

CASE NO.

5527

APPLICATION,
TRANSCRIPTS,
SMALL EXHIBITS,
ETC.

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
July 16, 1975

EXAMINER HEARING

IN THE MATTER OF:

Application of Plains Radio Broad-
casting Company for an exception
to the provisions of Order No.
R-3221, Chaves County, New Mexico.

Case No.
5527

BEFORE: Daniel S. Nutter, Examiner.

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the New Mexico Oil
Conservation Commission:

William Carr, Esq.
Legal Counsel for the
Commission
State Land Office Bldg.
Santa Fe, New Mexico

For the Applicant:

R.E. Thompson, Esq.
ATWOOD, MALONE, MANN &
COOTER
P.O. Drawer 700
Security National Bank
Bldg.
Roswell, New Mexico

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I N D E XPAGE

FRED POOL, JR.

Direct Examination by Mr. Thompson

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Cross Examination by Mr. Nutter

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E X H I B I T SMarked Admitted

Applicant's Exhibits A through E

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MR. NUTTER: The hearing will come to order, please. We'll call now Case No. 5527.

MR. CARR: Case 5527. Application of Plains Radio Broadcasting Company for an exception to the provisions of Order No. R-3221, Chaves County, New Mexico.

MR. THOMPSON: Mr. Examiner, I'm R.E. Thompson of Atwood, Malone, Mann & Cooter on behalf of Plains Radio Broadcasting. We have one witness, Mr. Fred Pool, Jr.

(Witness sworn.)

FRED POOL, JR.

called as a witness, having been first duly sworn, was examined and testified as follows:

DIRECT EXAMINATION

BY MR. THOMPSON:

Q Mr. Pool, would you give your name and your place of residence?

A Fred Pool, Jr., Ruidoso, New Mexico.

Q Mr. Pool, are you employed by Plains Radio Broadcasting Company?

A Yes, sir.

Q And in what capacity?

A As a Consultant and Drilling Contractor.

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Q Mr. Pool, have you testified before the OCC before and made your qualifications a matter of record?

A Yes, sir.

MR. THOMPSON: Mr. Examiner, are the Witness' qualifications acceptable?

MR. NUTTER: Yes, sir.

BY MR. THOMPSON:

Q Mr. Pool, would you discuss briefly what is proposed in Plains Radio Broadcasting's Application in this matter?

A Plains Radio has currently four producing wells and one in the process of being completed in Sections 9 and 16 and they are disposing of the water by hauling now, which we are making 55 barrels per day, but proposing to build a pit in Section 9 approximately in the center of Section -- well, it is a little south of the center -- of Section 9 and put the produced water in this pit.

Q Mr. Pool, the wells that Plains Radio is producing is marked on Exhibit A as I believe 9-1, 9-2, 9-3, 16-2, and 16-3, is that correct?

A Yes, sir.

Q Mr. Pool, if you would, explain what all that Exhibit A shows.

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A Well 16-2 and 16-3 are the two wells that are producing the water now and making approximately 34 barrels of oil, I believe it is, and 55 barrels of water, which is being disposed of by hauling to Caprock now.

Q Mr. Pool, the only two wells, as I understand it, that are producing water at this time are 16-2 and 16-3?

A Yes, sir.

Q And they are producing a total of 55 barrels a day of water?

A Yes, sir.

Q Would you explain what is marked in yellow on Exhibit A?

A That is a test well, a water well, that we drilled up there, a stock-water well. I drilled the well myself and it's red bed now and we encountered water at 140 feet. We have analysis --

MR. NUTTER: (Interrupting) Where is that well now?

BY MR. THOMPSON:

Q Mr. Pool, would you explain the water well locations that are marked on Exhibit A and where they are?

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A Well, wells they are using over at the ranch for stock water and house water are these wells up here north and a little bit east of the lease. That is the House Well, the Red Tip Well, and the "New Well" they call it. The depths are marked on there: 90 feet, 90 feet, and 110, and also the Amazon Well over here to the east, on the east edge of the map. Those wells are tied together with water lines and water the whole ranch; they distribute that water to tanks, to stock-water tanks, steel tanks from those four wells.

Q Mr. Pool, what is the depth of the red beds and those water wells?

A It's down to the water; the water produced out of those wells are the first sand they encounter and it's red bed down to those. Now, you get on the tops of these little hills you have about 10 or 12 feet of caliche on the surface, and when you get under the caps of these hills, you see on these countour marks, you won't have caliche.

Q All right. The map is a topographical map showing the surface?

A Yes, sir.

Q Mr. Pool, would you explain what Exhibit B is

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and what it shows?

A This Exhibit B is -- well, this production of the wells, how much water, how much oil the producing wells are making, and 9-3 just completed down to the pay on it getting ready to run the pipe -- haven't completed it yet -- to the San Andres, now the producing depth of these wells in the San Andres, 2100 feet. The cost for using -- the drilling of a disposal well or using a well, currently drilled well, is what this cost represents, and the cost for building a pit and laying the lines for it, the other one.

Q And the well in the event that the Application was not approved for -- in other words the disposal well -- would be 16-1 if this Application was not approved; what is marked as 16-1?

A Well, that would be applied for; it would have to be a hearing too because it is less than two miles from production.

Q All right. And if it was approved to go back into 16-1 the proposal there would be back in the same formation?

A Yes it would, San Andres.

Q All right. Mr. Pool, have you prepared any

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figures showing the estimated comparative costs of the pit versus the pump and disposal back into another well location?

