CASE 6671: CHAPMAN AND SCHNEIDER FOR SALT WATER DISPOSAL, LEA COUNTY, NEW MEXICO

CASE NO. 6to71 APPlication, Transcripts, Small Exhibits, ETC.



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PAUL G. WHITE

Direct Examination by Mr. Kellahin Cross Examination by Mr. Nutter

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	1	MR. NUTTER: Call Case Number 6671.
	2	MR. PADILLA: Application of Chapman and
	3	Schneider for salt water disposal, Lea County, New Mexico.
	4	MR. KELLAHIN: Tom Kellahin, appearing on
	5	behalf of the applicant. And I have one witness.
	6	
	7	(Witness sworn.)
	8	
	9	PAUL G. WHITE
4487 4482 601	10	being called as a witness and having been duly sworn upon
(665) 471-3462 Mexico 87501	11	his oath, testified as follows, to-wit:
	12	
Gentre au anonit 163 û Plaza Blanca Santa Fe, New	13	DIRECT EXAMINATION
10 5 0 f	14	BY MR. KELLAHIN:
	15	Q. Mr. White, would you please state your
	16	name, by whom you're employed, and in what capacity?
	17	A. Paul G. White, Consultant Petroleum En-
	18	gineer, Artesia, New Mexico.
	19	9. As a petroleum engineer, Mr. White, have
	20	you previously testified before the New Mexico Oil Conser-
	21	vation Division?
	22	A. Yes, sir, I have.
	23	Q. And pursuant to your employment by the
	24	Applicant, have you made a study of his proposed salt water
	26	disposal well?

SALLY WALTON BOYD CERTIFIED SHORTHAND REPORTER 2010 Taxa Bandar (10.6) 171-1402 Santa Fe, New Maridoo 81701

MR. KELLAHIN: We tender Mr. White as an

expert witness. MR. NUTTER: Mr. White is gualified. (Mr. Kellahin continuing.) Mr. White, 0 would you please refer to applicant's Exhibit Number One, identify the proposed location of the salt water disposal well and the other information contained on that exhibit? A. Yes, sir. The green dot on the exhibit, on the plat, identifies the Chapman and Schneider Ogg A Well No. 3, which is located 1980 feet from the north line and 660 feet from the west line in Section 35, Township 24

Yes, sir, I have.

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South, Range 36 East, Lea County, New Mexico.

Mr. White, what is the proposed zone of Q. disposal?

They proposed to dispose the produced A. salt water in the Seven Rivers Reef formation, which occurs in the open hole interval in this well from 3422 to 3504.

19 Would you identify for us what is to be 0. 20 the source of the water to be disposed of in this well? 21 Yes, sir, the source of the water, the A. 22 produced water, will come from the Chapman and Schneider 23 Ogg A lease, which is in Section 35, 24 South, 36 East, and from the Woolworth lease, the Chapman and Schneider Woolworth lease, located in Section 26, 24 South, 36 East. There's

two wells on the Woolworth lease and six wells on the Ogg A lease.

MR. NUTTER: Now, would you describe the boundaries of those leases, Mr. White, please?

A. Yes, sir. The Ogg A lease consists of Unit G, which would be the -- which would be the southwest quarter of the northeast quarter of Section 35, and Unit 2-B in Section 35, which is the northwest quarter of the northeast quarter. The Unit 3-E, which is the proposed salt salt water disposal well location, which is in the southwest of the northwest quarter, Section 35; Unit 4-D, which is in the northwest quarter northwest quarter of Section 35; and Unit 6-B, which is in the northwest quarter of the northeast quarter, Section 35. That comprises the Ogg A lease.

MR. NUTTER: Okay. In other words, it's composed of two 80-acre tracts. One is the north-- one is the west half of the northeast, and the other is the west half of the northwest.

A. Yes, sir.
MR. NUTTER: Of Section 35.
A. That's right.
MR. NUTTER: And you say there are six
wells all told on that lease.
A. Yes, sir, that's correct.

MR. NUTTER: Okay, and then up in Section

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	1	26.	:
	2	A. All right, in Section 26 we have the	
	3	Chapman and Schneider Woolworth lease, which is comprised of	
	4	Unit 1-J, which is the northwest quarter of the southeast	
	5	quarter; and Unit 2-I, which is the northeast quarter of the	
	6	southeast quarter, so that would be the north half of the	
	7	southeast quarter, Section 26, 24, 36.	
	8	MR. NUTTER: Okay, so what we're talking	
	9	about is water produced from three 80-acre tracts in Sections	
	10	26 and 35.	
	11	A. Yes, sir, that's right.	
	12	MR. NUTTER: Okay, and there are six wells	
	13	in 35 and two wells up here in Section 26, is that it?	
	14	A. Yes, sir, that's correct.	
	15	MR. NUTTER: Okay, go ahead Mr. Kellahin.	
	16	$\Omega$ (Mr. Kellahin continuing.) What is the	
	17	total daily volume of produced salt water to be disposed of	
	18	in this well?	
	19	A. We anticipate that the Ogg A lease will	
	20	produce approximately 300 barrels of water per day when fur-	
	21	Ogg A wells are restored to production, which are temp-	
	22	orarily abandoned at the present time.	
,	23	The Chapman-Schneider Woolworth lease pre-	
	24	sently produces at a rate of about 3000 barrels of water per	
	25	day, so the daily volume which we anticipate injecting would	

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1 be 3300 barrels a day. 2 MR. NUTTER: Those two wells in Section 36 3 are making 3000 barrels of water a day? Yes, sir, that's correct. A. 5 Do you propose to dispose of the produced 6 water under pressure or will this well take it under a 7 vacuum? 8 A. The well will take the water under vacuum. Q 0. What is the circle drawn on Exhibit Number 10 One; what does it represent? 11 That represents a radius around the salt A. 12 water disposal well, which we have drawn in there to indi-13 cate the -- Tom, that indicates the offset operators that 14 are within a certain radius from the salt water injection 15 well. 16 What is the color code on the Exhibit Q. 17 Number One, what does it represent? You've identified all 18 the wells that produce or have produced from this zone? 19 I think the Examiner has the only color A. 20 coded plat that we have, Tom. 21 We'll have to refer to it. 22 What it actually does, though, if you'll 23 notice on the plat, it sets out the wells that are completed 24 in the Jalmat, the Langlie Mattix, Custer Devonian, and present salt water disposal wells in the area.

I don't have the color, Mr. Examiner, on my plat, but that's what it indicates on yours,

Would you refer to Exhibit Number Two and Q. identify it?

Okay. Exhibit Number Two is the diagram-A. matic sketch of the mechanics on the proposed salt water disposal well, the Ogg A No. 3. This diagrammatic well sketch shows the present casing program. It shows the proposed depth of the tubing which will be set in the well. It shows the tops of the cement behind each string of casing, and it shows the arrangement on the surface as per New Mexico Oil Conservation Commission regulation; shows the piping and pressure gauges which will monitor any flow or pressure into the various strings of casing.

It's proposed that there be proper piping and pressure gauges in the annular space between the 9-5/8ths and the 7-inch casing; there'll be proper piping and pressure gauging to monitor the flow between the 7-inch casing and the tubing, and the surface pipe will be dug out and exposed.

I've forgotten, Mr. White, is this an existing well?

> Yes, sir, this is an existing well. And it produced from what formation? From the Seven Rivers Reef.

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All right, and you'd simply convert it Q. 2 into salt water disposal? Yes, sir, that's their proposal. 3 Α. Do you have a log of that well? Q. 5 A. No, sir, I do not have a log, and there's been some attempts to obtain one, and we may have found a 6 7 source for a log on it and we would like, with the Commis-8 sion's consideration here, we'd like to mail it in later, if we could. 10 Would you please refer to Exhibit Number Q. 11 3 and identify it? 12 Would you please identify what we've marked

as Exhibit Number Three?

This exhibit was prepared because of the A. rules and regulations of the New Mexico OI1 Conservation Commission which requires a tabulation of wells within a half mile radius of the Ogg A No. 3, the proposed salt water disposal well, and it shows all of the -- it's a tabulation of all the wells within that half mile radius, and it was prepared simply to comply with the New Mexico Oil Conservation Commission rule.

All right, sir. Please refer to what we Q. have marked as Exhibit Four and identify it.

A. Exhibit Four shows the data which is necessary to present the salt water disposal well. The injection

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pressure is, of course, on vacuum. They intend to inject into the formation called the Seven Rivers Reef; estimated volume, 3300 barrels per day, and this again points out the source of the water which will be injected.

Q. What does the applicant currently do with the water produced from these wells?

7 A. I assume that this water at the present
8 time is being hauled from the lease.

Q. Number Five.

A. Tom, that's an assumption there. I'm not sure.

Exhibit Number Five complies with the New Mexico Oil Conservation Commission rule and regulation which requires that the produced water that will be injected be analyzed by an independent laboratory for chemical analysis, and this is simply a sample of water which was sent in to the Wolfe Petroleum Lab, Incorporated, and analyzed in Odessa, Texas.

Q Please identify Exhibit Number Six.
A Okay. Exhibit Number Six complies with the New Mexico Conservation Commission regulation in that we are to furnish a diagrammatic sketch of all of the wells which are plugged and abandoned within a certain radius of the salt water disposal well, and these are sketches showing the casing, the top of the stubs, the cutoff points, and the

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1 casing that was left in the hole and the tops of cement, and 2 so on, that was in these wells in and around the Ogg A lease. Q. Mr. White, in your opinion, are all the 3 offset wells that might be affected by disposing of produced 4 salt water in this disposal well, are all those wells ade-5 quately cemented or otherwise protected so that the disposed 7 water will remain confined within the Seven Rivers Reef?

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Yes, sir. I studied these diagrammatic A. sketches of these wells around this proposed salt water disposal well, and as near as I can determine, all of the casing cutoff points and cement was left or added to protect the -- and control the water injected.

Would you please refer to Exhibit Number . Q. Seven and identify it?

Exhibit Number Seven is letters of waiver A, from some of the offset operators in the area, and Mr. Examiner, I do not know if we have a letter from all of the offset operators, but we do have from four of the --MR. NUTTER; We've got a letter from two

20 here, Sam D. Ares and Conoco.

