## STATE OF NEW MEXICO

## ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

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APP	LICA	MOITA	OF '	YATES	PF	TROLEUM	)			
COR	PORA	MOITA	FOR	A UNI	T	AGREEMENT	. )	CASE	NO.	10134
LEA	COL	JNTY,	NEW	MEXIC	co.		)			
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REPORTER'S TRANSCRIPT OF PROCEEDINGS

EXAMINER HEARING

BEFORE: JIM MORROW, Hearing Examiner

November 28, 1990 10:00 a.m. Santa Fe, New Mexico

This matter came on for hearing before the Oil
Conservation Division on November 28, 1990, at 10:00 a.m. at
Oil Conservation Division Conference Room, State Land Office
Building, 310 Old Santa Fe Trail, Santa Fe, New Mexico, before
Deborah LaVine, RPR, Certified Shorthand Reporter No. 252 and
Notary Public, in and for the County of Santa Fe, State of New
Mexico.

FOR: OIL CONSERVATION

DIVISION

BY: DEBORAH LAVINE, RPR Certified Shorthand Reporter

CSR No. 252

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EXAMINER MORROW: Case 10134.

MR. STOVALL: Application of Yates Petroleum Corporation for a unit agreement, Lea County, New Mexico.

EXAMINER MORROW: Call for appearances.

MR. VANDIVER: Mr. Examiner, my name the David Vandiver of the Artesia law firm of Fisk & Vandiver appearing on behalf of the applicant, Yates Petroleum Corporation. I have two witnesses to be sworn.

EXAMINER MORROW: Would the witnesses please stand and be sworn.

(THEREUPON, a discussion was held off the record.)

MR. VANDIVER: Mr. Examiner, I have a preliminary matter to address before I proceed with the testimony in this case. The application was originally filed October 9th, I believe, that's right, requesting approval of the subject unit agreement as to lands in the Sections 2, 3 and 11 of Township 16 South, Range 33 East. And then because of the applicant's failure to get support, I filed an amended application requesting approval of the unit only as to lands in Section 2.

The advertisement was never changed. I think the case has been continued two or three times, and the advertisement has always stated that Yates seeks approval of the Red Hat State Unit agreement as to all or portions of Sections 2, 3 and 11 of Township 16 South, Range 33 East. And as will be more fully revealed in the testimony, Yates is

1	seaking approval of the unit as to all the lands that we
2	originally sought approval for and I'm asking that you
3	disregard the amended application that I filed requesting
4	approval only as to Section 2.
5	EXAMINER MORROW: So the advertisement then is correct
6	MR. VANDIVER: Yes, sir.
7	EXAMINER MORROW: as you'd like to have it read today?
8	Is that all right, Bob?
9	MR. STOVALL: Yeah, I don't see any problem with that.
10	MR. VANDIVER: May I proceed?
11	EXAMINER MORROW: Yes, sir.
12	ROB BULLOCK
13	the witness herein, having been first duly sworn by the Notary
14	Public, was examined and testified as follows:
15	DIRECT EXAMINATION
16	BY MR. VANDIVER:
17	Q. Mr. Bullock, please state your name, by whom you're
18	employed and in what capacity.
19	A. My name is Robert Bullock. I'm employed by Yates
20	Petroleum Corporation as a landman.
21	Q. And have you previously testified before the New
22	Mexico Oil Conservation Division in your capacity as a landman
23	and had your qualifications accepted and made a matter of
24	record?

A. Yes, I have.

1	Q. Are you familiar with the title to the land within
2	the proposed Red Hat State Unit area?
3	A. Yes, I am.
4	Q. And have you prepared certain exhibits to be used
5	in conjunction with your testimony today?
6	A. Yes.
7	MR. VANDIVER: Mr. Examiner, I'll tender Mr. Bullock as
8	an expert in petroleum land matters.
9	EXAMINER MORROW: We're accepting him as qualified.
LO	Q. (By Mr. Vandiver:) Mr. Bullock, if you could,
1	summarize the purpose of Yates' application in this case
12	10134.
L 3	2. Yates would like to form a Red Hat exploratory unit
14	to effectively and efficiently explore for hydrocarbons within
L5	this mit boundary.
16	(Applicant's Exhibit No. 1 was
L <b>7</b>	marked for identification.)
L 8	2. If I could ask you to refer to Applicant's Exhibit
L9	1 in this case and orient the examiner with respect to the
20	location of the proposed unit.
21	A. The proposed unit is in Township 16 South, Range 33
22	East. It includes all of Section 2, the north two-thirds of
23	Section 3, and the north half of section 11 within Lea County,

Q. And the lands to be included are outlined on the

New Mexico.