A Yes, sir, it would be approximately \$28,000 to \$30,000 against \$4000.

Q All right. Mr. Pool, were the wells 16-2 and 3 and 9-2 and 9-1, were they cable-tool drilled?

A 16-2 and 16-3 and 9-2 were cable-tool drilled, yes sir.

Q Do you know what the depth of the red bed is in that area?

A Yes, sir, it is approximately 200 feet.

Q Mr. Pool, is Plains Radio Broadcasting the owner of the surface where the pit is proposed to be located?

A Yes, sir, they are.

Q And are they the owner of the surface for a five-mile radius of that pit?

A Yes, sir.

Q Do you know, Mr. Pool, whether the volume of water that is being produced out of 16-2 and 16-3 is decreasing or increasing or is it stable?

A It's decreasing and the oil production is

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decreasing too.

Q Mr. Pool, would you explain what is shown on Exhibits C, D, and E?

A Exhibit E, on this one page is the produced water out of the well, L.E. Ranch 16-2 is what I labeled it, and shows the chemical and mineral content of the water. Then L.E. Ranch House Well, that's the combination of the four wells tied together that they are using to water the ranch for cattle or the house; that's real good water. This Exhibit D is the well we are drilling north of the highway; it's in Section 31, 9, 29, and we just drilled a surface hole and caught some of the water and analyzed it so we would know what it was, and it is a little more mineralized than the water out of the surface holes over here in 16 and 9.

MR. RAMEY: Where is this well in relation to the ranch; is it on the map?

MR. POOL: No, sir, it is approximately nine miles northeast of the wells down there; it is in Section 31 of 9, 29. I have a map here that shows it if you would like to look at it.

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

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BY MR. THOMPSON:

Q Mr. Pool, what is the distance from the proposed tip to the closest well position?

A Approximately two-and-a-half miles.

Q Is that what is marked on Exhibit A as the "House Well"?

A Yes, sir.

Q Mr. Pool, in your opinion is the red bed formation sufficient to prevent permeation of the disposal water?

A Yes, sir, I think it is. I don't think it would migrate downward; it would hold the water and there would be no loss in any direction. You notice on this contour map that there is a flat there, about a half-mile wide flat. Upon 37, 10, on 9-3 we had some caliche out on the surface, but down here, under 37, 10 contour, those wells' location, there was no caliche on the surface.

Q Mr. Pool, were Exhibits A, B, C, D, and E prepared either by you or under your supervision?

A Yes, sir.

MR. THOMPSON: Mr. Examiner, we would offer Exhibits A through E.

MR. NUTTER: Applicant's Exhibits A through E

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will be admitted into evidence.

(Whereupon, Applicant's
Exhibits A through E were admitted
into evidence.)

BY MR. THOMPSON:

Q Mr. Pool, if the Application were granted by the
Commission, would Plains Radio be willing to keep the
Commission advised as to the status of amounts of
water being produced and placed into the pit?

A Yes, sir.

MR. THOMPSON: That concludes our direct exa-
mination.

CROSS EXAMINATION

BY MR. NUTTER:

Q Mr. Pool, is the L.E. Ranch headquarters that
is shown in Section 5, is that an active house where
people are living at the present time?

A Yes, sir, it is.

Q Are those people aware of your proposal to use
a pit for water disposal?

A Yes, sir.

Q Have they objected to it or what is their
attitude toward the use of a pit out there?

A No, sir, they haven't objected. That is the headquarters of the whole ranch; Plains Radio owns the ranch and the surface.

Q I see. Now, what are these water wells actually producing from; a sand in the red beds?

A Yes, sir, that's what it is.

Q Is that a continuous sand through there?

A No, sir, it is erratic sand. If you will notice in the quality of the water on these analyses, it will vary in the area; it is not a blanket sand over the whole area. Some places you will get good water wells and in some places you won't. Now, years ago -- I can't submit this as direct testimony because I don't have the facts on it -- but Mr. White, who use to own the ranch, told me that he drilled several wells down here in Sections 23, 24, 25, and 26 looking for good water for stock water but some places they didn't get any water and in some they got this water that is real brackish, but good water is not continuous over the ranch, not at that depth.

Q Was the sand in the red beds encountered in any of these wells here in Sections 9 or 16?

A No, sir, not down to 140 feet; the first we got

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was at 140 feet, and there was sand, a red sand, and that's where this water came from that I had analyzed.

Q The same as the Amason Well over here?

A No, sir.

Q Or that's the one -- in the one up in Section 31?

A No, sir, no. That's a surface hole up nine miles that we're drilling. Like I say, I had a sample of it so we would know the quality of the water bed, but it came from a sand in the red beds too.

Q I see.

A There are just some places they're present and some places they're not.

Q Well, now, all of these deals here that are marked on this map, like the one right here in Section 9, the water trough, is that just surface water?

A That's by pipe; that's by placing pipe; they piped water down to a water trough.

Q I see. Now I see a few things marked "Tank," like over here in Section 7, "Horse Pasture Tank," what's that, surface water or what's that?

A That is water by a plastic line -- what's that, Section 7?

Q Seven, a couple of miles west.

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A Oh, "Horse Pasture Tank." That's water by a plastic line. Now, there is a well over here, this Amalia Well over here in Section 13 was abandoned because the water got brackish and the stock wouldn't use it; wouldn't drink it.

Q Was there any pit disposal of any water in that vicinity?

A No, sir.

Q To cause that to become brackish?

A No, sir, that was abandoned 15 or 20 years ago.