21 Okay, we got a -- here's a Burleson & Huff. A. 22 It appears that two of the letters came in from Conoco, so 23 we have letters from three of the offset operators. They are 24 letters of waiver stating that they do not object to the injection of salt water, produced water, into this Ogg A No.3

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Q Mr. White, were Exhibits One through
 Seven compiled under your supervision and direction?
 A. They were either prepared by me or com-

piled under my direction and at my request.

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Q Based upon your study of the material in the exhibits and your knowledge of this area, are those exhibits true and correct?

Yes, sir, they are.

Q And in your opinion will approval of this application be in the best interests of conservation, the prevention of waste, and the protection of correlative rights?

A Yes, sir, that is correct. In my opinion the -- disposal of the produced water in any other method will cost in excess at today's prices of \$1500 a day, and this is prohibitive and would leave certain reserves in the ground that could not be recovered otherwise, unless the salt water disposal well is approved.

MR. KELLAHIN: We have nothing further. We move the introduction of Exhibits One through Seven. MR. NUTTER: Chapman's Exhibits One through Seven will be admitted in evidence.

CROSS EXAMINATION

BY MR. NUTTER:

Q Mr. White, now referring to your Exhibit Number Two, I believe it is, no, it's Exhibit Number Three. It shows here on the surface pipe on a number of these wells, which are the wells that are located within a half mile of the proposed injection well, that on the surface pipe cement has been circulated in a number of instances, but in approximately five instances, you say that the cement was circulated, calculated.

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Why is it calculated that the cement is circulated rather than known whether it was circulated?

A Well, sir, at the time these wells were drilled, Mr. Examiner, I'm sure that the conditions on the well were not nearly as restrictive as they are now, and the drilling contractor would call out the cement for the surface pipe. This was the general practice, anyway, and they would pump the cement down and those could have -- in all probability it wasn't even noted on the drilling report whether it circulated or not, and in cases where it was filed with the Commission, where it circulated, this was put in the tabulation. Of course, where it was not noted we had no way of knowing, and we had to calculate the top. And in most cases the one sack per foot ruling, which was in effect then, the cement would circulate.

Q But these are instances where the well file did not indicate for sure that cement was circulated.

Yes, sir, that's correct. A. 2 They give you a quantity of cement and you Q. 3 calculated the void or the volume behind the pipe there --A. Yes, sir, that's correct. -- and you think it circulated? 0. A. Yes, sir, that's -- we had to make those 7 assumptions and it's my understanding the area's monitored 8 pretty carefully, though, for any kind of indication on sur-9 face  $pipe^{4t}$  that -- outside the surface pipe for any indication 10 of any breakout. 11 Q. Well now, what is the present status of 12 this Ogg 3 Well? 13 As I understand it, Mr. Examiner, it's A. 14 just temporarily abandoned and waiting for approval as a salt 15 water disposal well. I do not know if they have run the 16 tubing and packer in the well yet. 17 And was it producing from the Seven Rivers Q. 18 Reef? 19 Yes. sir, that's correct. A. 20 And the same open hole interval that you Q. 21 are proposing to dispose? 22 Yes, sir, as I understand it, that's right. A. 23 And it watered out, I presume? 0. 24 The -- I do not know the answer to that, A. 25 Mr. Examiner. I don't know.

1 We can look back and send that tabulation in to Mr. Kellahin if it would help in the case. We can 2 look back and see what happened to the well. I would -- I 3 would --How long has it been shut in? Q. 5 A. Oh, I think since 19 -- let me see on my 6 see, most of these were abandoned, according to this tabu-7 lation, most of these were abandoned back in 1947 and '48. 8 Q. Who was the operator of the wells at that 9 10 time? 11 Texas Pacific. A. 12 Q. These are old TP leases, then. 13 Yes, sir. A. 14 How long has Chapman and Schneider owned 0. 15 them, do you know? 16 I do not know, no, sir. Α. 17 Q. Well, we will take administrative notice 18 of the history of this well and the wells in the immediate 19 vicinity, production, and water production. 20 MR. KELLAHIN: You have that information, 21 you won't need us to send it to you? 22 MR. NUTTER: No, we'll find it. 23 Mr. Examiner, I have some current informa-A. 24 tion only from January of '79 up to the present time. I do have that production tabulated.

Q. Now, what wells were producing, that you 2 know. A. Okay, the only well producing on the Chapman-Schneider Ogg A lease was Well No. 6-B, in Section 35, 24, 5 36. Uh-huh. Q. 7 A. And then both of the Woolworth Wells were 8 producing, and are presently producing. At the present time 9 we show five of the Ogg A Wells temporarily abandoned. 10 I see, which would include this proposed <u>Q</u>. 11 disposal well. 12 A. Yes, sir, and it had a cumulative recovery 13 of, oh, well, I don't have that number, but it shows that it 14 was temporarily abandoned in December of 1975 on this tabu-15 lation. 16 So there's, evidently, there's been no 17 production since 1975. 18 MR. NUTTER: Are there any further questions 19 of the witness? He may be excused. 20 Do you have anything further, Mr. Kellahin? 21 MR. KELLAHIN: No, sir. 22 MR. NUTTER: Does anyone have anything they 23 wish to offer in Case Number 6671? 24 We'll take the case under advisement. 26 (Hearing concluded.)

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17 REPORTER'S CERTIFICATE 2 3 I, SALLY W. BOYD, a Court Reporter, DO HEREBY CERTIFY 4 that the foregoing and attached Transcript of the Hearing 5 before the Oil Conservation Division was reported by me; 6 that said transcript is a full, true, and correct record 7 of the hearing, prepared by me to the best of my ability, from my notes taken at the time of the hearing. 8 9 Sally W. Boyd, C.S.R. 10 ALTON BOY 11 12 SALLY W 13 14 that the foregoing is 15 of the proceedings in I do har 667 16 the Exaction hoaring of Sasa heard by me on 17 , Examiner Â 18 Oil Conservation Division 19  $\langle C \rangle$ 20 21 22 23 24 25



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PAUL G. WHITE

Direct Examination by Mr. Kellahin Cross Examination by Mr. Nutter

## EXHIBITS

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MR. NUTTER: Call Case Number 6671.
MR. PADILLA: Application of Chapman and
Schneider for salt water disposal, Lea County, New Mexico.
MR. KELLAHIN: Tom Kellahin, appearing on
behalf of the applicant. And I have one witness.

(Witness sworn.)

PAUL G. WHITE

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

DIRECT EXAMINATION

BY MR. KELLAHIN:

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Mr. White, would you please state your
 name, by whom you're employed, and in what capacity?
 A Paul G. White, Consultant Petroleum Engineer, Artesia, New Mexico.

Q As a petroleum engineer, Mr. White, have you previously testified before the New Mexico Oil Conservation Division?

Yes, sir, I have.

Q And pursuant to your employment by the Applicant, have you made a study of his proposed salt water disposal well?

Yes, sir, I have.

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MR. KELLAHIN: We tender Mr. White as an expert witness.

MR. NUTTER: Mr. White is qualified. Q. (Mr. Kellahin continuing.) Mr. White, would you please refer to applicant's Exhibit Number One, identify the proposed location of the salt water disposal well and the other information contained on that exhibit? A. Yes, sir. The green dot on the exhibit, on the plat, identifies the Chapman and Schneider Ogg A Well No. 3, which is located 1980 feet from the north line and 660 feet from the west line in Section 35, Township 24 South, Range 36 East, Lea County, New Mexico.

Q Mr. White, what is the proposed zone of disposal?

A. They proposed to dispose the produced salt water in the Seven Rivers Reef formation, which occurs in the open hole interval in this well from 3422 to 3504.

Q Would you identify for us what is to be
the source of the water to be disposed of in this well?
A. Yes, sir, the source of the water, the
produced water, will come from the Chapman and Schneider
Ogg A lease, which is in Section 35, 24 South, 36 East, and
from the Woolworth lease, the Chapman and Schneider Woolworth
lease, located in Section 26, 24 South, 36 East. There's

LLY WALTON BOYD FFED SHOATHAND REPORTER FALL BLUGG (165) 471-2462 BLUGG (166) 471-2462 BLUGG (166) 471-2462 two wells on the Woolworth lease and six wells on the Ogg A lease.

MR. NUTTER: Now, would you describe the boundaries of those leases, Mr. White, please?

A. Yes, sir. The Ogg A lease consists of Unit G, which would be the -- which would be the southwest quarter of the northeast quarter of Section 35, and Unit 2-B in Section 35, which is the northwest quarter of the northeast quarter. The Unit 3-E, which is the proposed salt salt water disposal well location, which is in the southwest of the northwest quarter, Section 35; Unit 4-D, which is in the northwest quarter northwest quarter of Section 35; and Unit 6-B, which is in the northwest quarter of the northeast quarter, Section 35. That comprises the Ogg A lease.

MR. NUTTER: Okay. In other words, it's composed of two 80-acre tracts. One is the north-- one is the west half of the northeast, and the other is the west half of the northwest.

A Yes, sir.
MR. NUTTER: Of Section 35.
A That's right.
MR. NUTTER: And you say there are six
wells all told on that lease.
A. Yes, sir, that's correct.

MR. NUTTER: Okay, and then up in Section

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2	A. All right, in Section 26 we have the	
3	Chapman and Schneider Woolworth lease, which is comprised of	
4	Unit 1-J, which is the northwest quarter of the southeast	
5	quarter; and Unit 2-1, which is the northeast quarter of the	~
6	southeast quarter, so that would be the north half of the	
7	southeast quarter, Section 26, 24, 36.	
8	MR NUTTER: Okay, so what we're talking	
9	about is water produced from three 80-acre tracts in Sections	
10	26 and 35.	
11	A. Yes, sir, that's right.	
12	MR. NUTTER: Okay, and there are six wells	
13	in 35 and two wells up here in Section 26, is that it?	
14	A Yes, sir, that's correct.	
15	MR. NUTTER: Okay, go ahead Mr. Kellahin.	
16	Q. (Mr. Kellahin continuing.) What is the	
17	total daily volume of produced salt water to be disposed of	-
18	in this well?	
19	A. We anticipate that the Ogg A lease will	
20	produce approximately 300 barrels of water per day when fur-	. •
-21	ther Ogg A wells are restored to production, which are temp-	-
22	orarily abandoned at the present time.	
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be 3300 barrels a day.

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vacuum?

MR. NUTTER: Those two wells in Section 36 are making 3000 barrels of water a day?