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1	plat which is marked as Exhibit 1?
2	A. That's correct.
3	Q. And also the location of the initial test well is
4	marked as a red dot in that plat?
5	A. That's correct.
6	Q. Mr. Bullock, who owns all the minerals within the
7	proposed unit?
8	A. The State of New Mexico.
9	(Applicant's Exhibit No. 2 was
10	marked for identification.)
11	Q. Now if I could ask you to refer to the Applicant's
12	Exhibit 2 and identify that and describe what it is.
13	A. That is a unit agreement for the development and
14	operation of the Red Hat State Unit. It includes a unit
15	agreement, Exhibit A, which includes the outline of the unit
16	agreement, Exhibit B, which describes the leases involved and
17	the working interest parties to the agreement.
18	Q. What formations are unitized under the terms of
19	this unit agreement, if you can refer to paragraph two?
20	A. All oil, gas, natural gas land associated with
21	fluid hydrocarbons in any and all formations would be unitized

A. Yates Petroleum corporation.

lands or subject to this agreement.

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agreement?

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Q. And who's designated as operator under the unit

- Q. And as required by state law and regulation, the unit agreement allocates production from any well drilled on a committed tract within a unit area to each of the separately owned tracts on a surface acreage basis; is that not correct?
  - A. That's correct.

- Q. Now if you could refer to Exhibits A and B and describe the type of information that is contained in those two exhibits. You don't have to describe all the information but just the type of information.
- A. Exhibit A shows the record title owner to the leases, describes the state serial number designated to the lease and the expiration date of the lease, and it sets out each tract. Exhibit B describes each land -- each lease, that is, the number of acres in each lease, the serial number designated and the expiration date, the royalty and ownership, the lessee of record, overriding realty owners and working interest owners involved in each lease.
- Q. Mr. Bullock, as reflected on Exhibits A and B, what is the earliest exploration date of any of the leases to be committed to the proposed unit?
  - A. That would be January 1 of 1991.
  - Q. And that is unit tract 3?
  - A. That's correct.
- Q. And you're seeking to have the oil conservation division enter an order approving this unit agreement prior to

1 | January 1, 1991?

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- A. That's correct.
- Q. What is the status of joinder of the lessees and working interest owners to the unit agreement?
- A. We have 100 percent joinder to this unit as of this date.
  - Q. And that's verbal commitments? You don't have any anything executed at this point?
  - A. We have several executed letters and a couple of verbal.

(Applicant's Exhibit No. 3 was marked for identification.)

- Q. Now if you could identify the Applicant's Exhibit 3 in this case and describe what that is, please, sir.
- A. That is the operating agreement for the Red Hat State Unit, and it sets out Yates Petroleum as operator, defines the contract area designated. And it covers all the operations that would be subject to this unit, Red Hat State Unit.
- I might ask you and point out that under Article 6 on page 4, it describes the initial test well as being located 1980 feet from the west line and 3300 feet from the south line of Section 2, and that location had been changed, has it not?
- That's correct. The location has been amended to 1980 from the east line and 3300 from the south of Section 2.

1	Q. And that will be revised prior to the parties'
2	execution and prior to submitting the agreement to the
3	commissioner of public lands for final approval?
4	A. That's right.
5	EXAMINER MORROW: 1980 from the east and what else?
6	THE WITNESS: 3300 from the south line.
7	MR. VANDIVER: That will be the initial test well.
8	Q. (By Mr. Vandiver:) Now if you could refer to
9	Exhibit A of the unit operating agreement which should set out
10	the percentage interests of the working interest owners. And
11	I'd ask you it states here it's being negotiated. What's
12	the status of those negotiations?
13	A. We're in the final stages of all the parties buying
14	and selling and trading acreage. And we understand that
15	yesterday, we think the parties have come to an agreement.
16	But it was too late to get it set out in this exhibit. We
17	anticipate all the parties being in agreement on the interest
18	before we submit the final draft to the commissioner of public
19	lands and to the commission.
20	Q. And this unit operating agreement contains all
21	other customary contractual terms of a joint operating
22	agreement and has been submitted to the working interest
23	owners for approval?
24	A. Yes, it has.

