

CASE 1989: Application of AMERADA  
for an order authorizing a salt  
water disposal well (State SR "A" #1)

Casa No.

1989

Application, Transcript,  
Small Exhibits, Etc.

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

June 30, 1960

Mr. Jason Kellahin  
Kellahin & Fox  
Box 1713  
Santa Fe, New Mexico

Dear Sir:

On behalf of your client, Amerada Petroleum Corporation, we enclose two copies of Order R-1709 in Case 1988 issued by the Oil Conservation Commission this date.

Very truly yours,

A. L. PORTER, Jr.  
Secretary-Director

ir/

Carbon copy of order sent to:

Oil Conservation Commission - Hobbs, N. Mex.

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## NEW MEXICO OIL CONSERVATION COMMISSION

Examiner hearing - (Daniel S. Nutter)

Mabry Hall- Santa Fe, NEW MEXICO

REGISTERHEARING DATE June 22, 1960TIME: 9 a.m.

NAME:	REPRESENTING:	LOCATION:
John A Queen	Continental Oil	Roswell, NM
R.L. Freeborn	✓	Ft. Worth, Texas
R.E. McWilliams	✓	Hobbs, NM
W.H. LAIRD	INTEX OIL CO	BAKERSFIELD CALIF
R.W. Turner	Intex Oil Co.	Denver, Colo.
R.B. Miller	Intex Oil Co.	Bakersfield, Calif.
Sedley CORNELL	attor	Albany
J.F. ROBINSON, Jr.	TEXACO INC.	Midland, Tex.
Jason Kellahan	Kellahan & Fox	Santa Fe
A.E. Snyder	Amerada Petr. Corp.	Hobbs, NM.
L.P. White	Robert White & Sons	Santa Fe, NM.
W.P. Tompkins	Atlantic	Roswell
W.W. Winsty IV	Hervey, Dow & Hinkle	Roswell, N.M.
Donald K. Lawrence	Sun Oil Co.	Odessa
Geo H. Heston	John J. Redford Jr.	Farmington
Brookman, Jr.	Great Western Oil Co.	Midland, Texas
Cox M Campbell	Campbell & Russell	Roswell NM
Joe Gordon Jr.	Mobil Oil	Hobbs, NM
Bivins, Jr. G.H.	✓	✓

## NEW MEXICO OIL CONSERVATION COMMISSION

Examiner hearing (Daniel S. Nutter, NEW MEXICOREGISTERHEARING DATE June 22, 1960

TIME: \_\_\_\_\_

NAME:	REPRESENTING:	LOCATION:
<i>James Dunning</i>	<i>Franklin Art's Fair</i>	<i>Town C</i>
<i>B K Lawrence</i>	<i>Sun Oil Co</i>	<i>Odessa, 2f</i>
<i>A R Bullen</i>	<i>- - -</i>	<i>Sulphur, 2f</i>
<i>S B Christy Jr</i>	<i>- - -</i>	<i>Roswell</i>
<i>Roger Aston</i>	<i>Franklin, Art's Fair</i>	<i>Roswell</i>
<i>Tom Stephens</i>	<i>" " "</i>	<i>"</i>
<i>ALBERT H GREEN</i>	<i>PAN AMERICAN PETROL</i>	<i>LUBBOCK TEX</i>
<i>LONNIE L. SMITH</i>	<i>GULF</i>	<i>HOBBS, NM</i>
<i>JOHN HOOVER</i>	<i>"</i>	<i>ROSWELL</i>
<i>BILL KASTLER</i>	<i>"</i>	<i>"</i>
<i>OH Brewer</i>	<i>Meas. Westinghouse Co</i>	<i>Midland, Tex</i>

BEFORE THE  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
June 22, 1960

EXAMINER HEARING

-----  
IN THE MATTER OF: )

)  
Application of Amerada Petroleum Cor- )  
poration for an order authorizing a salt )  
water disposal well. Applicant, in the )  
above-styled cause, seeks an order auth- )  
orizing the disposal of produced salt )  
water through its State SR "A" Well No. )  
1, located in the SW/4 SW/4 of Section )  
14, Township 9 South, Range 32 East, )  
Lea County, New Mexico, with the injec- )  
tion to be in the Devonian formation in )  
the interval from 11,103 feet to 11,130 )  
feet. )  
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Case 1989

BEFORE: Daniel S. Nutter, Examiner.

TRANSCRIPT OF HEARING

MR. NUTTER: The hearing will come to order, please.

The first case on the docket this morning will be Case 1989.

MR. PAYNE: Application of Amerada Petroleum Corporation  
for an order authorizing a salt water disposal well.

MR. KELLAHIN: If the Examiner please, Jason Kellahin,  
Kellahin & Fox representing the applicant and we'll have one  
witness, Mr. Snyder.

(Witness sworn.)

(Whereupon, Amerada's Exhi-  
bits 1, 2 & 3 were marked  
for identification.)



A. E. SNYDER

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

DIRECT EXAMINATION

BY MR. KELLAHIN:

Q Would you state your name, please?

A A. E. Snyder.

Q By whom are you employed and in what position, Mr. Snyder?

A Assistant District Engineer in New Mexico for Amerada Petroleum Corporation.

Q Have you testified before this Commission as a petroleum engineer and had your qualifications accepted?

A Yes, sir.

MR. KELLAHIN: Are the witness's qualifications acceptable?

MR. NUTTER: Yes, please proceed.

Q Are you familiar with the Amerada Petroleum Corporation's application in Case 1989?

A Yes, sir.

Q Would you state briefly what's proposed in this application?