A Yes, sir, that's correct.

Ω Do you propose to dispose of the produced water under pressure or will this well take it under a

A. The well will take the water under vacuum.
 Q. What is the circle drawn on Exhibit Number
 One; what does it represent?

A. That represents a radius around the salt water disposal well, which we have drawn in there to indicate the -- Tom, that indicates the offset operators that are within a certain radius from the salt water injection well.

Q What is the color code on the Exhibit Number One, what does it represent? You've identified all the wells that produce or have produced from this zone?

A. I think the Examiner has the only color coded plat that we have, Tom.

We'll have to refer to it.

What it actually does, though, if you'll notice on the plat, it sets out the wells that are completed in the Jalmat, the Langlie Mattix, Custer Devonian, and present salt water disposal wells in the area.

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I don't have the color, Mr. Examiner, on my plat, but that's what it indicates on yours.

Q. Would you refer to Exhibit Number Two and identify it?

A. Okay. Exhibit Number Two is the diagrammatic sketch of the mechanics on the proposed salt water disposal well, the Ogg A No. 3. This diagrammatic well sketch shows the present casing program. It shows the proposed depth of the tubing which will be set in the well. It shows the tops of the cement behind each string of casing, and it shows the arrangement on the surface as per New Mexico Oil Conservation Commission regulation; shows the piping and pressure gauges which will monitor any flow or pressure into the various strings of casing.

It's proposed that there be proper piping and pressure gauges in the annular space between the 9-5/8ths and the 7-inch casing; there'll be proper piping and pressure gauging to monitor the flow between the 7-inch casing and the tubing, and the surface pipe will be dug out and exposed.

existing well?

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A.

Yes, sir, this is an existing well. And it produced from what formation? From the Seven Rivers Reef.

I've forgotten, Mr. White, is this an

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	0 All right, and you'd simply convert it
	<sup>2</sup> into salt water disposal?
	3 A. Yes, sir, that's their proposal.
	4 Q. Do you have a log of that well?
	5 A. No, sir, I do not have a log, and there's
	6 been some attempts to obtain one, and we may have found a
	7 source for a log on it and we would like, with the Commis-
	<sup>8</sup> sion's consideration here, we'd like to mail it in later, if
	9 we could.
DYD MTEN Titl	10 Q Would you please refer to Exhibit Number
	11 3 and identify it?
VALT NALT	12 Would you please identify what we've marke
	13 as Exhibit Number Three?
	14 A. This exhibit was prepared because of the
<u>1999</u> - 1997 - 199	15 rules and regulations of the New Mexico OIl Conservation
	16 Commission which requires a tabulation of wells within a
	half mile radius of the Ogg A No. 3, the proposed salt water
	18 disposal well, and it shows all of the it's a tabulation
	19 of all the wells within that half mile radius, and it was
	20 prepared simply to comply with the New Mexico Oil Conservation
	21 Commission rule.
	22 Q All right, sir. Please refer to what we
	23 have marked as Exhibit Four and identify it.
$\bigcirc$	A Exhibit Four shows the data which is neces-
	25 sary to present the salt water disposal well. The injection

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(a. 26)

19. A

pressure is, of course, on vacuum. They intend to inject into the formation called the Seven Rivers Reef; estimated volume, 3300 barrels per day, and this again points out the source of the water which will be injected.

the water produced from these wells?

A. I assume that this water at the present
8 time is being hauled from the lease.

Number Five.

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A. Tom, that's an assumption there. I'm not sure.

Exhibit Number Five complies with the New Mexico Oil Conservation Commission rule and regulation which requires that the produced water that will be injected be analyzed by an independent laboratory for chemical analysis, and this is simply a sample of water which was sent in to the Wolfe Petroleum Lab, Incorporated, and analyzed in Odessa, Texas.

Q Please identify Exhibit Number Six.
A Okay. Exhibit Number Six complies with the New Mexico Conservation Commission regulation in that we are to furnish a diagrammatic sketch of all of the wells which are plugged and abandoned within a certain radius of the salt water disposal well, and these are sketches showing the casing, the top of the stubs, the cutoff points, and the

M Yes, sir. I studied these diagrammatic sketches of these wells around this proposed salt water disposal well, and as near as I can determine, all of the casing cutoff points and cement was left or added to protect the -- and control the water injected.

Q. Would you please refer to Exhibit Number Seven and identify it?

A. Exhibit Number Seven is letters of waiver
from some of the offset operators in the area, and Mr.
Examiner, I do not know if we have a letter from all of the
offset operators, but we do have from four of the ---

MR. NUTTER: We've got a letter from two here, Sam D. Ares and Conoco.

A. Okay, we got a -- here's a Burleson & Huff. It appears that two of the letters came in from Conoco, so we have letters from three of the offset operators. They are letters of waiver stating that they do not object to the injection of salt water, produced water, into this Ogg A No.3

SALLY WALTON BOYD CERTIFIED SHORTHAND REPORTER 1010 Phase Short (10) (11-24(2) Basta P. New Morton (11-24(2) 1

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Mr. White, were Exhibits One through
 Seven compiled under your supervision and direction?
 M. They were either prepared by me or compiled under my direction and at my request.

2. — Dased upon your study of the material in the exhibits and your knowledge of this area, are those exhibits true and correct?

A. Yes, sir, they are.
9 0. And in your opinion will approval of this
10 application be in the best interests of conservation, the
11 prevention of waste, and the protection of correlative

A. Yes, sir, that is correct. In my opinion
 the -- disposal of the produced water in any other method
 will cost in excess at today's prices of \$1500 a day, and
 this is prohibitive and would leave certain reserves in the
 ground that could not be recovered otherwise, unless the
 salt water disposal well is approved.

MR. KELLAHIN: We have nothing further. We move the introduction of Exhibits One through Seven. MR. NUTTER: Chapman's Exhibits One through Seven will be admitted in evidence.

CROSS EXAMINATION

BY MR. NUTTER:

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Mr. White, now referring to your Exhibit Number Two, I believe it is, no, it's Exhibit Number Three. It shows here on the surface pipe on a number of these wells, which are the wells that are located within a half mile of the proposed injection well, that on the surface pipe cement has been circulated in a number of instances, but in approximately five instances, you say that the cement was circulated, calculated.

Why is it calculated that the cement is circulated rather than known whether it was circulated?

A Well, sir, at the time these wells were drilled, Mr. Examiner, I'm sure that the conditions on the well were not nearly as restrictive as they are now, and the drilling contractor would call out the cement for the surface pipe. This was the general practice, anyway, and they would pump the cement down and those could have -- in all probability it wasn't even noted on the drilling report whether it circulated or not, and in cases where it was filed with the Commission, where it circulated, this was put in the tabulation. Of course, where it was not noted we had no way of knowing, and we had to calculate the top. And in most cases the one sack per foot ruling, which was in effect then the cement would circulate.

Q But these are instances where the well file did not indicate for sure that cement was circulated.

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Yes, sir, that's correct. λ. 2 They give you a quantity of coment and you 0 3 calculated the void or the volume behind the pipe there --Ā. Yes, sir, that's correct. --- and you think it circulated? Q. 6 A. Yes, sir, that's -- we had to make those 7 assumptions and it's my understanding the area's monitored 8 pretty carefully, though, for any kind of indication on sur-9 face pipe that -- outside the surface pipe for any indication 10 of any breakout. 11 Q. Well now, what is the present status of 12 this Ogg 3 Well? 13 As I understand it, Mr. Examiner, it's A. 14 just temporarily abandoned and waiting for approval as a salt 15 water disposal well. I do not know if they have run the 16 tubing and packer in the well yet. 17 And was it producing from the Seven Rivers Ω 18 Reef? 19 A. Yes. sir, that's correct. 20 And the same open hole interval that you Q 21 are proposing to dispose? 22 Yes, sir, as I understand it, that's right. A. 23 And it watered out, I presume? Q. 24 The -- I do not know the answer to that, Λ. 25 Mr. Examiner. I don't know.

1 We can look back and send that tabulation 2 in to Mr. Kellahin if it would help in the case. We can 3 look back and see what happened to the well. I would .... I would ---Â 5 How long has it been shut in? Q. Oh, I think since 19 -- let me see on my --6 Α. 7 see, most of these were abandoned, according to this tabu-8 lation, most of these were abandoned back in 1947 and '48. 9 Who was the operator of the wells at that Q. 10 time? 11 Texas Pacific. A. 12 These are old TP leases, then. Ω 13 Yes, sir. A. 14 How long has Chapman and Schneider owned. Q 15 them, do you know? 16 I do not know, no, sir. λ. 17 Well, we will take administrative notice Q 18 of the history of this well and the wells in the immediate 19 vicinity, production, and water production. 20 MR. KELLAHIN: You have that information, 21 you won't need us to send it to you? 22 MR. NUTTER: No, we'll find it. 23 Mr. Examiner, I have some current informa-A. 24 tion only from January of '79 up to the present time. I do 25 have that production tabulated.

Strate States

1 Now, what wells were producing, that you Q 2 know. 3 λ. Okay, the only well producing on the Chapman Schneider Ogg A lease was Well No. 6-B, in Section 35, 24, 5 36. Uh-huh. Q. A. And then both of the Woolworth Wells were producing, and are presently producing. At the present time 9 we show five of the Ogg A Wells temporarily abandoned. 10 I see, which would include this proposed Q. 11 disposal well. 12 Yes, sir, and it had a cumulative recovery A. 13 of, oh, well, I don't have that number, but it shows that it 14 was temporarily abandoned in December of 1975 on this tabu-15 lation. 16 So there's, evidently, there's been no 17 production since 1975. 18 MR. NUTTER: Are there any further question 19 of the witness? He may be excused. 20 Do you have anything further, Mr. Kellahin? 21 MR. KELLIHIN: No, sir. 22 MR. NUTTER: Does anyone have anything they 23 wish to offer in Case Number 6671? 24 We'll take the case under advisement. 25 (Hearing concluded.)

REPORTER'S CERTIFICATE

I, SALLY W. BOYD, a Court Reporter, DO HEREBY CERTIFY that the foregoing and attached Transcript of the Hearing before the Oil Conservation Division was reported by me; that said transcript is a full, true, and correct recordof the hearing, prepared by me to the best of my ability, from my notes taken at the time of the hearing.

Sally W. Boyd, C.S.R.