Q This was just a natural phenomenon that salt water moved into the well?

A Right.

Q How about the "Rose Bowl Tank" down here in Section 15; what is the source of water in that tank?

A It is a surface tank caught by drainage; there is a gully flat in there and that water is rain water.

Q I see. Then we have a windmill down here in Section 21 directly south of the oil pool, what is the status of that windmill?

A The windmill is not operating. It was used to move water; they had a steel tank there and they piped

water down to it and used the windmill to pump water out of that tank to other wells.

Q It didn't draw any water out of the ground then?

A No, sir, it wasn't a well, a water well. They had no stock water useful down in that area; none of the water was fit for it. The only fresh water they have, which is real good water by analysis, is this House Well, the Red Tip Well, the New Well, and the Amason Well. Surface drainage is to the southwest there; you see this long draw that comes down through there; it is very gradual, it's not real deep. The surface drainage is to the southwest.

Q Well, it would appear from the contours that the surface drainage in the immediate vicinity of your oil pool would be to the northwest up to the ranch and then veers northeast up that long -- or down that long arroyo. Would that be it or is it in the opposite direction?

A The opposite direction.

Q The opposite direction?

A Yes, sir.

Q So it's coming from the long arroyo past the ranch house and then down to the southwest?

A Yes, sir. It drains down to the Pecos River eventually down there and turns back west about ten miles down here and drains back toward the River. That arroyo goes all the way to the River; I've followed it down.

Q What is the ownership of all this land in here; is this all fee land?

A Yes, sir.

Q No Federal lands or State lands in there?

A There are some State sections. Now, 16 is a State section. There are some State sections scattered through the ranch but most of it is fee land. I think there are 140 some thousand acres of fee land. There is -- well, there are three sections of State land that I can see in the two townships.

Q What would that be, 16 and 36 up here to the north maybe?

A Yes, sir, that's right, and it's Section 16 again East is a State section and then 11, 29 Township East.

Q You stated that the number 9-3 is in the process of being completed. Do you know if it's going to make water or not?

A No, sir, I can't tell yet, but it hasn't made

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any water yet, but we can't tell until we acidize the well to see. It hasn't made any water naturally.

Q Now the 16-2 and the 16-3 are the only ones that are making any water now. Were they lower structurally than the 9-1 and 9-2?

A No, sir, they are not; they were perforated lower though, more a section of the Slaughter section was perforated.

Q And that is why they are probably making water and the others aren't?

A That's right. On the electric logs the wells look pretty identical, the four wells 16-2 and 3 and 9-1 and 9-2, but we just perforated two foot in the 9-2 and six foot in the 9-1, but in the 16-3 there was 15 feet perforated and in 16-2 there was 11 foot perforated, so the producing zones are very thin. You stay out of it and have a good cement job and you won't make any water, but you can't do that all of the time. We're also getting more production with the water out of the 16-3; we're making more oil.

Q With a bigger section open you're making more oil but also making water?

A Yes, sir.

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Q Now, you stated that the water production was decreasing. What was the original rate of water production?

A Well, it's a very small increase; it went up first at about 65 barrels for a few days but then it came down to 55 pretty soon, and the history of the San Andres well, the oil will decline at the same rate as the water does; they will both come down. In other words we won't produce more water and less oil but the amount of ratio of both of them will be the same as the decline.

Q What does your symbol "PL" down here in Section 28 indicate?

A That is a farm out that we were contemplating and I just wrote that on there as a proposed location.

Q I see. That might be an oil well location?

A Yes, sir.

Q And now, getting back to 16-1, what is the status of that well and how is it equipped?

A It is plugged and abandoned now; 312 foot of 8-5/8ths cemented in it and it has been abandoned, cemented. I think there is a 300-foot plug in the bottom and one in the Queens and one in the bottom surface.

Q There is no long string in it though?

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A No, sir. No long string ever run, never cemented. It made water right in the top of the San Andres; it's a low well.


MR. NUTTER: Are there any further questions of Mr. Pool? He may be excused. Do you have anything further, Mr. Thompson?

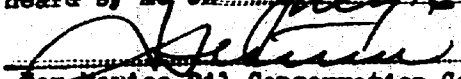
MR. THOMPSON: No, Mr. Examiner.

MR. NUTTER: Does anyone have anything they wish to offer in Case 5527? We will take the case under advisement.

STATE OF NEW MEXICO)
)
COUNTY OF SANTA FE) SS.

I, RICHARD L. NYE, Court Reporter, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me, and the same is a true and correct record of the said proceedings, to the best of my knowledge, skill and ability.


RICHARD L. NYE, Court Reporter

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 5527 heard by me on July 16, 1975.

Examiner
New Mexico Oil Conservation Commission

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Applicant:

Plains Radio Broadcasting Co.

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

Yours very truly,

JOE D. RAMEY
Secretary-Director

JDR/ fd

Copy of order also sent to:

Hobbs OCC	<u>X</u>
Artesia OCC	<u>X</u>
Aztec OCC	

Other

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE NO. 5527
Order No. R-5071

APPLICATION OF PLAINS RADIO
BROADCASTING COMPANY FOR AN
EXCEPTION TO THE PROVISIONS OF
ORDER NO. R-3221, AS AMENDED,
CHAVES COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on July 16, 1975,
at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 22nd day of July, 1975, the Commission, a
quorum being present, 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 Commission has jurisdiction of this cause and the
subject matter thereof.

