Secondary recovery is estimated at 28
- 17 percent of the oil in place. Total primary and
- 18 secondary recovery is 37 percent of the oil in
- 19 place.
- The Rock Queen Unit has had numerous
- 21 operators throughout its life. Celero purchased the
- 22 property in June of 2007, specifically for the
- 23 purpose of developing the unit using CO2 miscible
- 24 displacement. Our estimated recovery from miscible
- 25 CO2 is 2.1 million barrels of oil or approximately 9

- 1 percent of the oil in place. Purchased CO2 for the
- 2 project is estimated at slightly more than 10 BCF
- 3 and the produced CO2 will be reinjected. Our
- 4 anticipated date of first injection is January 2011.
- 5 Peak oil response for the project is estimated at
- 6 708 barrels per day.
- 7 O. What does Exhibit 26 show?
- 8 A. Exhibit 26 is a required plot showing the
- 9 anticipated performance of the pilot with respect to
- 10 oil production, water production, water injection,
- 11 CO2 injection and CO2 production.
- 12 Q. And Exhibits 27 is simply tabular data
- 13 reflecting Exhibit 26?
- 14 A. Yes.
- Q. What materials did you examine in your
- 16 study of the reservoir?
- 17 A. We looked at, obviously, well logs,
- 18 production history, available studies that have been
- 19 done by prior operators or commissioned by prior
- 20 operators and our company records.
- 21 Q. And although in your first exhibit you
- 22 went over this somewhat, how does Celero plan to
- 23 redevelop the unit for CO2 flood?
- A. Initially, our plan is to start with the
- 25 pilot area, inject CO2 via a WAG schedule, see how

- 1 it performs over the period of two years and then
- 2 make a decision whether we can expand the pilot to
- 3 include all of the Rock Queen Unit or probably
- 4 what's been mentioned as the Drickey Queen Unit and
- 5 other properties we own in the area.
- Q. With respect to the CO2, is Celero in the
- 7 process of obtaining a pipeline right-of-way for the
- 8 CO2 line?
- 9 A. Pipeline has been staked right away we are
- 10 securing right-of-ways for it. It's my
- 11 understanding we have approximately 50 percent of
- 12 those. Once we have secured right-of-ways and our
- 13 pipeline has been -- our operations manual has been
- 14 approved by the Pipeline Safety Bureau, we will
- 15 start construction of 18 miles of six-inch pipeline.
- 16 Q. And Celero has secured a supply of CO2?
- 17 A. Yes.
- 18 Q. Was the tertiary recovery project and the
- 19 water flood expansion or increase in water flooding
- 20 that you have done over the last couple of years
- 21 proposed as a method of extending the life of the
- 22 reservoir?
- 23 A. Yes.
- Q. What is the dried mechanism of the pool?
- 25 A. The primary dry mechanism was depletion.

- 1 Q. What is the current average production
- 2 from wells within the Rock Queen Unit?
- 3 A. We average -- the majority of the wells
- 4 producing roughly 4.5 barrels of oil per day with
- 5 440 barrels of water per day.
- 6 O. Definitely you are at what used to be
- 7 known as a stripper state at this point?
- A. Yes.
- 9 Q. Is the unitized portion of this pool
- 10 suitable for institution of a tertiary recovery
- 11 project?
- 12 A. Yes.
- 13 Q. And is the area so depleted that it's
- 14 prudent to apply an enhanced recovery program at
- 15 this time?
- 16 A. Yes.
- 17 Q. Is the tertiary recovery project
- 18 technically and economically feasible at this time?
- 19 A. Yes.
- Q. Will the value of the oil and gas
- 21 recovered by unit operations exceed the unit cost
- 22 plus a reasonable profit?
- 23 A. Yes.
- Q. Will the enhanced recovery operations
- 25 result in the recovery of substantially more