I do have been that the foregoing is a consider an of the proceedings in the long abor noaring of face No. 667 heard by nie on 10/17 Examiner Oil Conservation Division

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STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING:

> CASE NO. 6671 Order No. R-6159

APPLICATION OF CHAPMAN AND SCHNEIDER FOR SALT WATER DISPOSAL, LEA COUNTY, NEW MEXICO.

#### ORDER OF THE DIVISION

#### BY THE DIVISION:

This cause came on for hearing at 9 a.m. on October 17, 1979, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 2nd day of November, 1979, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

#### FINDS:

(1) That due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Chapman and Schneider, is the owner and operator of the I. B. Ogg "A" Well No. 3, located in Unit E of Section 35, Township 24 South, Range 36 East, NMPM, Jalmat Pool, Lea County, New Mexico.

(3) That the applicant proposes to utilize said well to dispose of produced salt water into the Seven Rivers formation, with injection into the open hole interval from approximately 3422 feet to 3504 feet.

(4) That the injection should be accomplished through 2 7/8inch plastic lined tubing installed in a packer set at approximately 3300 feet; that the casing-tubing annulus should be filled with an inert fluid; and that a pressure gauge or approved leak detection device should be attached to the annulus in order to determine leakage in the casing, tubing, or packer. -2-Case No. 6671 Order No. R-6159

(5) That the injection well or system should be so equipped as to limit the injection pressure at the casing shoe to no more than hydrostatic pressure unless and until the Amerada Everett Well No. 3 in Unit I of Section 34 and the Cities Service Everett Well No. 3 in Unit L of Section 35 have been re-entered and re-plugged, including the setting of a cement plug at the base of the salt section in each of said wells.

(6) That the operator should notify the supervisor of the Hobbs district office of the Division of the date and time of the installation of disposal equipment so that the same may be inspected.

(7) That the operator should take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

(8) That approval of the subject application will prevent the drilling of unnecessary wells and otherwise prevent waste and protect correlative rights.

#### IT IS THEREFORE ORDERED:

(1) That the applicant, Chapman and Schneider, is hereby authorized to utilize its I. B. Ogg "A" Well No. 3, located in Unit E of Section 35, Township 24 South, Range 36 East, NMPM, Jalmat Pool, Lea County, New Mexico, to dispose of produced salt water into the Seven Rivers formation, injection to be accomplished through 2 7/8-inch tubing installed in a packer set at approximately 3300 feet, with injection into the open hole interval from approximately 3422 feet to 3504 feet;

PROVIDED HOWEVER, that the tubing shall be plastic-lined; that the casing-tubing annulus shall be filled with an inert fluid; and that a pressure gauge shall be attached to the annulus or the annulus shall be equipped with an approved leak detection device in order to determine leakage in the casing, tubing, or packer.

(2) That the injection well or system shall be so equipped as to limit the injection pressure at the casing shoe to no more than hydrostatic pressure unless and until the Amerada Everett Well No. 3 in Unit I of Section 34 and the Cities Service Everett Well No. 3 in Unit L of Section 35, both in Township 24 South, Range 36 East, NMPM, have been re-plugged in such a manner as to include a cement plug at the base of the salt section in each of said wells. -3-Case No. 6671 Order No. R-6159

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(3) That the operator shall notify the supervisor of the Nobbs district office of the Division of the date and time of the installation of disposal equipment so that the same may be inspected.

(4) That the operator shall immediately notify the supervisor of the Division's Hobbs district office of the failure of the tubing, casing, or packer, in said well or the leakage of water from or around said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

(5) That the applicant shall submit monthly reports of its disposal operations in accordance with Rules 704 and 1120 of the Division Rules and Regulations.

(6) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

> STATE OF NEW MEXICO OIL CONSERVATION DIVISION

JOE D. RAMEY Director



## STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

BRUCE KING GOVEHNOR LARRY KEHDE GEORETARY

November 6, 1979

Re:

POST OFFICE BOX 2088 STATE 1 GIND OFFICE BUILDING SANTA FE, NEW MEXICO 87501 (505) 827-2434

Mr. Thomas Kellahin Kellahin & Kellahin Attorneys at Law Post Office Box 1769 Santa Fe, New Mexico

Applicant:

ORDER NO.

CASE NO.

Chapman and Schneider

6671

R-6159

Dear Sir:

Enclosed herewith are two copies of the above-referenced Division order recently entered in the subject case.

Ppurs very truly, JOE D. RAMEY Director NO.

JDR/fd

Copy of order also sent to:

Hobbs OCD	x
Artesia OCD	X
Aztec OCD	

Other



		1	MR. STAMETS: Call next Case 6671.
		2	MR. PADILLA: Application of Chapman and
		3	Schneider for salt water disposal, Lea County, New Mexico.
		4	MR. KELLAHIN: I'm Tom Kellahin, appearing
 - -		5	on behalf of the applicant.
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		7	Stamets, and I would request that this case be continued to
		8	the hearing on October 17th.
		9	MR. STAMETS: Case 6671 will be so con-
		10	tinued.
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### REPORTER'S CERTIFICATE

I, SALLY W. BOYD, a court reporter, DO HEREBY CERTIFY that the foregoing and attached 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 said hearing, prepared by me to the best of my ability from my notes taken at the time of the hearing.

Sally W. Boyd, C.S.R. .5.P

I do hereby cartify that the foregoing is a complete record of the proceedings in the Exactiner hearing of Case No. 6671. heard by me on 10-2 Oil Conservation Division

SALLY WALTON BOYD CERTPLED SHORTHAND REPORTER 1030 Plaza Banda (101, 411, 440) Shara Pa, New Marian State 2

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1 STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT 2 Oil Conservation Division Santa Fe, New Mexico 3 2 October 1979 4 EXAMINER HEARING 6 6 IN THE MATTER OF: 7 Application of Chapman and CASE Schneider for salt water disposal, ) 6671 8 Lea County, New Mexico. 9 10 SALLY WALTON BOYD Sertified shorthand reported BEFORE: Richard L. Stamets 11 83 12 TRANSCRIPT OF HEARING 13 14 APPEARANCES 15 16 For the Oil Conservation Ernest L. Padilla, Esq. Legal Counsel for the Division Division: 17 State Land Office Bldg. Santa Fe, New Mexico 87503 18 19 W. Thomas Kellahin, Esq. For the Applicant: 20 KELLAHIN & KELLAHIN 500 Don Gaspar 21 Santa Fe, New Mexico 87501 22 23 24 25

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REPORTER'S CERTIFICATE

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Sally W. Boyd, C.S.R.

\_, Examiner

Oil Conservation Division

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		State T.N. Borell, Tr. Antidingundelia, etc. (5)	U.S., MI BX Dinwiddie, S	II-28-00 (Humble)19 IKA Lindley	Manaka Internet Shake	Same Sant Fairman of	Million	TC.
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OF WELLS WITH $1/2 - MILE$ NO         No       OF WELLS WITH $1/2 - MILE$ NO       OF MELLINE - I. B. OOG "A"         NO       OF MELLINE - I. B. OOG "A"         Mo       Depth Secial Comment Total I         Interval       Imput Product         Set Total I       Interval         Interval       Imput Product         Set Total I         Interval       Imput Product         Set Total I         Interval       Imput Product         Set Total I         Interval       Interval </td <td></td> <td>3453-3486</td> <td>2002</td> <td>C1::c.+</td> <td>1000</td> <td>175 1617 3453</td> <td></td> <td>35-245-36E</td> <td>Ø</td> <td>4</td> <td>0<b>22</b> "A"</td> <td>pman &amp; Schneider</td>		3453-3486	2002	C1::c.+	1000	175 1617 3453		35-245-36E	Ø	4	0 <b>22</b> "A"	pman & Schneider
OF WELLS WITHIN 1/2 - MILE CHAPMAN & SCHERETORE - I. B. OGC "A"         CHAPMAN & SCHERETORE - I. B. OGC "A"         Well1 Ho.       Init       S-F-R Mo.       Casing S-24S-36E       Depth 12 1/2 9 5/8       Secks Set       Cament Iop       Total Iop       Total Pepth         Pretett       1       C       35-24S-36E       12 1/2 9 5/8       212 130       250 3418       Circ. 39 5/8       130 3418       355 1800       3469       P & A         Pretett       2       N       26-24S-36E       12 1/2 150       150 3420       Circ. 300       2500 3438       343       P & A         Pretett       3       I       34-24S-36E       12 1/2 3455       160 3419       200 2500       2500 3438       3438       P & A         Pretett       3       I       34-24S-36E       12 1/2 3455       100 260       2775 3495       3445       3960-7         Pretett       1       K       35-24S-36E       12 1/2 7       144       100 2400       Circ. * 3445       3960-7         Pretett       4       H       35-24S-36E       12 1/2 7       100 2807       2400       3600       2400       390       39	(TA)	3290-3300	3541	CLine.*/ CLine.*/	100 1000 200	169 1675 3462		35-24S-36E	<del>بر</del>	N	0 <sub>68</sub> "A"	pman & Schneider
OF WELLS WITHIN 1/2 - MILE CHAPMAN & SCHNELDER I. B. OGG "A" No. 3         Vell1 No. 3       Unit No. 3       ST.R. I       Casing Set       Depth Set       Secks Cement       Casant Total Set       Total Product         Bwarett       1       C       35-24S-36Z       12       1/2 9       212 9       250 1402       Circ. 3435       Depth Set       Secks       Cament       Total 100       Product         Bwarett       1       C       35-24S-36Z       12       1/2 9       1402       385 130       130       3469       P & A         Bwarett       2       N       26-24S-36Z       12       1/2 140       150       Circ. 3438       P & A         Set       Zwarett       3       I       34-24S-36Z       12       1/2 3455       100       2775       3495       P & A         Swarett       1       K       35-24C-36Z       12       1/2 3455       50       Circ.* 3495       9 & A         Swarett       4       M       35-24C-36Z       12       1/2 3453       100       2460 * 3445       3460-7         3       35-24C-36Z       12       1/2 356	5 (TA)	3399-3523	3523	100 * ~ C1:cc.* 1560 *	250 50	928 2897 3399		35-24S-36E	G	1	0gg "A"	pmæn & Schneider
OF WELLS WITHIN 1/2 - MILE OF CHAPMAN & SCHWEIDER - I. B. OGC "A" No. 3         Unit       S-T-R No.       Gasing       Depth Set       Sacks Gement       Gement Total Iop       Total Depth       Product         s       Fwerett       1       C       35-24S-36E       12       1/2       212       250       Circ.       100       Depth       Set       Gement       Total       Product         s       Everett       1       C       35-24S-36E       12       1/2       250       Circ.       100       3469       P & A         s       Everett       3       I       34-24S-36E       12       1/2       150       Circ.       3438       P & A         s       Everett       3       I       34-24S-36E       12       1/2       345       100       2175       3495       P & A         s       Everett       1       K       35-24C-36E       12       1/2       57       50       Circ. *         9       5/8       1207       1000       2175       3495       P & A	ٽي ۲	SWD 3292-3600	3600	Circ.* Circ.* 2400 *	<b>10</b> 0 100	144 1543 3363		35-24S-36E	X	4	Everett	D. Ares
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OF WELLS WITHIN 1/2 - MILE       OF       OF       OF       CHAPMAN & SCHNEIDER - I. B. OCC "A"       No.     No.     No.     No.     Depth     Sacks     Cament     Total       E     No.     Unit     S-T-R     Casing     Depth     Sacks     Cament     Total     Product       E     No.     Unit     S-T-R     Casing     Set     Cament     Total     Product       E     No.     J     C     35-24S-36E     12     1/2     212     250     Circ.       9     5/8     1402     385     130     3418     375     1800     3469     P & A	30	ድ	3438	Circ.* Circ.* 2500	150 200	150 1419 3420		26-24S-36E	z		Everett	rada Hess
OF WELLS WITHIN 1/2 - HILE OF CHAPMAN & SCHNEIDER - I. B. OGG "A" No. Unit S-T-R Casing Depth Sacks Cament Total Lease No. Unit S-T-R Casing Set Cement Total	3	ይጉ	3469	Circ. 130 1800	250 385 375	212 1402 3418		35-24S-36E	n	H	Bverett	rada Hess
1/2 - HILE - I. B. OCC "A" 3	H H	Producing Interval	Total Depth	Cament Top	Sacks Cement	Depth Set	Casing	S-T-R	Unit	Well No.	Lease	Operator
	OIL CONSERVATION DIVISION				NILZ B. OGG	1/2 - I.	WELLS WIT	СНАРИА				