(Applicant's Exhibit No. 4 was

## marked for identification.)

- Q. Now if you would identify the Applicant's Exhibit 4 in this case and describe what that is, please, sir.
- A. This is what we hand delivered to the commissioner of public lands on the Red Hat State Unit along with the unit operating agreement and the geological explanation and tendered it to them for their approval for the Red Hat State Unit.
  - Q. And that letter reflects that you're seeking preliminary approval at this point?
    - A. That's correct.
- 12 Q. And the proposed unit was only just submitted to 13 the state land office today?
  - A. That is correct.
  - Q. So you have no idea as to whether they have any requirements?
    - A. Not at this time.
    - And one of the requirements of the commissioner of public lands for approval of a unit agreement is that an order first be entered by the oil conservation division approving the unit: is that correct?
      - A. That's correct.
  - Q. And it's necessary that Yates have final approval by the commission of public lands and the oil conservation division prior to commencing operations to drill the initial

test well? 1 2 That is correct. Α. 3 And as previously stated, that will hopefully occur 4 before January 1, 1991? 5 Hopefully, yes, it will. Α. 6 Mr. Bullock, were Exhibits 1 through 4 prepared by Q. 7 you or under your direction and supervision? 8 Yes, they were. 9 MR. VANDIVER: Mr. Examiner, I would at this time move 10 admission of Applicant's Exhibits 1 through 4, and that 11 concludes my direct examination of this witness. 12 EXAMINER MORROW: We'll admit those exhibits 1 through 4. 13 (Applicant's Exhibits Nos. 1 through 4 14 were admitted into evidence.) 15 EXAMINATION 16 BY EXAMINER MORROW: 17 I need to be cleared up on the status of the agraement of the working interest owners. It wasn't clear to 18 19 me. Are they all -- you said you had 100 percent joinder, I 20 believe. Does that mean they're all --21

A. Yes, sir, they've all committed. Collins & Ware and Santa Fe Energy wanted a larger percentage of the unit, and they acquired that through a trade with Matador and Plains Radio. And it took a while to get all that done, and we understand that yesterday, they did come to an agreement.

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1 Everybody has their interests like they wanted at this time.

- Q. And it's your opinion that all of them either have or will agree with the unit agreement and the unit operating agreement?
  - A. That's correct.
- Q. Does that include the -- I guess it would. But

  I'll ask you anyhow. Does it include the proposed charges for

  drilling wells and producing wells? Has that been discussed

  with the working interest owners?
- A. Our AFE has not been submitted to them at this time.
  - Q. Looking quickly at this, it's set out one -- I believe it's set out one costs \$540 per as a producing well rate and \$5,400 as the drilling well rate?
  - A. Yes, sir.
- Q. Would that apply at all depths, or is this just for the initial well?
  - A. For the initial well.
  - Q. And that would assume completion at the deeper interval?
    - A. That's correct, yes.
- 22 EXAMINER MORROW: That's all the questions I have of this witness.
- 24 MR. VANDIVER: I have no further questions.

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STERLING FLY 1 the witness herein, having been first duly sworn by the Notary 2 Public, was examined and testified as follows: MR. VANDIVER: May I proceed? 5 EXAMINER MORROW: Yes, you may. DIRECT EXAMINATION 6 BY MR. VANDIVER: 7 8 Q. Mr. Fly, please state your name, by whom you're 9 employed and in what capacity. I'm Sterling Fly, III. I'm a petroleum geologist 10 with Yates Petroleum in Artesia, New Mexico. 11 12 Q. And you have previously testified before the New Mexico Oil Conservation Division as a petroleum geologist, had 13 14 your qualifications as a geologist accepted and made a matter 15 of record; is that correct? 16 7 -1 Yes. 17 Have you made a study of the available geological data regarding the proposed Red Hat State Unit for the 18 purposes of your testimony today? 19 A. Yes, I have. 20 21 And are you familiar with the geological basis for 22 the proposed unit? 23 Α. Yes. 24 And have you prepared certain exhibits to Q. 25 illustrate your testimony today?