- 1 hydrocarbons from the pool than would otherwise be
- 2 recovered?
- 3 A. Yes.
- 4 O. Will the enhanced recovery benefit the
- 5 working interest and royalty owners in the area?
- 6 A. Yes.
- 7 Q. Is the unitized management and operation
- 8 of this reservoir necessary to effectively carry on
- 9 your proposed enhanced recovery operations?
- 10 A. Yes.
- 11 O. And because of the estimated additional
- 12 production which you will obtain, do the wells in
- 13 the proposed unit qualify, or at least in the
- 14 project area, qualify for the recovered oil tax
- 15 rate?
- 16 A. Yes.
- 17 Q. Let's move on to your next exhibit,
- 18 Mr. Metza, Exhibit 28. What does that reflect?
- 19 A. The exhibit is a plat which shows the CO2
- 20 pilot area, the active production in injection
- 21 wells, the plugged and abandoned wells and the
- 22 shut-in or temporarily abandoned wells in an area
- 23 marked in red, which is one-half mile boundary we
- 24 are calling our area of review for your injection
- 25 well package.

- Our area review is a little larger than
- 2 the area that would normally occur if we used
- 3 calculated half-mile radius around the 12 injection
- 4 wells we will be requesting authority to inject
- 5 with. And it was -- we made it a little larger for
- 6 two reasons. The area includes the area review
- 7 includes a half-mile radius around those wells to
- 8 the north of the unit that we intend to redrill as
- 9 injection wells. It also includes our replacement
- 10 wells in the unit and one well that we intend to
- 11 re-enter. Although we are not specifically
- 12 requesting authority to inject in those replacement
- 13 wells at this time.
- The second reason was the area of review
- 15 includes many of the wells that we are requesting as
- 16 monitor wells for the project.
- 17 HEARING EXAMINER BROOKS: Now, you are
- only then requesting injection authority for the 12
- 19 wells?
- A. Twelve wells in the CO2 pilot area.
- Q. Mr. Metza, would you like for the order to
- 22 provide for administrative approval of additional
- 23 injection wells?
- A. Subject to review under normal procedures.
- 25 Q. Yes. Is that what you are requesting?

- 1 A. Yes.
- Q. Go ahead with this, Mr. Metza.
- A. Lastly, where our area review boundary
- 4 fell on a well or was close to a well, that well,
- 5 for the purposes of review, was included in the
- 6 review.
- 7 O. And what is Exhibit 28A?
- 8 A. Exhibit 28A is a Midland Map Company plat
- 9 on a one inch equals 4,000 foot scale which shows
- 10 two miles around our pilot area, which is outlined
- 11 in blue. It also shows current boundaries of the
- 12 Rock Queen Unit outlined in yellow and all of the
- 13 wells that have been drilled of record, according to
- 14 the information that the map company has.
- 15 I have to apologize for American Inland
- 16 Resources being designated as the operator of Rock
- 17 Queen Unit. The people who published this resource
- 18 have been advised that we have taken over operations
- 19 and they have assured us it will be changed in the
- 20 future.
- Q. This exhibit was prepared as part of the C
- 22 108 package, was it not?
- A. Yes. It's a required exhibit.
- O. What is Exhibit 29?
- 25 A. Exhibit 29 is N.M. OCD Form C 108,

- 1 authorization to inject, and signed by me. Attached
- 2 to form C 108 are two pages which discuss Items 8,
- 3 Data on the Proposed Operation -- excuse me, Item 7,
- 4 Data on the Proposed Operation; Item 8, Geologic
- 5 Data; Item 9, Data on the Proposed Stimulation
- 6 Program; and Item 11, Data on Fresh Water Wells.
- 7 Q. Now, the rest of your exhibits, except
- 8 for, I think, your final exhibit, all are part of
- 9 the C 108 package, are they not?
- 10 A. Correct.
- 11 Q. And they have been broken out to make it
- 12 easier for the examiner to look at them as you
- 13 discussed them?
- 14 A. Correct.
- 15 Q. What do you want to begin with for your
- 16 discussion of the C 108?
- 17 A. I would like to cover Item 7 in a little
- 18 more detail at this time. It has to do with data on
- 19 our proposed operation. Our project is an enhanced
- 20 oil recovery pilot where we plan to inject carbon
- 21 dioxide and water into the Queen Formation using a
- 22 Walter alternating gas or WAG method.
- The system will be closed. That is, all
- 24 the produced water and all produced CO2 will be
- 25 reinjected into the reservoir. Our proposed average

