1	STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT		
2	OIL CONSERVATION DIVISION STATE LAND OFFICE BLDG.		
3	SANTA FE, NEW MEXICO 22 November 1983		
4	EXAMINER HEARING		
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7	IN THE MATTER OF:		
8	Application of McClellan Oil Corpor- ASE ation for a unit agreement, Chaves 7985 County, New Mexico.		
9	and Application of McClellan Oil Corpor- ation for a waterflood project,		
10	ation for a waterflood project, Chaves County, New Mexico.		
11			
12	BEFORE: Richard L. Stamets, Esq.		
13			
14	TRANSCRIPT OF HEARING		
15			
16	APPEARANCES		
17	ATTBARAGES		
18			
19	For the Oil Conservation W. Perry Pearce, Esq.  Division: Legal Counsel to the Division		
20	Division: Legal Counsel to the Division State Land Office Bldg. Santa Fe, New Mexico 87501		
21			
22			
23	For the Applicant: Sim B. Christy, IV, Esq. JENNINGS & CHRISTY		
24	P. O. Box 1180 Roswell, New Mexico 88201		
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Case 7985.

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MR. STAMETS: We'll call next

MR. PEARCE: That case is on

the application of McClellan Oil Corporation for a unit agreement, Chaves County, New Mexico.

MR. CHRISTY: Sim Christy of Jennings and Christy for the applicant, McClellan Oil Corporation.

We move that 7985 now be consolidated with Case 8002 in that they cover the same subject matter.

MR. STAMETS: Okay. Let's call 3002 and we'll consolidate those for the purposes of testimony.

MR. PEARCE: That case is on application of McClellan Oil Corporation for a waterflood project, Chaves County, New Mexico.

MR. STAMETS: You may proceed.

MR. CHRISTY: Thank you. way of introduction, Mr. Examiner, this is an application for a waterflood unit in Chaves County, New Mexico.

The testimony will go over relate also to the Suelimar (sic) unit which is immediately, I think, to the south. And I advise the Examiner that the Unit Agreement which we are proposing is a carbon copy of the Suelimar (sic) unit, so that you would understand that that has been previously approved.

is Mr. McClellan.

When you see the Unit Agreement you will find that it's so much of a copy that I intentionally omitted Paragraph 25, which has to do with federal leases, because this is only State. And I used exactly the same paragraphs throughout the Unit Agreement, by way of explanation.

Also, the rule requires us to notify offset operators by certified mail and the application shows that we did so notify them. And here are the registered return receipts by everyone.

I've had no responses to those registered return receipts except one letter from Santa Fe Energy Company to me of November 9 approving the application, and there is the letter.

I have two witnesses. Would you both stand please.

(Witnesses sworn.)

MR. CHRISTY: Our first witness

## MARK McCLELLAN,

being called as a witness and being duly sworn upon his oath, testified as follows, to-wit:

5 Would you please state your name, your address, by whom you're employed, and in what capacity? Mark McClellan; 878 East Agate; McLellan And that's in Roswell, New Mexico? McClellan, I don't believe you've ever testified before this regulatory body, have you?

No, sir. Α

Oil Corporation; petroleum geologist.

Yes.

I see.

What schools of higher learning did you 0

I graduated from Texas Tech University in Α 1980.

Mr.

DIRECT EXAMINATION

What degree, if any, did you receive? Q

In petroleum geology.

What have you done since 1980 in 0 I see. the geology field?

Α After graduation from Texas Tech I worked for W. S. Wallace and Associates out of Wichita Falls, Texas as a wellsite geologist. And I have been employed with Jack McClellan for the past two years.

This application relates to lands in 29 East, Chaves County. Are you generally familiar South,

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BY MR. CHRISTY:

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go to?

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to the last page of Exhibit One, does that reflect the unit

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1
            What is the unit area?
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             (There followed a discussion off the record.)
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              Α
                         That will be shown--this is the--
6
              0
                         We're looking at the last page of Exhibit
7
           Right here.
     One.
8
                         Right.
              Α
                         All right.
                         Well, it is not outlined on this, but it
10
     is the north half of Section 24.
11
                         North half?
              0
12
              Ά
                         Yes, and the north half of the southeast
13
     and the south and, excuse me, the northeast of the southwest.
14
                         All right.
                                      Now, what kind of lands are
              Q
15
     they? Are they Federal lands, State lands, fee lands? What
16
     are they?
17
                         They are both State leases.
                         State leases?
18
                         Yes, sir.
               Α
19
                          How about the working interest?
                                                             Is
                                                                it
              Q
20
     uniform throughout?
21
                         Yes, sir. It is.
               Α
22
               0
                         And how about the overides?
23
               Α
                          There is a overide on the 40-acre tract
24
     by Marathon Oil Company. They have a one-eighth overide.
25
                         Is that the north, northeast southwest?
               0
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A Yes, sir.