1	A. Yes, I have several exhibits.
2	MR. VANDIVER: Mr. Examiner, I would tender Mr. Fly as an
3	expert petroleum geologist.
4	EXAMINER MORROW: Yes, we accept his qualifications.
5	Will you spell your last name for me, please.
6	THE WITNESS: F-1-y.
7	EXAMINER MORROW: Yes, go on. Continue.
8	Q. (By Mr. Vandiver:) Mr. Fly, in your opinion, is the
9	unit area for the proposed Red Hat State Unit logically
LO	subject to unit development?
11	A. Yes.
L2	(Applicant's Exhibit No. 5 was
L 3	marked for identification.)
L <b>4</b>	Q. If I could refer you to Yates Exhibit 5 and ask you
L 5	to describe what that is, just what it is.
16	A. Exhibit 5 is a geological explanation justifying
L7	the formation of the Red Hat State Unit.
L 8	Q. And that's a summary of your testimony today?
L 9	A. Yes, it's essentially the same as what I'll be
20	saying.
21	Q. What is the principal objective, Yates' principal
22	formation Yates is seeking to test in the formation of this
23	unit and the drilling of the initial test well?
24	A. The primary objective, actually twin primary

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objectives, are the lower Atokan sandstone and then a series

1 of lower Morrow sandstones.

- Q. And as previously has been stated, the location of the initial test well is 1980 feet from the east line and 3300 feet from the south line of Section 2?
  - A. That's correct.
- Q. Sections 2 and 3 are irregular sized sections, are they not?
  - A. Yes, they are.

(Applicant's Exhibit No. 6 was marked for identification.)

- Q. Identify Exhibit 6, which is the cross-section, and review the information that's contained in that exhibit for the examiner.
- A. Exhibit 6, cross-section AA Prime, is a stratigraphic cross-section trending from northwest to southeast. The first well to the left or northwest end of the cross-section is a Gulf well up in the northwest corner of Section 3. And the last well on the far right is down in Section 13. Three of the wells -- I'm sorry. Two of the wells, the two to the far left, are wells that are within the unit boundary.

As I said, this is a stratigraphic cross-section.

The stratigraphic datum is a thin line marker within the Atoka shale member, Atoka shale unit. The highlight zones or the primary objectives are shown. They're colored on the

cross-section, the first one, being this in yellow, identified as the Rojo sandstone, sits on the top about 100 feet above the Morrow line top. And then the other -- well, I've also colored in in orange and green two Morrow sandstones. More than likely, there are going to be other sandstones down there, but these are highlighted as typical of the Morrow sandstones. I just point out with respect to the Rojos or the Atokan sandstones, the continuity of electric log character, especially on the right end of the cross-section or the southern end, and the obvious correlation between that sandstone and then that which is present in the Humble well, the second from the left. Also correlation is demonstrated down there in the lower Morrow sandstones.

- Q. And your proposed location is depicted --
- A. Correct.

- Q. -- in the cross-section?
  - A. Between the Humble and the Amoco wells.
- Q. Anything further with regard to that exhibit?
  - A. No, I don't believe so. The primary purpose of the exhibit is just to show the lower Pennsylvanian stratigraphy here, ending with the top of the Mississippian formations.
    - Q. Now if I could --
  - A. I would point out that I will be referring back to this as I talk about some of the maps, so it would be easier if you keep it out.

1	(Applicant's Exhibit No. 7 was
2	marked for identification.)
3	Q. Now would you identify Yates Exhibit 7.
4	A. Exhibit 7 is a subsurface structure map. The datum
5	point is the top of the Morrow formation as indicated on the
6	cross-section. This map indicates that we have a fairly well
7	defined structural high center essentially in the middle of
8	Section 2.
9	Q. Of course, the proposed location is shown on that
10	exhibit as well?
11	A. Correct.
12	Q. Anything further with regard to Exhibit 7?
13	A. Well, the structure in Section 2 has a bearing on
14	the Atokan prospects. But as we get down into the Morrow, the
15	sands there are less structure dependent, so I just wanted to
16	point that out.
17	(Applicant's Exhibit No. 8 was
18	marked for identification.)
19	Q. Now identify Yates Exhibit 8 and describe the
20	information contained in that exhibit, please.
21	A. Okay. Exhibit 8 is an ice pack map, gross ice pack
22	of what's identified as the Rojo sandstone and the Atoka.
23	Again referring back to the cross-section, you'll notice that
24	on the gamma ray of this Rojo sandstone, it has the character
25	of a real clean blocky sand no gradation unward or downward

in there. The character of the sandstone suggests that this sand was deposited in a braided stream deposition environment, braided streams flowing off to the east and southeast.