- and maximum water injection pressure is 800 PSI.
- 2 This pressure is slightly higher than the 610 PSI
- 3 which would normally be allowed using the
- 4 traditional calculation of 0.2 PSA per foot times
- 5 depth to the top of the formation. We requested a
- 6 little higher pressure based on some step rate data
- 7 we have and we will go over that in Exhibit 33.
- 8 Consequently, we are proposing that we
- 9 have a maximum and average wellhead injection
- 10 pressure on water of 800 PSI for all of the current
- 11 and future water injection wells and WAG wells in
- 12 the entire Rock Queen unit. Our proposed maximum
- 13 CO2 pressure is 1200 PSI. It's also based on the
- 14 same step rate test data that we will go over in a
- 15 minute.
- 16 Q. Next move to your Exhibit 30. What is
- 17 contained in that?
- 18 A. Exhibit 30 are the required well data
- 19 sheets and well sketches for the 12 WAG injection
- 20 wells in our request. In the case of Rock Queen
- 21 Unit 54, a copy of N.M. OCD Form C 133 at proposing
- 22 to squeeze some well formations at 2934 and 2943 is
- 23 included in that well's package.
- Q. And what is Exhibit 31?
- 25 A. Exhibit 31 is a required list of all wells

- 1 within the area of review. There are 91 wells on
- 2 the list. There are also nine replacement wells on
- 3 the list, five which have recently been permitted.
- 4 There are also four more plus one re-entry that are
- 5 being staked and will be permitted.
- The well list also shows a planned well
- 7 type of injector for the Drickey Queen Sand Unit No.
- 8 1 and No. 4. These wells are currently active
- 9 producing wells and an administrative application to
- 10 convert them to water injection wells has been
- 11 filed.
- 12 Q. Is that part of the water curtain that you
- 13 were talking about?
- 14 A. Yes.
- 15 O. And what is contained in Exhibit 32?
- 16 A. Exhibit 32 is the required well sketches
- 17 of the 21 wells in the area of review which have
- 18 been plugged and abandoned. One well in Section 23
- 19 Unit N has an issue in that there is not a plug
- 20 immediately above the Queen Formation. A prior
- 21 operator attempted to get to the bottom of the well
- 22 but encountered junk at 1858. They spent two days,
- 23 I believe, trying to get through it, then set plugs,
- 24 cut and recovered the casing at 1025 feet and
- 25 finished plugging it.

- 1 Celero proposes to re-enter the well in an
- 2 attempt to make it an injection well. If we are
- 3 unsuccessful, it's likely that the well will not be
- 4 any appreciably different when we are finished.
- 5 Q. And again, this is no production above the
- 6 Queen?
- 7 A. That is correct.
- 8 Q. What is contained in Exhibit 33?
- 9 A. Exhibit 33 is a summary of the data
- 10 gathered from step rate tests that were run on ten
- 11 wells in the Rock Queen Unit. The test on Rock
- 12 Queen Unit No. 62 was used to calculate the
- 13 recommended average and maximum wellhead injection
- 14 pressures for produced water and CO2 for all of the
- 15 wells in the Rock Queen Unit.
- 16 The test was run with fresh water and the
- 17 surface pressure of 1050 PSI gauge was adjusted for
- 18 the higher density of produced water and the lower
- 19 density of CO2. The method to calculate 800 PSIG
- 20 using produced water on injection and 1200 PSIG on
- 21 CO2 injection are shown on the exhibit.
- 22 Attached to Exhibit 33 are the actual pump
- 23 tests that were run on the wells in the field and a
- 24 National Institute of Standards and Technology
- 25 report which shows the physical properties of CO2 at