A All right. Now, go ahead. How about the overides on the other?

A There was a one-eighth overide owned by Sun Oil Corporation, but that has been assigned to us.

Q So the present overide is the Marathon one-eighth?

A Right.

Q All right. Now, let's start with the

royalty.

Has the Commissioner of Public Lands approved your proposed form of Unit Agreement?

A Yes, sir.

Informally?

A Yes, sir.

Q And let me hand you what's been marked as Applicant's Exhibit Two and ask you if that is the approval letter from the Commissioner.

MR. CHRISTY: I would mention to

A Yes, sir. It is.

the Examiner the letter is to me. It is dated June 20, 1983 and says that it gives preliminary approval to the unit. Requires eight things to be furnished. The only one that we could do at this time was Item One, which has been done. The rest of them have to come in with the application for final approval, like paying filing fees and redesignating well numbers and that type of thing, which will be done, and we

it

1 will furnish to the Commission the formal approval by the Commissioner at the--when we receive it. Α Sim, here are four copies of the outline of the unit. 5 All right. Let me hand you what's been 6 marked as Applicant's Exhibit Three and ask you if that's 7 a little better picture of the outline of the unit that 8 you're referring to. Α Yes, sir. 9 All right. Now, now let's take the unit 10 itself. The Unit Agreement. 11 Let me hand you what's been marked 12 Applicant's Exhibit Four. Is that the proposed form of Unit 13 Agreement? 14 Α Yes, sir. 15 You heard my initial statement that 0 16 almost a carbon copy from the Suelimar (sic). Is that 17 true? Yes, sir. 18 And the changes are because there's 19 Federal lands involved? 20 Yes, sir. 21

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Is that correct? What is the allocation 0 of production except working interest? Is that on a acreage basis, service acreage basis, or is it factors depending upon the tracts?

> I'm not exactly sure what you mean. Α

Yes, sir.

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Let me take one more question, Mr. Examiner, in response to your suggestion.

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Let me hand you what's been marked as Applicant's Exhibit Eight. Is this the application for authority to inject--

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2	A	Yes, it is.
3	Q	The C-108 we're speaking of?
4	A	Yes.
5		MR. CHRISTY: Now I have no
	further question	5.
6		
7		CROSS EXAMINATION
8	BY MR. STAMETS:	
9	Q	Mr. McClellan, this is the far northern
10	extension to the	Double-L Queen Field, is that correct?
11	А	Yes, sir.
12	Q	And did you go out there to see if there
13	was any fresh wa	ter in the area?
14	Α	No, sir, but Iwe drilled seven wells
	there ourselves	with a cable tool rig and I do have the re-
15	ports from the d	rillers, which I have looked at, and in five
16	or six wells the	y did encounter some water at around 250
17	feet and in all	those instances casing was run past that
18	depth and cement	circulated.
19	Q	One of the requirements for filing the
20	108 is a sample	of any fresh water from water wells within a
21	mile of theof	the project.
22		Have you had anybody go out there and see
23	_	windmills or fresh water sources in that
	area?	
24	A	I have been out there and to my knowledge
25	there is not any	type of a fresh water there at the surface

1 there that I could catch a sample from, any type of a wind-2 mill. MR. STAMETS: Are there other questions of the witness? He may be excused. 5 MR. CHRISTY: Call Mr. Joe 6 Johnson, please. 7 8 JOE JOHNSON, being called as a witness and being duly sworn upon ij his bath, testified as follows, to-wit: 10 11 DIRECT EXAMINATION 12 BY MR. CHRISTY: 13 MR. CHRISTY: Mr. Examiner, we 14 will recheck the question of whether there's any windmills 15 or anything within a mile, and Mr. McClellan, would you re-16 port that to the Commission, please? 17 MR. McCLELLAN: sir, Yes, will. 18 MR. CHRISTY: Thank you, and 19 whether you find it yes or no, either way. 20 MR. McCLELLAN: Okay. 21 Please state your name, your address, by Q 22 whom you're employed, and in what capacity? 23 My name is Joe Johnson, Junior. I live Α 24 Employed by Steat 2409 Brentwood, Wichita Falls, Texas. 25 vens Engineering; I'm a partner in the firm.