So with that in mind, the Exhibit 8, the isopach map, demonstrates the character of the sand in a map view, in other words, a migrating type of sand moving off to the east. It's not a widespread sand as the -- oh, the well there in Section 1 doesn't have a value for it, but that's a zero. And some of the wells to the north have very low sand. So it's a fairly well defined sand channel, and the cross-section clearly demonstrates the correlatability between the wells in section 11 and 12 and the well in Section 3.

- Q. When you say the wells in section 11 and 12, you mean --
  - A. Well, the wells --
  - Q. You mean the one in the northwest quarter of Section 12?
  - A. Yes. Well, there's three wells in section 12, and they all show the sand. I believe two of those were on the cross-section.
    - Q. Right.

- A. Right. No, I'm sorry. Just one of them was on the cross-section. The one that says 40 west there in the west half. And also the well there in section 11.
  - Q. Anything further with regard to Exhibit A?

A. Oh, I'd just like to point out that the Atoka will
be enhanced by the occurrence of the structure in the middle
of Section 2. These wells down in section 11 and 12
penetrated very nice looking sands. And some of them were
tested. The one in section 11 wasn't. But it calculated wet
They're wet because they're too low structurally, but we have
a well defined structure there in 2. So as far as the Atoka
is concerned, the presence of the sand and the favorable
structural position should give us probably, you know, two or
three locations in the Atoka, primarily in Section 2.
O In Continu 22

- Q. In Section 2?
- A. Yes. And possibly extending down into 11.
- Q. Okay.

- A. Now I'll also point out right quick the Humble well, the second one on the cross-section there in Section 3, shows a 22 on the isopach map. That well tested gas and no water, so there's probably a location for Atoka in Section 3.
  - Q. In the east half or the west half?
- A. In the east half, possibly on the west half. The structure is poorly defined over there.

(Applicant's Exhibits Nos. 9 and 10 were marked for identification.)

- Q. Now if you would, identify Yates Exhibit 9 and describe the information depicted on that exhibit.
  - A. Okay. I'll talk about Exhibits 9 and 10 both

because they're essentially the same thing. What they are is isoporosity maps for these lower Morrow sandstones. Exhibit 9 is identified -- well, let's see. Okay, Exhibit 10 is identified as the lower Morrow Sombrero sandstone. And that is shown in orange on the cross-section. And Exhibit 9 is shown in green on the cross-section, identified as a basal Morrow sandstone.

These are isoporosity maps, have a porosity cutoff of nine percent. So the values shown in here, for instance, down there in Section 13, the well identify with the green color has five feet of nine percent porosity. Geologically, these maps demonstrate that in the Morrow, these thin sandstones were deposited by channels flowing to the southeast and fairly thin. They're fairly thin in a vertical sense and not particularly wide. But the two wells there shown in green on both of these maps were productive in these lower Morrow sand. And referring back to the structure map, there's no apparent favorable structure there, so it's fairly apparent that the accumulations of gas in Sections 12 and 13 are of a stratigraphic nature.

- Q. And as you move into Section 3, the west half lacks centrol?
- A. Except for the one Gulf well there. They did run -- okay. It's not one of the map units, one of the units I mapped, but they did a drill stem test in the Gulf well

there in Section 3. And on a DST at 13,161 to 184, a gas surface at 828,000 cubic feet of gas per day, so that's just another one of the sands which are to be encountered through this area.

Q. Other than the Atoka and the Morrow, are there any prospective zones you might seek to test in drilling the initial test well and joint test well?

MR. STOVALL: Excuse me.

- A. I'd anticipate drill stem tests in the Wolfcamp and canyon formations. And, oh, the Strawn is a possible test,

  Queen, several other zones. But I would say at least two outside of the lower Penn here.
- Q. Anything further you wish to point out with regards to Exhibits 9 and 10?
- A. No. I just want to emphasize that the accumulations here are not structurally dependent.
- Q. Mr. Fly, based upon your review of this data, what conclusions have you drawn from your study of the proposed unit area?
- A. Well, I've concluded that we have an excellent chance, on the initial locations, that we have an excellent chance of an Atoka gas accumulation and a good chance at the Morrow throughout the entire unit. And also, providing a success on the first well, a possible three, four additional locations to be drilled throughout the unit.