Page 2 Chapman & Schneider	I	1. 3. 0gg "A"	. No. 3			<b></b>		•			•	
Operator		Lease	Well No.	Unit	S - 17 - 19	Casing	Depth Set	Sacks Cement	Coment	Total Depth	Producing Interval	Pootage Location
Cities Service		Everati	w	F	35-245-36E	12 1/2	163	100	Cire.		••••	1980' FSL & 660' FWL
		Ţ			÷		3405	125	2840	3508	P&A 5/52	· · · · · · · · · · · · · · · · · · ·
<b>Continental</b> Oil		Gates A-26	μ	X	26-24S-36E	10 3/4	219	300	Cire.			660' FSL & 660' FWL
		:		•		5 1/2	1073 3443	300	1400 2315	3470	P & A 1/11/46	
Continental Oil		Gates A-27	Ч	טי	27-245-36E	10 3/4	251	150	Circ.+	١		660' FSL & 660' FEL
						5 1/2	3448	300	800 *	3496	3448-96 (TA)	
A. F. Roberts,	4 F •	0 <b>88</b> "B"	ω	>	34-245-36E	12 1/2 9 5/8 7	174 1444 118	175 1000	Cire. Cire.*	Г. П. Л.		660' FNL & 660' FEL
Texaco Inc.		Everett	T	hağı	35-24S-36E	12 1/2	168	100	Circ.			1980' FNL & 1980' FNL
							1633 3410	1000 175	Circ. 1935	) 	•	
						2/T C	liner 319	er 3190-3443 W/35 8x	/35 <b>8X</b>	3443	P & A 8/13/48	
		-										<b>.</b> .
* Calculated	<u>., .</u>											
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EXHIBIT NO.

29.

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Chapman & Schneider

I. B. Ogg "A" No. 3

Injection Pressure: None - vacuum

Formation: Seven River's Reef

Estimated Volume: 3300 barrels per day

Source of water:

Operator	Lease	Daily Volume
Chapman & Schneider	I. B. Ogg "A"	300 Barrels*
Ch <b>apman, Schmeider &amp; Ares</b>	Woolworth	3000 Barrels 3300 Barrels

\* Dependent upon returning additional Ogg "A" wells to production.

UTAL EMERSON 6.9701	ETRO LA	$\mathbf{TD}_{1} 1 \mathbf{N}_{2}$	ODESSA, TEXAS
DIAL EMERSON 6-7171	-	ATT WEDT ALAD DIRCET	79760
	WATER ANALYSIS	Cha	THE SID LAINER
EXHIBIT NO.		Test	No. WPL-77-265
		Date	of Run <u>3/24/77</u> Received <u>3/20/77</u>
	a server and the server of the	an a	
Sample of Produced Water from Ogg "	<u>Án Lease</u>	<u></u>	
oured from	· · · · · · · · · · · · · · · · · · ·	····	
Lee County New Mexico		Secured by S	id Lainer
1rpose	-		2/20/77
17poe	······································	Time	
mpling Conditions:			·
CONSTITUENTS REPORTED AS PA	ARTS PER MILLION	UNLESS OTHERWISE SP	ECIFIED
Alkalinity CaCO,	Dissolve	ed Oxygen O,	
tal Alkalinity CaCO,	Free Ca	urbon Dioxide CO,	
sloride Ci 8250		•	
······································	Chroma	te CrO,	
agnesium Mg		ese Mn	
lfate - : so,5600	Sodium	Na	
tal Hardness CaCO,	N.		
lica SiO,	Bicarbo	nate HCO,	
umina - • Al <sub>2</sub> O <sub>3</sub>	Total D	issolved Solids	21622
losphate PO,	pH @	75 ·F 6.1	0
	-		
tal Iron (Water)	Specific	Conductance Micromhos.	
tal Iron (Oil)	Specific	Gravity @*F	· · · · · · · · · · · · · · · · · · ·
:	COUPON DATA		
Initial Coupon No. Wt. Grams	Test Period	Terminal Wt. Grams	Wt. Loss Grams
erage Corrosion Rate MPY: Coupon No.		+ BEFORE EXAN	AINER NUTTER
erage Corrosion Rate MPY: Coupon No.			TION DIVISION
scription of Corrosion		Chagman EXHIB	IT NO. 5
		CASE NO. 667	1
ples To: 4- 011 Reports and Gas Service	1- File	1	
P.O. Box 763	-	J. Mol Analyzed By:	£
Hobbs, New Mexico 88240			·

### EXHIBIT NO.







and the second second

Continental Oil Co. Gates A-26 No. 1 Unit M, Sec. 26, T24S, R36E P & A 1/11/46 Cement plug 219 - surface △ 10 3/4" ● 219 w/300 sx 7 5/8" stub @ 1400' Cement plug @ 1400' Top, bottom, number of sacks not on record Cement plug @ 1673\* Top, bottom, number of sacks not on record 7 5/8 0 1673 w/500 sx Cement plug @ 2315' Top, bottom, number of sacks not on record 5 1/2" stub @ 2315" PB to 3300 w/cement <sup>1</sup> 5 1/2" ● 3443 w/300 sx TD 3470







Gentlemen:

ALC: NO.

This is to advise that Sam D. Ares has no objection to the conversion of the Chapman & Schneider, I. B. Ogg "A" No. 3 to a salt water disposal well. Said well is located 1980 feet from the North line and 660 feet from the West line of Section 35, Township 24 South, Range 36 East, Jalmat Pool, Lea County, New Mexico.

It is understood that water will be disposed into open hole interval 3422 to 3504 feet.

SAM D. ARES ans Y By 9-26-79 Date

The second second state and the second se	a the second	
BEFORE	EXAMINER	NUTTER
OIL CON	SERVATION E	VISION
Chaquen	ISERVATION D	2
CASE NO.	6671	

#### Gentlemen:

This is to advise that Burleson & Huff has no objection to the conversion of the Chapman & Schneider, I. B. Ogg "A" No. 3 to a salt water disposal well. Said well is located 1980 feet from the North line and 660 feet from the West line of Section 35, Township 24 South, Range 36 East, Jalmat Pool, Lea County, New Mexico.

It is understood that water will be disposed into open hole interval 3422 to 3504 feet.

BURLESON & HUFF

By Jup Black

#### Gentlemen:

This is to advise that Continental Oil Company has no objection to the conversion of the Chapman & Schneider, I. B. Ogg "A" No. 3 to a salt water disposal well. Said well is located 1980 feet from the North line and 660 feet from the West line of Section 35, Township 24 South, Range 36 East, Jalmat Pool, Lea County, New Mexico.

It is understood that water will be disposed into open hole interval 3422 to 3504 feet.