(2) That the applicant, Plains Radio Broadcasting Company,
is the owner and operator of certain leases in and adjoining
the East Chisum-San Andres Pool in Sections 9 and 16, Town-
ship 11 South, Range 28 East, NMPM, Chaves County, New Mexico.

(3) That Order (3) of Commission Order No. R-3221, as
amended, prohibits in that area encompassed by Lea, Eddy,
Chaves, and Roosevelt Counties, New Mexico, the disposal,
subject to minor exceptions, of water produced in conjunction
with the production of oil or gas, or both, on the surface of
the ground, or in any pit, pond, lake, depression, draw, stream-
bed, or arroyo, or in any watercourse, or in any other place
or in any manner which would constitute a hazard to any fresh
water supplies and said disposal has not previously been
prohibited.

(4) That the aforesaid Order No. R-3221 was issued in
order to afford reasonable protection against contamination
of fresh water supplies designated by the State Engineer
through disposal of water produced in conjunction with the
production of oil or gas, or both, in unlined surface pits.

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Case No. 5527
Order No. R-5071

(5) That the State Engineer has designated, pursuant to Section 65-3-11 (15), N.M.S.A., 1953 Compilation, all underground water in the State of New Mexico containing 10,000 parts per million or less of dissolved solids as fresh water supplies to be afforded reasonable protection against contamination; except that said designation does not include any water for which there is no present or reasonably foreseeable beneficial use that would be impaired by contamination.

(6) That the applicant seeks an exception to the provisions of the aforesaid Order (3) to permit the disposal of salt water produced by applicant's L. E. Ranch 9 Wells Nos. 1, 2, and 3, located, respectively, in Units O, N, and I of Section 9, and its L. E. Ranch 16 Wells Nos. 2 and 3, located, respectively, in Units B and A of Section 16 in unlined surface pits on said leases.

(7) That there appears to be no shallow fresh water in the vicinity of any of the above-described wells for which a present or reasonably foreseeable beneficial use is or will be impaired by contamination from unlined surface pits located in the vicinity of said wells.

(8) That the applicant should be permitted to utilize unlined surface pits for the disposal of salt water produced by the above-described five wells.

IT IS THEREFORE ORDERED:

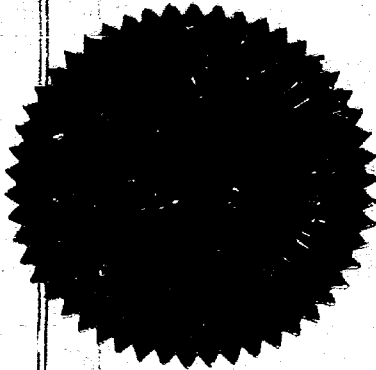
(1) That the applicant, Plains Radio Broadcasting Company, is hereby granted an exception to Order (3) of Commission Order No. R-3221, as amended, to dispose of water produced in conjunction with the production of oil or gas, or both, by its L. E. Ranch 9 Wells Nos. 1, 2, and 3, located, respectively, in Units O, N, and I of Section 9, and its L. E. Ranch 16 Wells Nos. 2 and 3, located, respectively, in Units B and A of Section 16 in unlined surface pits on said leases.

(2) That the Secretary-Director of the Commission may by administrative order rescind such authority whenever it reasonably appears to the Secretary-Director that such rescission would serve to protect fresh water supplies from contamination.

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

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Case No. 5527
Order No. R-5071

DONE at Santa Fe, New Mexico, on the day and year herein-
above designated.



STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

Phil R. Lucero
PHIL R. LUCERO, Member

Joe D. Ramey
JOE D. RAMEY, Member & Secretary

S E A L

dr/

CASE 5526: Application of Austral Oil Company for downhole commingling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks authority to commingle Blanco-Mesaverde and Basin-Dakota production in the wellbore of its Bunny Well No. 1, located in Unit P of Section 10, Township 27 North, Range 9 West, San Juan County, New Mexico.

CASE 5527: Application of Plains Radio Broadcasting Company for an exception to the provisions of Order No. R-3221, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks, as an exception to the provisions of Commission Order No. R-3221, permission to dispose into earthen pits produced salt water from its L. E. Ranch 9 Wells Nos. 1, 2, and 3, located, respectively, in Units O, N, and I of Section 9, and its L. E. Ranch 16 Wells Nos. 2 and 3, located, respectively, in Units B and A of Section 16, all in Township 11 South, Range 28 East, East Chisum-San Andres Pool, Chaves County, New Mexico.

CASE 5528: Application of Reserve Oil and Gas Company for waterflood expansion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to expand its South Langlie-Jal Langlie Mattix Waterflood Project in the Langlie Mattix pool by the conversion to water injection of its Unit Wells Nos. 24 and 26 located, respectively, in Unit O of Section 18 and Unit M of Section 17, both in Township 25 South, Range 37 East, Lea County, New Mexico.

CASE 5529: In the matter of the hearing called by the Oil Conservation Commission upon its own motion to consider the creation of a new gas pool for Morrow production, said to be designated Sheep Draw-Morrow Gas Pool to comprise the S/2 of Section 11 and the W/2 of Section 12, Township 23 South, Range 25 East, Eddy County, New Mexico.

CASE 5530: Application of Cities Service Oil Company for the amendment of Order No. R-5052, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-5052, which order pooled all mineral interests in the Wolfcamp formation underlying the SE/4 of Section 30, Township 21 South, Range 27 East, and in the Pennsylvanian formation underlying the E/2 of said Section 30, to be dedicated to a well drilled at an orthodox location for both formations. Applicant proposes the amendment of said order to provide for an unorthodox location for said well at a point 1980 feet from the South line and 2190 feet from the East line of said Section 30.