1	Q. In your opinion, Mr. Fly, will approval of this
2	exploratory unit be in the interest of conservation of oil and
3	gas, the prevention of waste and the protection of correlative
4	rights?
5	A. Yes.
6	Q. Were Exhibits 5 through 10 prepared by you or under
7	your direction and supervision?
8	A. Yes, they were.
9	MR. VANDIVER: Mr. Examiner, I would move the admission
LO	of Yates Exhibits 5 through 10, and that concludes my direct
11	examination of this witness.
L2	EXAMINER MORROW: We'll accept the exhibits into
13	evidence.
14	(Applicant's Exhibits Nos. 5 through 10
15	were admitted into evidence.
L6	EXAMINATION
17	BY EXAMINER MORROW:
L 8	Q. Mr. Fly, the wells in Section 3, you mentioned a
19	Gulf well and I believe a Humble well.
20	A. Yes, sir.
21	Q. Apparently from the cross-section that Humble well
22	produced for a while; is that correct or not?
23	A. It produced about 5,000 barrels of oil in the
24	canyon, definitely subeconomic.
25	O. And the canvon is that's Pennsylvanian there?

- A. Yes, sir. It's about 11,2 or 3, I believe.
  - Q. The Gulf well, did they set pipe on it?
  - A. No, it was dry hole all the way.
- Q. Are there any producing wells in the proposed unit area? I assume there are not.
- A. No, there are no current producers. And the only former producer is that poor Canyon.
- Q. Have you made estimates of the recovery you expect from an initial well?
- A. I can just guess based on what the surrounding wells do. And in this area -- well, the two Morrow producers in Sections 12 and 13 made -- one of them made 1.6 billion. The other one made 2 billion. And the Atoka would probably be analogous to that. There are some wells that have really big production off to the south, but --
  - Q. So one and a half to three bcf total?
- 17 A. Yes, sir.

- Q. Are the two wells to the south on the right-hand side of your cross-section, are those two wells currently producing?
- A. I believe that they're -- I believe one of them is producing. The other one may be plugged. And I'm not sure which one is which right offhand, but they are essentially at the end of their life. They're not going to make a lot more even if one of them is still producing.

1	EXAMINER MORROW: Any questions?
2	MR. STOVALL: No questions.
3	EXAMINER MORROW: We have no further questions.
4	MR. VANDIVER: Mr. Examiner, that concludes my
5	presentation in this case. And just to emphasize and say one
6	more time that one of the leases in the proposed unit expires
7	January 1, and we hope to get an order in sufficient time to
8	allow us to build a location and commence drilling prior to
9	January 1, if possible.
10	MR. STOVALL: Mr. Vandiver, it appears that the initial
11	test well is on that lease.
12	MR. VANDIVER: I believe that's right. So, you know, if
13	we don't get it approved, it's not going to be the end of the
14	world, but
15	MR. STOVALL: It'll be a whole lot nicer to drill under a
16	unit order?
L7	MR. VANDIVER: Yes, sure.
18	EXAMINER MORROW: Anything further, Mr. Vandiver?
L9	MR. VANDIVER: No, sir. That's it.
20	EXAMINER MORROW: Case 10134 will be taken under
21	advisement. Take a five-minute break.
22	(The foregoing hearing was adjourned at the approximate
23	hour of 10:35 a.m.)
24	

1	STATE OF NEW MEXICO )
2	COUNTY OF SANTA FE )
3	REPORTER'S CERTIFICATE
4	REPORTER S CERTIFICATE
5	
б	I, DEBORAH LAVINE, RPR, a Certified Shorthand
7	Reporter and Notary Public, DO HEREBY CERTIFY that I
8	stenographically reported these proceedings before the Oil
9	Conservation Division; and that the foregoing is a true,
10	complete and accurate transcript of the proceedings of said
11	hearing as appears from my stenographic notes so taken and
12	transcribed under my personal supervision.
13	I FURTHER CERTIFY that I am not related to nor
14	employed by any of the parties hereto and have no interest in
15	the outcome hereof.
16	DATED at Santa Fe, New Mexico, this 21st of
17	December, 1990 hereby certify that the foregoing is
18	a complete respond as the processitings in the Experiment houstoned the second 10.034.
19	heard by margin Newember 28 1990.
20	Examiner .
21	Dir Conservation Division Opauli Gran
22	DEBORAH ĹAVINE, RPR My Commission Expires: Certified Shorthand Reporter
23	August 6th, 1993 CSR No. 252, Notary Public
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