GONFLINENTALCOLLCGONRANX CONOCO INC. By John R. Kemp Date September 27, 1979

	1 1 1919 - 1	1704500	1					
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CHAPMAN & WELL NO. 3		J.W. Frice, S Phillips kelly HBP E-1924		J. F. Bryontetons Prillips 1 - 32 - 80 1 - 5 - 61	Conti - 5 - 10 - 10 - 10 - 10 - 10 - 10 - 10	Be and the 15	III Realing-th Parlangte	A 15 22
I. B. OGG 1980' FNL	"A" LEASE and 660' FWL		6.1.92 6.1.92 14167 7040 14167 945 945798 945798	Antonii I Va Kaonte Danie I	sholes pt f winders	Jalmat		MA
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1980' FNL & 540' FEL		 	Circ.*	1000	161 1346	12 1/2 9 5/2	34-245-36E	Ħ	2	"B"	Chapman & Schneider
660' FNL & 660' FVL	3453-3486 (TA)	3486	Circ.* Circ.* 1540 *	100	175 1617 3453	12 1/2 9 5/8 7	35-24S-36E	U	4	"A" 330	Chapman & Schneider
660' FNL & 1980' FEL	3290-3300 (TA)	3541	Circ.* 1540 *	100 1000 200	169 1675 3462	12 1/2 9 5/8 7	35-24S-36E	نحا	N	.V., <sup>32</sup> 0	Chapman-& Schneider
1980' PNL & 1980' PEL	3399-3523 (TA)	3523	100 * Círc.* 1560 *	250 500 150	928 2897 3399	12 1/2 9 7	35-248-36E	G	н н Н	0gg "A"	Chapman & Schneider
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Footage Location	Producing Interval	Total Depth	Cement Top	Sacks Cement	Depth Set	Casing	S-T-R	Unit	Well No.	Lease	<u>Operator</u>
NO. 3 Case 662/	EXHIBIT NO.			- HILE B. OCC "A"	DF OF CIDER - 1. No. 3	A TABULATION OF WELLS WITHIN 1/2 OF CHAPMAN & SCHNEIDER - I No. 3	ор Снариа			• • • • •	

	+ Calculated	Texaco Inc.		Continental Oil	Continental Oil	Cities Service	Operator	Page 2 Ch <del>apma</del> n & Schneider	المراجع
· · · · · · · · · · · · · · · · · · ·		<b>Everett</b>		Gates A-27	Gates A-26	Zverett	Lease	- I. 3. 0gg	
- -	<b>.</b>	•	ω	1	1	(ب) ر	Well No.	"A" No. 3	•
• •	•		~	ካ	×	7	Unit		
		35-24S-36E	34-24S-36E	27-245 <b>-36</b> E	26-24S-36E	35-248-36E	S-T-R		
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		168 1633 3410 liner 319(	174 1444 3318	251 1663 3448	219 1673 3443	163 1495 3405	Depth Set		
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		3443	3515	3496	3470	3508	Total Depth		
· · · · ·		P & A 8/13/48	P & A 9/25/60	3448-96 <b>(TA)</b>	P & A 1/11/46	P & A 5/52	Producing Interval		
•		1980' FNL & 1980' FWL	660' FNL & 660' FEL	660' FSL & 660' FEL	660' FSL & 660' FWL	1980' FSL & 660' FWL	Footage Location	-	
•		$\sim$		•		<b>x</b>	•		•

### Chapman & Schneider

I. B. Ogg "A" No. 3

Injection Pressure: None - vacuum Formation: Seven Rivers Reef Estimated Volume: 3300 barrels per day Source of Water:

OperatorLeaseDaily VolumeChapman & SchneiderI. B. Ogg "A"300 Barrels\*Chapman, Schneider & AresWoolworth3000 Barrels3300 Barrels3300 Barrels

\* Dependent upon returning additional Ogg "A" wells to production.

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Exhibit 4 Case 6671

# WOLF PETRO LAB, INC. DIAL EMERSON 6.9701 DIAL EMERSON 6.7171

000

P. N. BOX 643 ODESSA, TEXAS

79760

WATER ANALYSIS

Charge SID	LAINER
Test No.	91-77-265
Date of Run_	3/24/77
Date Received	3/20/77

Time The TNLESS OTHERWISE SP Oxygen O; on Dioxide CO; Sulfide H;S CrO, Na CO, te HCO, olved Solids	ECIFIED
INLESS OTHERWISE SP       Oxygen O,       on Dioxide CO,       Sulfide H <sub>2</sub> S       CrO,       e Mn       Na       CO,       te HCO,	ECIFIED
INLESS OTHERWISE SP       Oxygen O;       on Dioxide O;       Sulfide H;S	
Oxygen O <sub>2</sub> on Dioxide CO <sub>3</sub> Sulfide H <sub>2</sub> S CrO <sub>4</sub> e Mn Na CO <sub>3</sub> te HCO <sub>3</sub>	
on Dioxide CO, Sulfide H <sub>2</sub> S CrO, e Mn Na CO, te HCO,	
Sulfide H <sub>1</sub> S CrO <sub>4</sub> e Mn Na CO <sub>5</sub> te HCO <sub>5</sub>	
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Terminal Wt. Grams	Wt. Loss Grams
•	-
······	Exhibit 5
<u> </u>	Case 6631
دمانيا والمراج	<b>f</b> <sup>2</sup>
	Ansiyzed By:





#### Gentlemen:

This is to advise that Sam D. Ares has no objection to the conversion of the Chapman & Schneider, I. B. Ogg "A" No. 3 to a salt water disposal well. Said well is located 1980 feet from the North line and 660 feet from the West line of Section 35, Township 24 South, Range 36 East, Jalmat Pool, Lea County, New Mexico.

It is understood that water will be disposed into open hole interval 3422 to 3504 feet.

SAM D. ARES am D. U.s. By <sup>(</sup> 9-26-79 Date

Exhibit 7 case 66>1

#### Gentlemen:

This is to advise that Continental Oil Company has no objection to the conversion of the Chapman & Schneider, I. B. Ogg "A" No. 3 to a salt water disposal well. Said well is located 1980 feet from the North line and 660 feet from the West line of Section 35, Township 24 South, Range 36 East, Jalmat Pool, Lea County, New Mexico.

It is understood that water will be disposed into open hole interval 3422 to 3504 feet.

GONTRINGNTALLOUISCONBANK CONOCO INC. m By John R. Kemp Date September 27, 1979
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CHAPMAN & SCHN WELL NO. 3	EIDER P	HBP -1924	El Pose Nat. Antoine 6-1-62 Antoine 14167 Tide 2017		Ganti e gradi e e <sup>1*</sup> 8.3 Karala int Sunciaur B			<b>7</b>
I. B. OGG "A"	LEASE		14167 15 440 84 9 7 16	I Jimme	•4 •	Jalmat		MA
1980' FNL and Section 35-T24		16 25-31	15	Philling			-Mattix Devonian	"50.
Lea County, N.	M. j	Case 66	.71		Shares I I Winkers Munkers I I Winkers Munkers I I I Winkers Munkers I I I I I I I I I I I I I I I I I I I		ter Disp.	L Service
	<sup>1</sup> T.H.	State tavell, Tr.	U.S., MI	IT-25- B Prumping 16 RCA Lindiay	AN ILE STA	Same Part States	I and the second se	

EXHIBIT NO.

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## Chapman & Schneider

I. B. Ogg "A" No. 3

Injection Pressure: None - vacuum

Formation: Seven Rivers Reef

Estimated Volume: 3300 barrels per day Source of water:

Operator	Lease	Daily Volume		
Chapman & Schneider	I. B. Ogg "A"	300 Barrels*		
Chapman, Schmeider & Ares	Woolworth	3000 Barrels 3300 Barrels		

\* Dependent upon returning additional Ogg "A" wells to production.

DIAL EMERSON 0.9701 DIAL EMERSON 0.9701 DIAL EMERSON 0.7171		B, INC.	P. O. BOX 643 CDESSA, TEXA 79760	
EXHIBIT NO.	WATER ANALYSIS	T	Tharge SID LAINER Seet No	
Sample of Produced Water from Ogg #	esed "A		·:	
lecured from			- 	
Lee County New Mexico		Secured by	Sid Lainer	
\urpose		Time	Date3/20/7	7
ampling Conditions:	·	······		
CONSTITUENTS REPORTED AS P	· · · · · · · · · · · · · · · · · · ·	UNLESS OTHERWISE	SPECIFIED	
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otal Alkalinity CaCO,	Free Carl	oon Dioxide CO <sub>3</sub>		
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otai Iron (Oil)		ravity 0	· <b>T</b>	
	COUPON DATA			
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		. <u>.</u>	 	
verage Corrosion Rate MPY: Coupon No			Exhibit 5	
verage Corrosion Rate MPY: Coupon No.			Case 6671	 
scription of Corrosion		1977) 		
pies To: 4- Oil Reports and Gas Service P.O. Box 763	1- File		olf	
Hobbs, New Mexico 88240		Analyzed By:		
	ام و اور و مرد او د مردر و اور رو		·	



Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87501

Gentlemen:

This is to advise that Sam D. Ares has no objection to the conversion of the Chapman & Schneider, I. B. Ogg "A" No. 3 to a salt water disposal well. Said well is located 1980 feet from the North line and 660 feet from the West line of Section 35, Township 24 South, Range 36 East, Jalmat Pool, Lea County, New Mexico.

It is understood that water will be disposed into open hole interval 3422 to 3504 feet.

SAM D. ARES im D. Ches By 9-26-79 Date

Exhibit ) case 66>1

Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87501

#### Gentlemen:

This is to advise that Continental Oil Company has no objection to the conversion of the Chapman & Schneider, I. B. Ogg "A" No. 3 to a salt water disposal well. Said well is located 1980 feet from the North line and 660 feet from the West line of Section 35, Township 24 South, Range 36 East, Jalmat Pool, Lea County, New Mexico.

It is understood that water will be disposed into open hole interval 3422 to 3504 feet.

GONRINENTAL GONRANX CONOCO INC. By m John R. Kemp Date September 27, 1979

All Action in

WULF PETRO	LABUINC.
DIAL EMERSON 6-9701 DIAL EMERSON 6-7171	2411 WEST 42ND STREET

EXHIBIT NO. 🤳

WATER ANALYSIS

P. O. BOX 643 ODESSA, TEXAS

79760

Charge SID ]	AENIKR
Test No. WPI	-17-265
Date of Run	3/24/77
Date Reselved	3/20/77

Secured from				
	Lee County New Mexico		···· ··	d Tainer
	·		-	
Purpose	·		Time	Date3/20/77
Sampling Conditions:				
	CONSTITUENTS REPORTED AS I	PARTS PER MILLION U	NLESS OTHERWISE SPI	CIFIED
P Alkalinity CaOC	0,	Dissolved	Oxygen O,	
Total Alkalinity Ci	aCO,	Free Carb	on Dioxide CO <sub>s</sub>	
Chloride Cl	8250	, Hydrogen	Sulfide H <sub>2</sub> S	
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Alumina Al <sub>2</sub> O <sub>2</sub>	· · · · ·			
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Average Corrosion Rat	te MPY: Coupon No	······		
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Description of Corrosic	m			· ·
	Reports and Gas Service	1- File		<u> </u>
	). Box 763 bbs, New Mexico 88240		Analyzed By:	<u>د</u>
1100	105, NEW MEALOU COLLO			

EXHIBIT NO.