CASE 5531: Application of Oil Development Company of Texas for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the San Andres formation in the open-hole interval from 5,000 to 5,150 feet in its SFPRR Well No. 6, located in Unit D of Section 33, Township 9 South, Range 37 East, West Sawyer-San Andres Pool, Lea County, New Mexico.

ATWOOD, MALONE, MANN & COOTER
LAWYERS

JEFF D. ATWOOD (1883-1980)
ROSS L. MALONE (1910-1974)

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CHARLES F. MALONE
RUSSELL D. MANN
PAUL A. COOTER
BOB F. TURNER
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ROBERT E. SABIN
RUFUS E. THOMPSON
RALPH D. SHAMAS

June 18, 1975

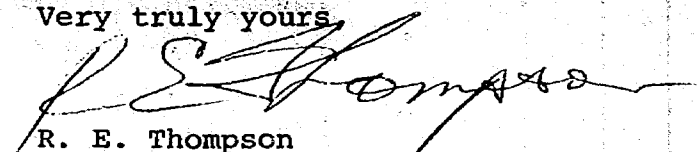
Mr. Joe D. Ramey
Secretary Director
Oil Conservation Commission
Post Office Box 2088
Santa Fe, New Mexico 87501

Dear Mr. Ramey:

Enclosed is Application of Plains Radio Broadcasting Company for an exception to the provisions of Order No. R-3221, as amended. Would you please advise us when the same will be heard.

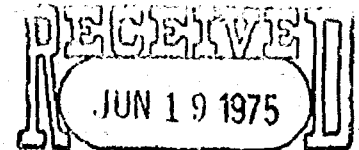
Appreciating your courtesy I am,

Very truly yours,



R. E. Thompson

RET:sgs
Enclosure



BEFORE THE OIL CONSERVATION COMMISSION OIL CONSERVATION COMM.
Santa Fe
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION)
OF PLAINS RADIO BROADCASTING)
COMPANY FOR AN EXCEPTION TO THE)
PROVISIONS OF ORDER NO. R-3221,)
AS AMENDED, CHAVES COUNTY,)
NEW MEXICO.)

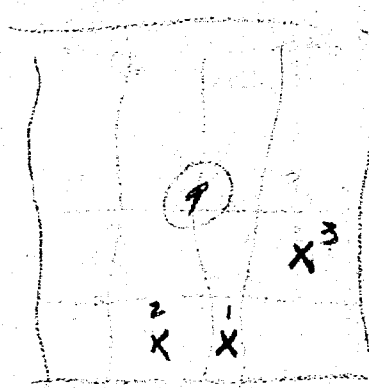
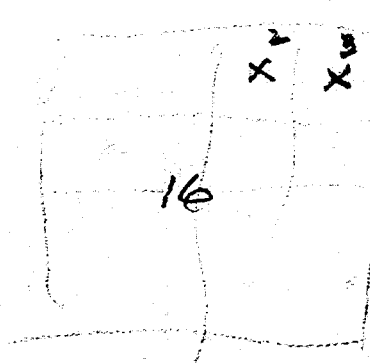
Case No. _____

A P P L I C A T I O N

COMES NOW Plains Radio Broadcasting Company, a Texas corporation duly authorized to transact business in the State of New Mexico, and states:

1. Applicant is the operator of the five following described oil wells situate in Sections 9 and 16, Township 11 South, Range 28 East, N.M.P.M., Chaves County, New Mexico, to-wit:

<u>WELL NUMBER</u>	<u>LOCATION</u>
LER 9-1	SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 9
LER 9-2	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 9
LER 9-3	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 9
LER 16-2	NW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 16
LER 16-3	NE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 16



2. Each of such wells heretofore described produce approximately 45 barrels of salt water per day, in addition to a minimal amount of oil.

3. In the opinion of Applicant, there is no fresh water supply in the vicinity of these wells which might be contaminated by the use of a disposal pit for such produced salt water on the surface of the ground.

4. To prevent waste, Applicant should be granted authority to dispose of the salt water produced from each

of such wells into a surface pit, to be located in Section 9.

WHEREFORE, Applicant respectfully requests the Commission to set this Application for hearing, and that after notice and hearing as required by law, the Commission enter its order granting an exception to the Applicant from the provisions of Order No. R-3221 as amended, permitting the disposal of salt water produced from the wells heretofore described in this Application into a surface disposal pit, or substituted pits, and for all proper relief.

PLAINS RADIO BROADCASTING COMPANY

BY *R. E. Thompson*
ATWOOD, MALONE, MANN & COOTER
P. O. Drawer 700
Roswell, New Mexico

Attorneys for Applicant

DOCKET MAILED
Date 7/7/25

July 14, 1975

Producing wells,

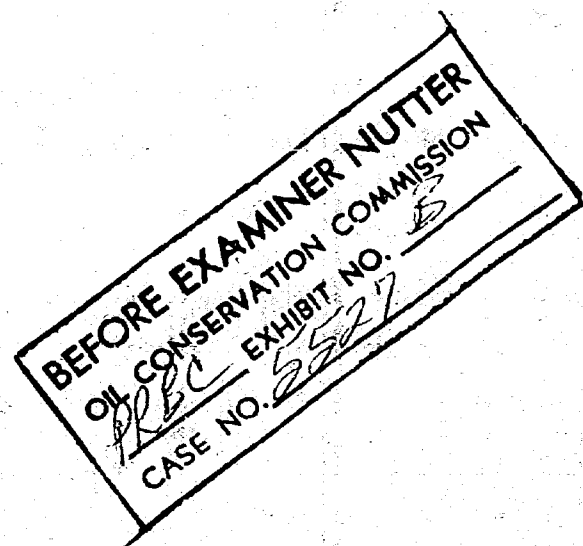
L E Ranch 16-#2 14 bbls. oil, 15 bbls. water