- 1 70 degrees.
- Q. That's a standard table or standard data?
- 3 A. Yes.
- 4 Q. And these step rate tests were performed a
- 5 couple year ago in connection with your water flood
- 6 expansion, was it not?
- 7 A. Correct.
- 8 Q. And are these pressures that you have been
- 9 using in use for water injection at this point? The
- 10 recommended injection pressures?
- 11 A. No. In fact, throughout the history of
- 12 the field injection pressures have been slightly
- 13 higher than this on occasion.
- Q. Okay. So you are not exceeding anything
- that has been used by previous operators?
- 16 A. We shouldn't be.
- 17 O. And what is Exhibit 34?
- 18 A. Exhibit 34 is a comparison of the produced
- 19 water from the Rock Queen Unit No. 84 and water from
- 20 our fresh water system. Also attached are the
- 21 analyses of both waters and an analysis of water
- 22 from water well in Section 35 Township 13 South
- 23 Range 31 East along with a map showing the well's
- 24 location. This is a required submittal for the form
- 25 C 108.

- 1 Q. And I believe the well that you obtained,
- 2 the fresh water well is within about a half mile or
- 3 less of the unit boundary?
- 4 A. The southern boundary of the Rock Queen
- 5 Unit, yes.
- 6 Q. What type of water is injected into the
- 7 unit?
- 8 A. Right now we inject produced water and
- 9 fresh water from supply wells we have that take
- 10 water from the Ogallala.
- 11 Q. And is there any compatibility problems
- 12 between the formation water and the injection water?
- 13 A. No.
- Q. Now, let's move on to your final exhibit,
- 15 and maybe you should have Exhibit 28, the plat, out
- in front so you can show the examiner what you are
- 17 talking about with respect to the monitoring wells
- 18 and the water injection curtain. If you go through
- 19 Exhibit 35 and inform the examiners of what you
- 20 propose with respect to the monitor of the wells?
- 21 A. If you can refer to Exhibit 28, you will
- 22 see a number of wells that have pastel yellow
- 23 circles around them located on the west and north
- 24 end of our CO2 pilot area. We are proposing these
- 25 with monitor wells for roughly two years while we

- 1 evaluate the project.
- 2 Therefore there are eight shut in
- 3 producers, six temporarily abandoned producers and
- 4 three shut-in injection wells. We propose to limit
- 5 production to the north in the hope that it offers
- 6 the best opportunity to maximize CO2 utilization in
- 7 the project and limit the possible CO2 migration.
- 8 It's more cost-effective using these as monitor
- 9 wells than expanding the water injection system to
- 10 the north and west and the number of injection wells
- 11 to support what would likely be marginal or
- 12 uneconomic production at this time.
- 13 If necessary, a number of the wells could
- 14 readily be converted to active water injection wells
- 15 to maintain our water curtain to the north and the
- 16 west of the project. Wells would be equipped with
- 17 2 3/8 plastic-coated tubing set on a packer with a
- 18 single minimum 1500 PSI valve installed in each
- 19 well. We would propose an initial mechanical
- 20 integrity test be run after the installation of
- 21 tubing and packer and then in intervals of one year
- 22 thereafter.
- 23 Bottom hole pressures will be measured
- 24 initially and each quarter thereafter in each well.
- 25 The information would be made available to the