1.1

Dockets Nos, 41-79 and 42-79 are tentatively set for October 31 and November 14, 1979. Applications for hearing must be filed at least 22 days in advance of hearing date,

DOCKET: EXAMINER HEARING - WEDNESDAY - OCTOBER 17, 1979

#### 9 A.M. - OIL CONSERVATION DIVISION CONFERENCE ROOM, STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

The following cases will be heard before Daniel S. Nutter, Examiner, or Richard L. Stamets, Alternate Examiner:

- ALLOWABLE: (1) Consideration of the allowable production of gas for November, 1979, from fifteen prorated pools in Lea, Eddy, and Chaves Counties, New Mexico.
  - (2) Consideration of the allowable production of gas for November, 1979, from four prorated pools in San Juan. Rio Arriba, and Sandoval Counties. New Mexico.
- CASE 6693: Application of Yates Petroleum Corporation for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a Pennsylvanian test well to be located 1130 feet from the South line and 1300 feet from the East line of Section 30, Township 17 South, Range 26 East, the S/2 of said Section 30 to be dedicated to the well.
- Application of Yates Petroleum Corporation for compulsory pooling, Eddy County, New Mexico. CASE 6694: Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Wolfcamp-Pennsylvanian formations underlying the S/2 of Section 35, Township 18 South, Range 25 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operator of the well and a charge for risk involved in drilling said well.
- Application of Millard Deck Oil Company for a non-standard gas proration unit, Lea County, New CASE 6695: Mexico. Applicant, in the above-styled cause, seeks approval of an 80-acre non-standard gas prora-tion unit comprising the NE/4 NW/4 and NW/4 NE/4 of Section 36, Township 24 South, Range 36 East, Jalmat Gas Pool, to be dedicated to a well to be drilled at a standard location thereon.
- CASE 6696: Application of R. Q. Silverthorne for an unorthodox oil well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a Yates test well to be drilled 1310 feet from the South and West lines of Section 30, Township 18 South, Range 31 East, Shugart Pool.
- Application of Conoco Inc. for an unorthodox location and dual completion, Lea County, New Mexico. CASE 6697: Applicant, in the above-styled cause, seeks approval for the dual completion of its Wells B-1 Well No. 5 at an unorthodox Devonian location 1650 feet from the North line and 660 feet from the East line of Section 1, Township 25 South, Range 36 East, to produce gas from the Devonian and Ellen-burger formations, Custer Field, thru parallel strings of tubing, the E/2 of said Section 1 to be dedicated to the well.



Application of Chapman and Schneider for salt water disposel, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water in the Seven Rivers Reef formation in the open-hole interval from 3422 feet to 3504 feet in its I. B. Ogg "A" Well No. 3 located in Unit E of Section 35, Township 24 South, Range 36 East, Jalmat Pool.

CASE 6698: Application of Stevens Oil Company for compulsory pooling, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the San Andres formation underlying the NE/4 SW/4 of Section 30, Township 8 South, Range 29 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operator of the well and a charge for risk involved in drilling 5410 Well.

Application of Robert C. Anderson for two unorthodox gas well locations, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of his Ute Mountain Ute Well No. 1 located in the center of Unit L, and Well No. 3, located 2310 feet from the North and West lines, both in Section 14, Township 31 North, Range 16 West, the SW/4 of said Section 14 to be dedicated to Well No. 1 and the NW/4 to be dedicated to Well No. 3.

- CASE 6699:

Page 2 of 4

Examiner Hearing - Tuesday - October 2, 1979

CASE 6644: (Continued from September 19, 1979, Examiner Hearing)

Application of Tenneco 011 Corporation for downhole commingling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Fruitland and Pictured Cliffs production in the wellbores of its State K Com Well No. 12 located in Unit E of Section 16, Township 30 North, Range 9 West, and its Florence Well No. 60R in Unit L of Section 1, Township 29 North, Range 9 West.

Application of Gifford, Mitchell & Wisenbaker for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the Pawnee Unit Area, comprising 3,840 acres, more or less, of State and federal lands in Township 26 South, Range 36 East.

<u>CASE 6675</u>:

CASE 6671: (Continued from September 19, 1979, Examiner Hearing)

Application of Chapman and Schneider for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water in the Seven Rivers Reef formation in the open-hole interval from 3422 feet to 3504 feet in its I. B. Ogg "A" Well No. 3 located in Unit E of Section 35, Township 24 South, Range 36 East, Jalmat Pool.

CASE 6676: Application of Doyle Hartman for an unorthodox well location and a non-standard proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of an 80-acre nonstandard gas proration unit comprising the SW/4 NE/4 and SE/4 NW/4 of Section 36, Township 24 South, Range 36 East, Jalmat Gas Pool, to be dedicated to a well to be drilled at an unorthodox location 2310 feet from the North line and 1650 feet from the East line of said Section 36.

CASE 6677: Application of Texas Pacific Oil Company, Inc. for downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Arrowhead-Grayburg and Eumont production in the wellbore of its Elliott B-6 Well No. 1 located in Unit M of Section 6, Township 22 South, Range 37 East.

- <u>CASE 6678</u>: Application of Texas Pacific Oil Company, Inc. for downhole commingling and a special casinghead gas allowable, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Blinebry and Tubb production in the wellbore of its Eva Owens Well No. 1 located in Unit M of Section 25, Township 21 South, Range 37 East. Applicant further seeks an increase in the casinghead gas allowable for said well.
- CASE 6660: (Continued from September 19, 1979, Examiner Hearing)

Application of B. & W. Oil Reclaiming for an oil treating plant permit, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority for the construction and operation of an oil treating plant for the purpose of treating and reclaiming sediment oil at a site in the NE/4 NE/4 NE/4 of Section 34, Township 18 South, Range 26 East.

- CASE 6679: Application of El Paso Natural Gas Company for a gas storage unit agreement, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Washington Ranch Morrow Unit Area comprising the Morrow formation and the first 100 feet immediately above and below said formation underlying all or parts of Sections 21 thru 23, 26 thru 29, and 32 thru 36, Township 25 South, Range 24 East; Sections 1 thru 5 and 9 thru 14, Township 26 South, Range 24 East; and Sections 6, 7, and 18, Township 26 South, Range 25 East, Washington Ranch-Morrow Gas Pool, Eddy County, New Mexico. Said unit area would be for the purpose of conducting a gas storage project and would comprise 12,158 acres, more or less, of State, federal and fee lands.
- CASE 6630: (Continued from August 22, 1979, Examiner Hearing)

Application of El Paso Natural Gas Company for downhole commingling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Basin-Dakota and BS Mesa-Gallup production in the wellbore of its San Juan 27-4 Unit Well No. 37 located in Unit N of Section 33, Township 27 North, Range 4 West.

- CASE 6680: Application of Robert C. Anderson for surface commingling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for the surface commingling of all production from his Ute Mountain Ute Lease, Wells Nos. 1, 3 and 4, located in Section 14, Township 31 North, Range 16 West.
- <u>CASE 6681</u>: Application of Yates Petroleum Corporation for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a Wolfcamp-Mississippian test well to be located 660 feet from the South line and 1100 feet from the West line of Section 31, Township 18 South, Range 26 East, the S/2 of said Section 31 to be dedicated to the well.

1 STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT Oil Conservation Division 2 State Land Office Bldg. Santa Fe, New Mexico 3 19 September 1979 4 EXAMINER HEARING 5 8 IN THE MATTER OF: 7 Application of Chapman and Schneider for) CASE salt water disposal, Lea County, New () 8 6671 Mexico. 9 10 BEFORE: Daniel S. Nutter 11 WALTON 12 TRANSCRIPT OF HEARING 13 14 APPEARANCES 15 16 For the Oil Conservation Ernest L. Padilla, Esq. 17 Division: Legal Counsel for the Division State Land Office Bldg. 18 Santa Fe, New Mexico 87503 19 20 For the Applicant: W. Thomas Kellahin, Esq. KELLAHIN & KELLAHIN 21 500 Don Gaspar Santa Fe, New Mexico 87501 22 23 24 25 Sector Sector

	1	MR. NUTTER: Call next Case Number 6671.
4	2	MR. PADILLA: Application of Chapman and
	3	Schneider for salt water disposal, Lea County, New Mexico.
	4	MR. KELLAHIN: Tom Kellahin of Santa Fe,
	5	New Mexico, appearing on behalf of the applicant.
	6	We'd like to request that that case be
	7	continued to the hearing on October 2nd.
	8	MR. NUTTER: Case Number 6671 will be
	9	continued to the Examiner Hearing scheduled to be held at
YD YD	10	this same place at 9:00 o'clock a. m. October 2, 1979.
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V W/	13	(Hearing concluded.)
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### REPORTER'S CERTIFICATE

I, SALLY W. BOYD, a court reporter, DO HEREBY CERTIFY that the foregoing and attached 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 from my notes taken at the time of the hearing.

Sally W. Boyd C.S.R.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Gase No. 6671 heard by me on 9/19 19.79. , Examiner Oil Conservation Division

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	7 8 9		apman and Schneider for al, Lea County, New	CASE 6671
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	16 For the 17 Divisi	Oil Conservation on:	Ernest L. Padilla, F Legal Counsel for th State Land Office Bl Santa Fe, New Mexico	ne Division .dg.
	19 20 For the . 21 22	Applicant:	W. Thomas Kellahin, KELLAHIN & KELLAHIN 500 Don Caspar Santa Fe, New Mexico	
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			1	25	MR. NU	JTTER: Ca	ll next Case	Number 6671.
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		۲	3	Schneider fo	or salt water	disposal	, Lea County,	New Mexico.
			4		MR, KE	LLAHIN:	Tom Kellahin	of Santa Fe,
			5	New Mexico,	appearing on	behalf o	f the applica	int.
	₹.		6		We'd 1	ike to re	quest that th	at case be
			<sup></sup> 7	continued to	the hearing	on Octob	er 2nd.	
•			8	·	MR. NU	TTER: Ca	se Number 667	'l will be
			9	continued to	the Examine	r Hearing	scheduled to	be held at
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REPORTER'S CERTIFICATE

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WALTON

I, SALLY W. BOYD, a court reporter, DO HEREBY CERTIFY that the foregoing and attached 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 from my notes taken at the time of the hearing.

Sally W. Boyd, C.S.R.