L E Ranch 16 - #3 20 bbls oil, 10 bbls. water

L E Ranch 9-# 1 6 bbls. oil, 0 water

L E Ranch 9-# 2 4 bbls. oil, 0 water

Total: 44 bbls. oil, 55 bbls. water



In process of completion: L. E. Ranch 9-#3

Cost for disposal well approximately \$28,000 to \$30,000.00

Cost of pit and lines; \$4,000.00

Present disposal of water is hauling by truck to top of Caprock.

HALLIBURTON DIVISION LABORATORY

HALLIBURTON COMPANY

MIDLAND DIVISION

LOVINGTON, NEW MEXICO 88260

LABORATORY WATER ANALYSIS

No. W75-475To Plains Radio Broadcasting CompanyDate 6-11-75% Mr. Fred Foole, Jr.

This report is the property of Halliburton Company and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing the express written approval of laboratory management; it may however, be used in the course of regular business operations by any person or concern and employees thereof receiving such report from Halliburton Company.

Submitted by _____

Date Rec. 6-11-75Well No. As Marked

Depth _____

Formation _____

County _____

Field _____

Source _____

L.E.R. Ranch -
House WellL.E.R. Ranch #16-2

Resistivity

9.15 @ 68° F.0.052 @ 68° F.

Specific Gravity

1.0011.145

pH

7.56.4

Calcium (Ca)

903,500

Magnesium (Mg)

30420

Chlorides (Cl)

100135,000Sulfates (SO₄)7503,800Bicarbonates (HCO₃)2701,085

Soluble Iron (Fe)

NilNil

Remarks:

*Milligrams per liter

Respectfully submitted,

Analyst: Brewer

cc:

HALLIBURTON COMPANY

By W. L. Brewer

DIVISION CHEMIST

NOTICE

This report is limited to the described sample tested. Any user of this report agrees that Halliburton shall not be liable for any loss or damage, whether it be to act or omission, resulting from such report or its use.

HALLIBURTON DIVISION LABORATORY

HALLIBURTON COMPANY

MIDLAND DIVISION
LOVINGTON, NEW MEXICO 88260

LABORATORY WATER ANALYSIS

No. W75-525

To Plains Radio Broadcasting Company

Date 6-30-75

Mr. Fred Poole, Jr.

This report is the property of Halliburton Company and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing the express written approval of laboratory management; it may however, be used in the course of regular business operations by any person of concern and employees thereof receiving such report from Halliburton Company.

Submitted by

Date Rec. 6-29-75

Well No. LE Ranch 31 #1

Depth. 300'

Formation

County

Field

Source

Resistivity 1.09 @ 77° F.

Specific Gravity 1.006

pH 7.5

Calcium (Ca) 600

Magnesium (Mg) 126

Chlorides (Cl) 1,100

Sulfates (SO₄) 3,260Bicarbonates (HCO₃) 95

Soluble Iron (Fe) Nil

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
RBC EXHIBIT NO. 2522
CASE NO. 2522

*MPL

Remarks:

*Milligrams per liter

Respectfully submitted,

Analyst: Brewer

cc:

HALLIBURTON COMPANY

By

W. L. Brewer

DIVISION CHEMIST

NOTICE

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HALLIBURTON DIVISION LABORATORY

HALLIBURTON COMPANY

MIDLAND DIVISION

LOVINGTON, NEW MEXICO 88260

LABORATORY WATER ANALYSIS

No. W75-561To Plains Radio Broadcasting CompanyDate 7-11-75Box 231Roswell, New MexicoATTN: Mr. Fred Foole

This report is the property of Halliburton Company and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing the express written approval of laboratory management; it may however, be used in the course of regular business operations by any person or concern and employees thereof receiving such report from Halliburton Company.

Submitted by _____ Date Rec. 7-11-75Well No. Test Hole Wtr. Well Depth _____ Formation _____County _____ Field L.E. Ranch Source _____

