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2	I N D E X
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4	STEVEN KING
5	Direct Examination by Mr. Carson 3
6	Cross Examination by Mr. Stamets
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12	EXHIBITS
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14	Applicant Exhibit One, Application 5
15	Applicant.Exhibit Two, Schematic 6
16	Applicant Exhibit Three, Decline Curves 7
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2	Q. Would you tell the Commission a little bit
3	about your educational background and experience?
4	A. Graduated from the University of Missouri
5	at Rolla in May of 1982 with a BS in petroleum engineering.
6	I started work with Petro-Lewis June 1st of
7	1982, and have been so employed since then.
8	Q. Have you been employed fulltime by Petro-
9	Lewis since graduation as a petroleum engineer, is that cor-
10	rect?
11	A. Yes, sir.
12	MR. CARSON: Are the witness' qual-
13	ifications acceptable?
14	MR. STAMETS: They are.
15	Q. Mr. King, would you state the purpose of
16	this application?
17	A. The purpose of this application is Petro-
18	Lewis seeks approval for the downhole commingling of the Abo
19	Drinkard, and Blinebry production in the wellbore of its Art
20	Yeager Well No. 1, located in Unit J, Section 25, Township 2
21	South, Range 37 East.
22	O. Mr. King, this well, this Art Yeager Well
23	
24	offsets the Gulf Sarkeys Well No. 2, which has been the sub-
	ject of a downhole commingling order No. R-6696, is that not
25	true?

5 1 Yes, sir. And the characteristics of these two wells 3 are somewhat similar, aren't they? 4 Yes, sir. 5 And so from time to time we will compare the 6 characteristics of the Sarkeys No. 2 and the -- this well. 7 Yes, sir. 8 And in Order No. R-6696 the Commission, or 9 the Division, I quess I should say, placed a restriction in 10 that order, stating that if the Sarkeys Well was shut-in for 11 more than seven consecutive days, that you would notify the 12 OCD in Hobbs and would then file a plan for remedial action. 13. Yes, sir. 14 And you would -- it would be satisfactory to 15 you to have such a requirement in this order as well, (inaudible) 16 17 to do so. Yes, sir. 18 I'm going to refer you to Applicant's Exhibit 19 Number One, and ask you to identify that exhibit. 20 This is an application as originally filed 21 by myself to the Oil Conservation Commission for the downhole 22 23 commingling. 24 And was that exhibit prepared by you or under your supervision? 25

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2	A. Yes, sir.
3	0. Would you in general terms explain that to
4	the Examiner and I think you need to make a correction or two
5	on it, so explain those corrections.
6	A. The application was filed under Rule 303-C
7	and it was prepared originally for your administrative appro-
8	val but it had to come in here. And the correction that needs
9	to be made is in Section F of the original application.
,	
10	There was a gauge pressure that was added
11	to the downhole pressure on the Abo and Drinkard that shouldn'
12	have been included in that that pressure. The pressure
13	should be 235 psi.
14	Q. Is that exhibit prepared from information
15	in the files of the company?
16	A. Yes, sir.
17	Q. And is it true and correct to the best of
18	your knowledge?
19	A. Yes, sir.
20	Q. I'm going to refer you next to Applicant's
21	Exhibit Number Two and ask you to identify that exhibit, if
22	yoù:will.
23	A. This is a corrected wellbore schematic.
24	There was a lower perforations on the Abo left out on the
25	original application, and they are included on this schematic.

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2	Q. I refer you to Applicant's Exhibit Number
3	Three and ask you to identify that, please.
4	A. These were the these are the decline
5	curves on the Art Yeager No. 1 for the Drinkard and Abo form-
6	ations.
7	Q. Was there was that exhibit also prepared
. 8	by you or under your supervision?
9	A. Yes, sir.
10	Q. I want to refer you to Applicant's Exhibit
11	Number Four, which is not a part of the original package sub-
12	mitted to the Commission, and ask you to identify that.
13	A. It's a current 24-hour test on the Blinebry
14.	formation in the Art Yeager No. 1.
15	Q. I hand you what's been marked as Applicant's
16	Exhibit Number Five, which is actually three pages, two of
17	which apply to the Art Yeager No. 1 and the thid of which, I
18	believe, is a test results from the Gulf Sarkeys No. 2, which
19	is part of the record in the Commission's , is that not true?
20	A. Yes, sir.
21	Okay, would you explain what those show for
22	the Hearing Officer?
23	A. The first two, the first one itself is the
24	water analysis on the Blinebry formation and it was conducted
25	on July 16th, 1982.

6..

The second is an older water analysis that was conducted on the Drinkard formation, back 9-9 of '70. We do not have a water analysis for the Abo formation.

The third page is the water analysis which was conducted on the Gulf Sarkeys No. 2, which offsets the Art Yeager No. 1 approximately 1830 feet to the northwest. It is in -- it is currently triple commingled in the same zones that we are applying for triple commingling in, and this is a water analysis that was conducted on 11-22 of '82 and it is -- and it is a water analysis of all three zones that have been commingled.

Q. Is there any reason to expect that the analysis in the Sarkeys would be different than the analysis -- in general terms, than the analysis in the Art Yeager?

A. No, sir, we would expect it to be almost the same.

Q. And I'd like to hand you what I've marked as Applicant's Exhibit Number Six and ask you to identify that.

A. This is a production allocation. It was prepared as an expansion of the production allocation that was included in the original application.

The Order No. DH3-73 was the original down-hole commingling of the Wantz-Abo and Drinkard, and it has the breakdown that was used for that downhole commingling applica-

23 slight scaling tendency of calcium carbonate at 120 degrees, 24 and calcium sulphate at 70 degrees, but in our production of 25 the Gulf Sarkeys No. 2 since July of 1981 when it was triple

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CROSS EXAMINATION

4 BY MR. STAMETS:

0. Mr. King, have you plotted anywhere the decline curve on the Blinebry?

A. We have -- have more production than what you show in the original application, with only -- we have production for August and September, as well as June and July, and for four months there will be no need to plot it. You really wouldn't have any -- you wouldn't really know anything from that.

What we base our -- we think that the Bline-bry has reached stable production because on the original application the 24-hour test of the Blinebry formation showed 6 barrels of oil produced with 7 waters of -- 7-barrels of water, and the current test shows the same production of oil and same production of water.

- Q. What date was the first test?
- A. 9-23 of '82. The second one is 11-16 of
 - Q. Okay. So on that basis you feel you have achieved stable production.
- A. Yes, sir.
- Q. I take it the original application did not

1	13
2	MR. STAMETS: Any other questions of
3	the witness?
4.	MR. CARSON: I forgot one question,
5	Mr. Examiner, and that is you have checked with all the off-
6	setting operators and they have signed in writing that they
7	have no objection to this application.
8	A. Yes, sir. The original plot shows two lease
9	that we were not able to determine the ownership of, but there
10	are no producing wells on those two locations.
11	MR. STAMETS: The Division has re-
12	ceived a copy of a waiver from Amoco Production Company rela-
13	tive to this downhole commingling.
14	Any other questions? The witness may be ex-
15	cused.
16	Anything further?
17	The case will be taken under advisement.
18	
19	(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.

Sarry W. Boyd CSR

I do hereby certify that the foregoing is a complete result of the proceedings in the Examiner Learning of Case No. 2732, heard by the on 11-23 19-82

Oil Conservation Division