I do hereby control that the foregoing is a complete record of the proceedings in the Examiner hearing of Lase No. 667 1 heard by me on\_ **77** , Examiner **Oil** Conservation Division

Page 3 Examiner Hearing - Wednesday - September 19, 1979

- <u>CASE 6668</u>: Application of Delta Drilling Company for pool creation and special pool rules, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new oil pool for Bone Spring production for its SCB Unit Well No. 3 in Unit G of Section 23, Township 23 South, Range 28 East, and special rules therefor, including 80-acre spacing.
- <u>CASE 6669</u>: Application of Mesa Petroleum Company for the amendment of Order No. R-6078, Eddy Ccunty, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-6078 to cover the Wolfcamp and Pennsylvanian formations in the compulsory pooling of the E/2 of Section 10, Township 16 South, Range 27 East, rather than the Morrow formation only.

#### CASE 6644: (Continued from September 5, 1979, Examiner Hearing)

Application of Tenneco Oil Corporation for downhole commingling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Fruitland and Pictured Cliffs production in the wellbores of its State K Com Well No. 12 located in Unit E of Section 16, Township 30 North, Range 9 West, and its Florence Well No. 60R in Unit L of Section 1, Township 29 North, Range 9 West.

CASE 6670: Application of BTA Oil Producers for pool creation and special pool rules, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new Devonian gas pool for its 7811 JV-P Rojo Well No. 1 located in Unit D of Section 27, Township 25 South, Range 33 East, and special rules therefor, including 640-acre gas well spacing.

CASE 6671: Application of Chapman and Schneider for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water in the Seven Rivers Reef formation in the open-hole interval from 3422 feet to 3504 feet in its I. B. Ogg "A" Well No. 3 located in Unit E of Section 35, Township 24 South, Range 36 East, Jalmat Pool.

- CASE 6672: Application of Coquina Oil Corporation for an exception to Rule 303C, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an exception to the Division's Rule 303C to permit its Vivian Well No. 1 located in Unit F of Section 30, Township 22 South, Range 38 East, in which Drinkard and Granite Wash production is commingled in the wellbore, to produce in excess of the 50-barrel limit imposed by said rule.
- CASE 6673: Application of Conoco Inc. for a non-standard proration unit, unorthodox well locations, and simultaneous dedication, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 440-acre non-standard gas proration unit comprising the SW/4 and S/2 NW/4 of Section 17 and the N/2 NE/4, SE/4 NE/4, and N/2 SE/4 of Section 18, all in Township 21 South, Range 36 East, Eumont Pool, to be simultaneously dedicated to the following wells at unorthodox locations: Meyer A-1 Wells Nos. 11 in Unit K of Section 17 and 6 and 14 in Units B and J of Section 18.

#### CASE 6580: (Continued from August 22, 1979, Examiner Hearing)

Application of Continental Oil Company for a carbon dioxide injection project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to initiate a pilot carbon dioxide injection project in the Grayburg-San Andres formation in Units H and I of Section 20, Township 17 South, Range 32 East, Maljamar Pool, for tertiary recovery purposes. Jason Kellahin W. Thomas Kellahin Karen Aubrey

KELLAHIN and KELLAHIN Attorneys at Law 500 Don Gaspar Avenue Post Office Box 1769 Santa Fe, New Mexico 87501

Telephone 982-4285 Area Code 505

August 23, 1979

Mr. Joe Ramey Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87501



OIL CONSERVATION DIVISION SANTA FE

Re: Application of Chapman and Schneider for Selt Water Disposal, Lea County, N.M.

### Dear Joe:

Please set the enclosed Application for hearing on September 19, 1979.

Very truly yours W.

Thomas Kellahin

WTK:eps Enclosure

Mrs. Donna Ho<u>ller</u> Mr. Robert Schneider cc:

## STATE OF NEW MEXICO DEPARTMENT OF ENERGY AND MINERALS OIL CONSERVATION DIVISION

### IN THE MATTER OF THE APPLICATION OF CHAPMAN AND SCHNEIDER FOR SALT WATER DISPOSAL, LEA COUNTY, NEW MEXICO



Case 6671 APPLICATION

Comes now Chapman and Schneider, by their attorneys Kellahin & Kellahin, and apply to the Oil Conservation Division of New Mexico for approval to disposal of produced salt water in their I. B. Ogg "A" No. 3 well located 1980 feet from the North line and 660 feet from the West line of Section 35, T24S, R36E, NMPM, Lea County, New Mexico and in support thereof would show:

1. That in accordance with Rule 701 of the Oil Conservation Division, applicant submits the following Exhibits which are attached hereto and incorporated by reference:

a) A plat showing the pool from which each well in a two mile radius is producing or was being produced before abandonment.

b) A tabulation of casing size, depth set, sacks cement, cement tops, total depth and producing interval of all wells within one-half mile radius.

c) A schematic sketch of all plugged wells within a one-half mile radius.

d) A schematic sketch of proposed disposal well.

e) A statement as to source and volume of water, disposal zone and pressure.

f) A water analysis of water produced from the Ogg "A" lease.

2. That approval of this Application is in the best interest of conservation, the prevention of waste and the protection of correllative rights.

WHEREFORE applicant requests that this matter be set for hearing and that after notice and hearing the application be approved as requested.

-2-

Respectfully submitted,

KELLAHIN & KELLAHIN

By W. Thomas Kellahin P. O. Box 1769 Santa Fe, New Mexico 87501

ATTORNEYS FOR APPLICANTS

# STATE OF NEW MEXICO DEPARTMENT OF ENERGY AND MINERALS OIL CONSERVATION DIVISION

IN THE MATTER OF THE APPLICATION OF CHAPMAN AND SCHNEIDER FOR SALT WATER DISPOSAL, LEA COUNTY, NEW MEXICO

Case 6671

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Respectfully submitted,

KELLAHIN & KELLAHIN

By W. Thomas Kellahin P. O. Box 1769 Santa Fe, New Mexico 87501

ATTORNEYS FOR APPLICANTS

# STATE OF NEW MEXICO DEPARTMENT OF ENERGY AND MINERALS OIL CONSERVATION DIVISION

#### IN THE MATTER OF THE APPLICATION OF CHAPMAN AND SCHNEIDER FOR SALT WATER DISPOSAL, LEA COUNTY, NEW MEXICO

Case 6671

## APPLICATION

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Respectfully submitted,

KELLAHIN & KELLAHIN

Thomas P. O. Box 1769 Santa Fe, New Mexico 87501

ATTORNEYS FOR APPLICANTS

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STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING:

CASE NO. 6671

Order No. R- (6159

APPLICATION OF CHAPMAN AND SCHELEIDER FOR SALT WATER DISPOSAL, LEA COUNTY, NEW MEXICO

## ORDER OF THE DIVISION

#### BY THE DIVISION:

This cause came on for hearing at 9 a.m. on <u>October M</u> 19\_\_\_\_\_, at Santa Fe, New Mexico, before Examiner <u>DEN</u> NOW, on this \_\_\_\_\_\_ day of <u>October</u>, 19<u>79</u>, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Cla	pman and Schneider ,
is the owner and operator of the	1.8. OGG "A" Well 70.3 ,
located in Unit <u>E</u> of Section <u>3</u>	5, Township 24 South,
Range 36 East, NMPM,	Talmat Poal
Bea County, New Me	exico.

(3) That the applicant proposes to utilize said well to dispose of produced salt water into the <u>Aeven Rivers</u> formation, with injection into the <u>open have</u> interval from approximately 3422 feet to 3504 feet.

(4) That the injection should be accomplished through **2**/**a** -inch plastic lined tubing installed in a packer set at approximately <u>3300</u> feet; that the casing-tubing annulus should be filled with an inert fluid; and that a pressure gauge or approved leak detection device should be attached to the annulus in order

to determine leakage in the casing, tubing, or packer.

(5) That the injection well or system should be requipped as to limit the injection presence at the carry show with a pop off value to prophylic substitute which will to no means than hedrostatic presence which will the means of the injection well to no more until the america Encest With Mo. 3 in thick I of Section 34 than per and the little Service & next will the 3 in thick I of Section 35 have then the service and the plugged in thick I (6) That the operator should notify the supervisor of

the **Note:** district office of the Division of the date and time of the installation of disposal equipment so that the same may be inspected.

(7) That the operator should take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

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(8) That approval of the subject application will prevent the drilling of unnecessary wells and otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, <u>Chapman and Achneider</u> is hereby authorized to utilize its <u>1.B. OGG</u> "A" WELL MO.3, located in Unit <u>E</u> of Section <u>35</u>, Township <u>24</u> South Range <u>36 East</u>, NMPM, <u>Jelmat Pool</u>, <u>Rea</u> <u>County, New Mexico, to dispose of produced salt water</u> into the <u>Swen Rivers</u> formation, injection to be accomplished through <u>Rik</u> -inch tubing installed in a packer set at approximately <u>3300</u> feet, with injection into the <u>open hele</u> interval from approximately <u>3422</u> feet to <u>3504</u> feet;

PROVIDED HOWEVER, that the tubing shall be plastic-lined; that the casing-tubing annulus shall be filled with an inert fluid; and that a pressure gauge shall be attached to the annulus or the annulus shall be equipped with an approved leak detection device in order to determine leakage in the casing, tubing, or packer.

(2) That the injection well or system shall be equipped as to limit the myschian excance of the Caring Star to no more with a pop-off vilve or abcoptable substitute which will then hydroxlatic pressure on the injection well to no more futett little NO. 3 on the injection 34 and the litic, Service than psi. Journet will NO. 3 in the fact of faction 35 with than psi. Journet will NO. 3 in the fact of faction 35 with then psi. Journet will NO. 3 in the fact of faction 35 with then psi. Journet will NO. 3 in the fact of faction 35 with then psi. Journet will NO. 3 in the fact of fact of the (3) That the operator shall notify the supervisor of the Methy district office of the Division of the date and time of the installation of disposal equipment so that the same may be inspected.

(4) That the operator shall immediately notify the supervisor of the Division's <u>Heffe</u> district office of the failure of the tubing, casing, or packer, in said well or the leakage of water from or around said well and shall take such steps as may be timely and necessary to correct such failure or leakage. a de de

(5) That the applicant shall submit monthly reports of its disposal operations in accordance with Rules 704 and 1120 of the Division Rules and Regulations.

(6) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary. DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.







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		1980' FNL & 1980' FNL	660' FRL & 660' FEL	660' FSL & 660' FEL	660' FSL & 660' FWL	1980' FSL & 660' FWL	Footage Location		<ul> <li>A statistical sta</li></ul>

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