Resistivity _____ ND

Specific Gravity _____ 1.002

pH _____ 7.4

Calcium (Ca) _____ 445

Magnesium (Mg) _____ 129

Chlorides (Cl) _____ 600

Sulfates (SO₄) _____ 950Bicarbonates (HCO₃) _____ 170

Soluble Iron (Fe) _____ Nil

Remarks: _____

*Milligrams per liter

Respectfully submitted,

Analyst: Brewer

cc: _____

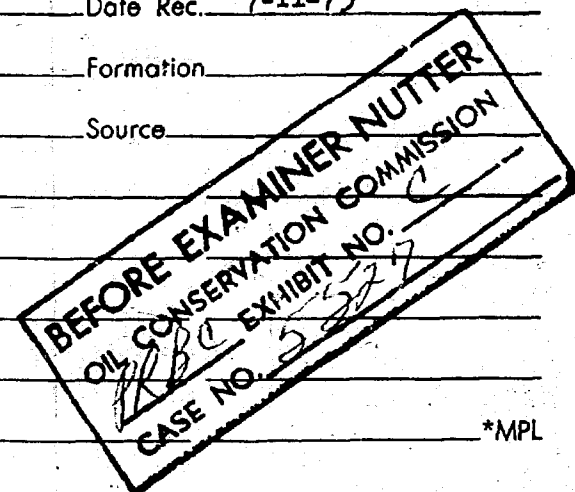
HALLIBURTON COMPANY

By W. L. Brewer

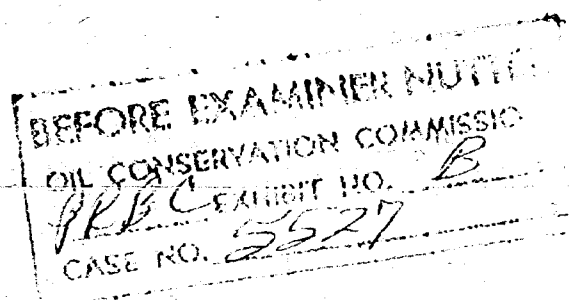
DIVISION CHEMIST

NOTICE

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JULY 11, 1975



Producing wells,

✓ L E Ranch 16-#2 11 bbls. oil, 15 bbls. water

✓ L E Ranch 16 - #3 20 bbls oil, 10 bbls. water

L E Ranch 9-# 1 6 bbls. oil, 0 water

L E Ranch 9-# 2 4 bbls. oil, 0 water

Total: 41 bbls. oil, 55 bbls. water

In process of completion: L. E. Ranch 9-#3

Cost for disposal well approximately \$28,000 to \$30,000.00

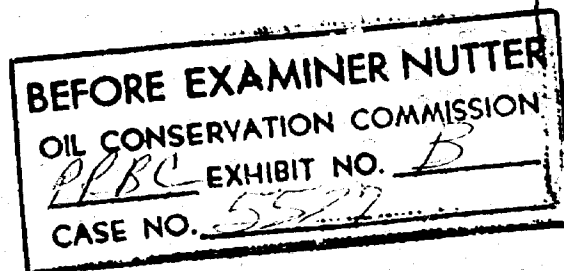
Cost of pit and lines; 1,000.00

Present disposal of water is hauling by truck to top of Caprock.

*well #16-1 could be a disposal well at costs
set out above.

*present cost of trucking water

July 14, 1975



Producing wells,

L E Ranch 16-#2 14 bbls. oil, 15 bbls. water

L E Ranch 16 - #3 20 bbls oil, 10 bbls. water

L E Ranch 9-# 1 6 bbls. oil, 0 water

L E Ranch 9-# 2 4 bbls. oil, 0 water

Total: 44 bbls. oil, 55 bbls. water

In process of completion: L. E. Ranch 9-#3

Cost for disposal well approximately \$20,000 to \$30,000.00

Cost of pit and lines; \$1000.00

Present disposal of water is hauling by truck to top of Caprock.

HALLIBURTON DIVISION LABORATORY

HALLIBURTON COMPANY

MIDLAND DIVISION

LOVINGTON, NEW MEXICO 88260

LABORATORY WATER ANALYSIS

BEFORE EXAMINER NUTTER

OIL CONSERVATION COMMISSION

EXHIBIT NO. 551

CASE NO. 5522
Date 7-11-75

To Plains Radio Broadcasting Company

Box 231

Roswell, New Mexico

ATTN: Mr. Fred Poole

This report is the property of Halliburton Company and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing the express written approval of laboratory management; it may however, be used in the course of regular business operations by any person or concern and employees thereof receiving such report from Halliburton Company.

Submitted by

Date Rec. 7-11-75

Well No. Test Hole Wtr. Well Depth

Formation

County

Field L.E. Ranch

Source

Resistivity

ND

Specific Gravity

1.002

pH

7.4

Calcium (Ca)

445

*MPL

Magnesium (Mg)

129

Chlorides (Cl)

600

Sulfates (SO₄)

950

Bicarbonates (HCO₃)

170

Soluble Iron (Fe)

Nil

Remarks:

*Milligrams per liter

Respectfully submitted,

Analyst: Brewer

cc:

HALLIBURTON COMPANY

By

W. L. Brewer

DIVISION CHEMIST

NOTICE

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HALLIBURTON DIVISION LABORATORY

HALLIBURTON COMPANY

MIDLAND DIVISION

LOVINGTON, NEW MEXICO 88260

LABORATORY WATER ANALYSIS

No. W75-525To Plains Radio Broadcasting CompanyDate 6-30-75Mr. Fred Poole, Jr.

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Submitted by _____

Date Rec. 6-29-75Well No. LE Ranch 31 #1Depth 300'

Formation _____

County _____

Field _____

Source _____

Resistivity _____

1.09 @ 77° F.

Specific Gravity _____

1.006

pH _____

7.5

Calcium (Ca) _____

600

*MPL

Magnesium (Mg) _____

126

Chlorides (Cl) _____

1,100Sulfates (SO₄) _____3,260Bicarbonates (HCO₃) _____95

Soluble Iron (Fe) _____

Bil

Remarks: _____

*Milligrams per liter

Respectfully submitted,

Analyst: Brewer

cc: _____

HALLIBURTON COMPANY

By W. L. Brewer

DIVISION CHEMIST

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HALLIBURTON DIVISION LABORATORY

HALLIBURTON COMPANY

MIDLAND DIVISION

LOVINGTON, NEW MEXICO 88260

LABORATORY WATER ANALYSIS

No. W75-475To Flains Radio Broadcasting CompanyDate 6-11-75Mr. Fred Foole, Jr.