- 1 Division on request. The wells would remain as
- 2 monitor wells for approximately two years while the
- 3 performance of the pilot is evaluated.
- 4 Ultimate disposition of the wells at 16 of
- 5 the 17 wells would be returned to production and one
- 6 would be returned to injection in the event that the
- 7 pilot is successful and the project is expanded. We
- 8 have discussed this with compliance manager and
- 9 attorney and they were not opposed to it as a means
- 10 to meet our agreed compliance order for these wells.
- 11 Q. In other words, in normal circumstances
- 12 these would be deemed out of compliance wells --
- 13 A. Because they have been shut in or
- 14 temporarily abandoned for so long.
- 15 Q. But the Division staff has stated they
- 16 will not count these as noncompliant wells for the
- 17 purpose of the two years while you are evaluating
- 18 the project?
- 19 A. Correct.
- 20 Q. In your opinion, will two years from the
- 21 commencement of injection of CO2, will two years be
- 22 sufficient to evaluate the project?
- 23 A. Yes.
- Q. In your opinion, is the granting of the
- 25 injection application in the interest of

- 1 conservation and the prevention of waste?
- 2 A. Yes.
- 3 Q. And were Exhibits 23 through 35 prepared
- 4 by you or under your supervision?
- 5 A. Yes.
- 6 MR. BRUCE: Mr. Examiner, I move the
- 7 admission of Exhibits 23 through 35.
- 8 HEARING EXAMINER BROOKS: Exhibits 23
- 9 through 35 are admitted.
- MR. BRUCE: No further questions.
- 11 HEARING EXAMINER BROOKS: I don't believe
- 12 I have any questions at this time either. Do you,
- 13 Mr. Wornell?
- 14 MR. WORNELL: Just, I think, one or two
- 15 here. On your WAG or your water alternating gas
- 16 injection, your CO2, you say you have a contract for
- 17 CO2.
- 18 THE WITNESS: That's correct.
- MR. WORNELL: That's coming from?
- 20 THE WITNESS: Coming from Kinder Morgan
- 21 roughly 18 miles almost due north of the Rock Queen
- 22 Unit.
- MR. WORNELL: Then the water that's
- 24 associated with that injection, where is that coming
- 25 from?

- 1 THE WITNESS: It will be produced water
- 2 from the field. Where makeup water is required we
- 3 will use fresh water.
- 4 MR. WORNELL: So the makeup water will be
- 5 fresh Ogallala water?
- 6 THE WITNESS: Correct.
- 7 MR. WORNELL: No further questions.
- 8 MR. BRUCE: One question. You are
- 9 currently using fresh water for injection?
- 10 THE WITNESS: Yes.
- MR. BRUCE: That's all I have.
- 12 Mr. Examiner.
- 13 HEARING EXAMINER BROOKS: Very good. If
- 14 there's nothing further, then cases 14504 and 14505
- 15 will be taken under advisement. I believe you have
- one more case, Mr. Bruce?
- 17 MR. BRUCE: If I didn't send in a
- 18 continuance, I should have.
- 19 HEARING EXAMINER BROOKS: You did on one,
- 20 and maybe I didn't pick this up. The one I have is
- 21 case No. 14528.
- MR. BRUCE: If you could continue that for
- 23 four weeks, please.
- 24 HEARING EXAMINER BROOKS: That would be to
- 25 the 16th. Case 14528 is continued to November 16th.

1	REPORTER'S CERTIFICATE
2	I, JAN GIBSON, Certified Court Reporter for the
3	State of New Mexico, do hereby certify that I
4	reported the foregoing proceedings in stenographic
5	shorthand and that the foregoing pages are a true
6	and correct transcript of those proceedings and was
7	reduced to printed form under my direct supervision.
8	I FURTHER CERTIFY that I am neither employed by
9	nor related to any of the parties or attorneys in
10	this case and that I have no interest in the final
11	disposition of this case.
12	
13	$\int_{\Omega} \mathcal{A} \mathcal{A} \mathcal{A} \mathcal{A} \mathcal{A} \mathcal{A} \mathcal{A} A$
14	JAN GIBSON, CCR-RPR-CRR
15	New Mexico CCR No. 194 License Expires: 12/31/10
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