A Yes, they have.

Q Do you have a copy of that report?

mately ten to twelve years.

This project is a very similar project to it. It is the extension of, but a separate sands from, the Burk Royalty Project, and appears to have the same floodable characteristics as the other two projects have.

Q What would be your recommendations with respect to operations or initial operations?

A We studied the property and have prepared a report concerning what should be done. Generally speaking we're requesting that the operator drill four water injection wells at locations shown on the maps that have already been presented, and install the waterflood project utilizing these four wells plus one well that would be con-verted from the existing wells that would give us five water injection wells.

We'll utilize the remaining wells for producing wells, plus drill a clean-up well in probably one to two years. This well would be located in the center portion of the peripheral injection pattern that we have recommended.

Q You say you've gotten--you've made a report on your recommendations?

A Yes, I have.

Q Have they been accepted by the operator, McClellan Oil Corporation?

1		18		
2	A	Yes, sir.		
3	Q	May I have it, please, sir?		
4		Let me hand you what has been marked as		
	Applicant's Exhib	it Number Nine and ask you if that is your		
5	report and your red	commendations as accepted by the operator?		
6	A	Yes, it is.		
7	Q	All right, sir, is there anything you'ld		
8	like to comment al	oout the report or do you feel it's self-		
9	explanatory, or what?			
10	A	The report is self-explanatory. It goes		
11	through all of the	history of the project, the geology, an		
12	estimate of recove	erable oil both by primary and secondary,		
13	recommended injection program, organization, cost estimates,			
	economic analysis,	general summary, concerning the entire		
14	project.			
15		MR. CHRISTY: I'd like to state		
16	to the Commission,	I personally know that McClellan has ac-		
17	cepted that report	and is planning to operate under that re-		
18	commendation.			
19	Q	Anything else, Mr. Johnson?		
20	A	No, sir, I don't believe I have anything		
21	else.			
22		MR. CHRISTY: No further ques-		
	tions.			
23				
24				
25				

20 1 Q Okay, now are all of these wells either 2 drilled or to be drilled more or less identically with 150 3 feet of surface casing and 1975 feet of 4-1/2? Yes, sir. 5 Okay, and you plan to use the same amount 6 cement on every well, and this top of cement at 7 is that what you've been finding out there on wells 8 that have been drilled? Yes, sir, that's approximately correct. 9 Α Okay. Now the injection interval is not 0 10 going to be exactly 1925 to 1936 on every one of these 11 wells. 12 No, sir, it is not. Α 13 So it's going to be about 1925. 0 14 Yes, sir. Α 15 Q Okay. As a matter of fact I see on the 16 page that the one well that is already completed, the 17 interval is 1942 to 1948. Yes, sir. Α 18 Will you know exactly what the interval is 0 19 until the wells are drilled? 20 No, sir, we will not know until they're Α 21 drilled. 22 All right, then the next page, I presume, Q 23 is just a sketch of a typical injectionw well. 24 Yes, sir, that is correct. Α 25 Q Okay, the next page shows the project

1 22 pressure is 1000 psi. I presume you're aware that we've got 2 that .2 pound per foot--3 Yes, sir. Α --limitation. 5 Α Yes. 6 And anything over that would require a 0 7 step rate test. 8 Α Yes, sir. 9 All right. O MR. STAMETS: Any other ques-10 tions of the witness? He may be excused. 11 Anything further in this case? 12 MR. CHRISTY: Applicant offers 13 in evidence Applicant's Exhibits One to Nine, inclusive. 14 MR. STAMETS: The exhibits are 15 admitted. 16 MR. CHRISTY: Thank you. 17 Examiner, we will furnish to the Commission the unit agreement as executed and the -- a copy of the unit operating 18 agreement as executed, with the Commission's approval. 19 MR. STAMETS: That will be 20 fine. 21 MR. CHRISTY: That's all. 22 MR. STAMETS: If there is 23 nothing further, this case will be taken under advisement. 24 25 (Hearing concluded.)

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CERTIFICATE

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 COR

Oil Conservation Division