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Submitted by _____

Date Rec. 6-11-75Well No. As Marked

Depth _____

Formation _____

County _____

Field _____

Source _____

L.E.R. Ranch -
House Well

L.E.R. Ranch #16-2

Resistivity _____

9.15 @ 68° F.

0.052 @ 68° F.

Specific Gravity _____

1.001

1.145

pH _____

7.5

6.4

Calcium (Ca) _____

90

3,500

Magnesium (Mg) _____

30

420

Chlorides (Cl) _____

100

135,000

Sulfates (SO₄) _____

750

3,800

Bicarbonates (HCO₃) _____

270

1,085

Soluble Iron (Fe) _____

Nil

Nil

Remarks: _____

*Milligrams per liter

Respectfully submitted,

Analyst: Brewer

cc: _____

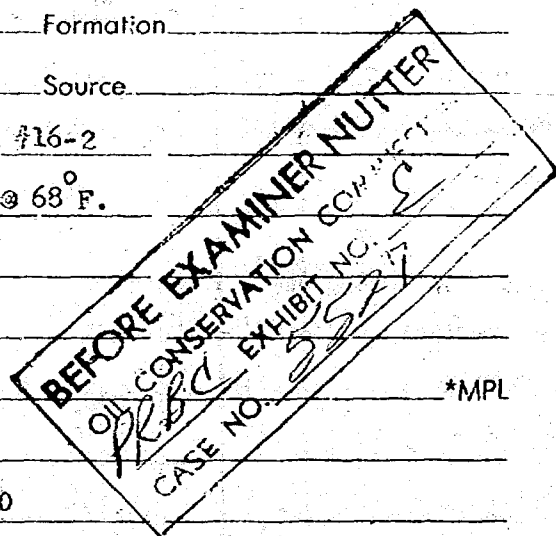
HALLIBURTON COMPANY

By W. L. Brewer

DIVISION CHEMIST

NOTICE

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dr/

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

Order No. R- 5071

APPLICATION OF PLAINS RADIO
BROADCASTING COMPANY FOR AN
EXCEPTION TO THE PROVISIONS OF
ORDER NO. R-3221, AS AMENDED,
CHAVES COUNTY, NEW MEXICO.

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on July 16, 1975,
at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this _____ day of July, 1975, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

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

(2) That the applicant, Plains Radio Broadcasting Company is the owner and operator of certain leases in ^{and adjoining} the East Chisum-San Andres Pool ~~comprising the~~ ~~Sections 9 and 10 of Township 11 South, Range 28 East, NMPM, Chaves County, New Mexico.~~ ~~and the~~ ~~Sections 9 and 10 of~~ ~~Section 16, Township 11 South, Range 28 East, NMPM, Chaves County, New Mexico.~~ on Sections 9 and 16, Township 11 South, Range 28 East, NMPM, Chaves County, New Mexico.

(3) That Order (3) of Commission Order No. R-3221, as amended, prohibits in that area encompassed by Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico, the disposal, subject to minor exceptions, of water produced in conjunction with the production of oil or gas, or both, on the surface of the ground, or in any pit, pond, lake, depression, draw, streambed, or arroyo, or in any watercourse, or in any other place or in any manner which would constitute a hazard to any fresh water supplies and said disposal has not previously been prohibited.

(4) That the aforesaid Order No. R-3221 was issued in order to afford reasonable protection against contamination of fresh water supplies designated by the State Engineer through disposal of water produced in conjunction with the production of oil or gas, or both, in unlined surface pits.

(5) That the State Engineer has designated, pursuant to Section 65-3-11 (15), N.M.S.A., 1953 Compilation, all underground water in the State of New Mexico containing 10,000 parts per million or less of dissolved solids as fresh water supplies to be afforded reasonable protection against contamination; except that said designation does not include any water for which there is no present or reasonably foreseeable beneficial use that would be impaired by contamination.

(6) That the applicant seeks an exception to the provisions of the aforesaid Order (3) to permit the disposal of salt water produced by applicant's L. E. Ranch 9 Wells Nos. 1, 2, and 3, located, respectively, in Units O, N, and I of Section 9, and its L. E. Ranch 16 Wells Nos. 2 and 3, located, respectively, in Units B and A of Section 16 in unlined surface pits on said leases.

-3-
Case No. 5527
Order No. R-

(7) That there appears to be no shallow fresh water in the vicinity of any of the above-described wells for which a present or reasonably foreseeable beneficial use is or will be impaired by contamination from unlined surface pits located in the vicinity of said wells.

(8) That the applicant should be permitted to utilize unlined surface pits for the disposal of salt water produced by the above-described five wells.

IT IS THEREFORE ORDERED:

(1) That the applicant, Plains Radio Broadcasting Company, is hereby granted an exception to Order (3) of Commission Order No. R-3221, as amended, to dispose of water produced in conjunction with the production of oil or gas, or both, by its L. E. Ranch 9 Wells Nos. 1, 2, and 3, located, respectively, in Units O, N, and I of Section 9, and its L. E. Ranch 16 Wells Nos. 2 and 3, located, respectively, in Units B and A of Section 16 in unlined surface pits on said leases.

(2) That the Secretary-Director of the Commission may by administrative order rescind such authority whenever it reasonably appears to the Secretary-Director that such rescission would serve to protect fresh water supplies from contamination.

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

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

CASE 5528: RESERVE OIL AND GAS COMPANY
FOR WATERFLOOD EXPANSION, LEA COUNTY

Disputed
Decided
Appraised
Administered