A In this application Amerada proposes to take a presently producing Devonian well which has reached its economic limit in the South Roberts Ranch Field in Lea County, New Mexico and convert



it into a salt water disposal well in the Devonian formation.

Q Referring to Exhibit 1, will you discuss that exhibit, please?

A Exhibit No. 1 is a plat showing the proposed salt water disposal well in the SW/4 SW/4 of Section 14, Township 9 South, Range 32 East, Lea County, New Mexico. This plat also shows other wells that have been drilled within a two mile radius of the proposed well and a total of four wells were drilled to the Devonian formation in this area.

The tops of the Devonian are shown on this plat. Two of the wells were dry holes to start with. The two wells that produced oil were the proposed disposal well and the immediate West offset.

Q What is the status of the proposed disposal well at the present time?

A This well is currently pumping about 20 barrels of oil per day and 850 barrels of water per day and the GOR on it is practically negligible, it's very small. The operating cost of the well for the past year has been in excess of what the revenue from the oil has been. The field itself is in a very remote location and there's not enough gas present in the Devonian oil to operate the pumping equipment, so for quite a while we bought butane for fuel, had to haul it 40 miles to the location and use it. It was very expensive to do that. We were finally able to get a gas supply within six miles of the area, we laid the line





and the cost we are having to pay for the gas, about thirty-nine cents per thousand cubic feet, has caused the lifting cost to be very excessive, the amount of water we handle, we have had a lot of rod breaks and the thing is just uneconomical to operate.

Q What is the status of your offset well to the West?

A The offset well to the West, it's still a top allowable well. It is making quite a bit of water, about 600 barrels per day now.

Q If the Commission approves the application to convert the State SR Well No. 1 to salt water disposal, in your opinion will there be any loss of oil which could otherwise be recovered?

A No, I believe not.

Q Now, referring to what has been marked as Exhibit No. 2, would you state what information is shown on that exhibit?

A Exhibit No. 2 is a log, electrolog of the proposed disposal well. On this log I have marked the top of the Devonian at about 11,100 feet, have shown the casing perforations presently existing 11,103 to 11,130 feet and showing that 5½" casing is set at 11,177 feet.

Q Now, referring to what has been marked as Exhibit No. 3, would you discuss the proposed completion for salt water disposal?

A Exhibit 3 is a diagrammatic sketch of the equipment presently in the well in addition to what we anticipate putting in and it shows that 13-5/8" surface casing set at 3400 feet,



cemented with the 250 sacks, the cement did not circulate but we did not run a temperature survey to find out where the top is. We had 8-5/8" set at 3533, cemented with 300 sacks and found the top of the cement at 684 feet; 5 1/2" casing set at 11,177 feet, cemented with 900 sacks, we found the top of the cement at 7927 feet. It shows the total well depth at 11,177 and current perforations, as I mentioned, at 11,103 to 11,130.

We plan on running 2-3/8" internally plastic-coated tubing and setting at 8,000 feet. This will be almost 100 feet below the top of the cement. We plan on having an oil blanket in the tubing casing annulus from the bottom casing up to the top of the hole, so it would not necessitate running a packer.

Q In this area did you encounter any fresh water zones?

A I'm not sure about that. I think generally in the area from the San Andres formation on up is considered possibly to be fresh water zones.

Q Will the type of completion and the operation of the well as you have proposed adequately protect those zones --

A Yes, it will.

Q -- if there is fresh water there?

A Yes.

Q Will it also adequately protect any producing horizon that may exist?

A Yes, sir.



Q Will the water be injected by gravity?

A Yes, it will.

Q What volumes of water do you anticipate injecting?

A We anticipate the maximum about 1,000 barrels a day.

Q What is the source of the water?

A This water will be from the other Devonian producing well, the West offset to this well.

Q Is that the only source of water that has to be disposed of in this area?

A Yes, sir.

Q What prompted Amerada to seek to convert this well to salt water disposal?

A Some time back the Commission had asked Amerada to see if we could not dispose of the water underground in this area along with several areas in Lea County, and at that time we did not have a disposal well available and the economics of drilling a well to make a disposal well would have made it prohibitive. Now we do have this well available and we would like to go ahead and put the water in the ground.

Q Now, the producing well to the West is a top allowable well, is it not?

A Yes, sir.

Q Would you expect any effect on that well by the injection with water in your SR "A" No. 1?



A No. We don't expect any effect at all one way or the other in this particular case. The Devonian here has very good permeability and a good water drive. In the four years of operation of these two wells we produced about 820,000 barrels of oil, an estimated million and a half barrels of water, and we have only reduced the reservoir pressure about 150 pounds. So we have good permeability and good water drive and we don't expect the amount of water we're putting back in to cause any effect one way or the other.

Q Were Exhibits 1, 2 and 3 prepared by you or under your direction and supervision?

A Yes, sir.

MR. KELLAHIN: At this time we would like to offer in evidence Exhibits 1, 2 and 3.

MR. NUTTER: Amerada's Exhibits 1, 2 and 3 will be entered.

MR. KELLAHIN: That's all the questions I have, Mr. Nutter.

MR. NUTTER: Does anyone have any questions?

MR. PAYNE: Yes.

MR. NUTTER: Mr. Payne.

CROSS EXAMINATION

BY MR. PAYNE:

Q In the completion of your State SR "A" Well No. 1, did you encounter any oil or gas pay zones below 7,927 feet other than



the Devonian?

A We did test some other intervals there but on drill stem test in the Pennsylvanian Zone I believe we had a show of gas and oil and we tried to complete in it and never could make a completion in it. The formation was very tight, we tried to acidize and frack it and never could break it down.

Q So you don't feel there's production in the immediate area of this well, at least?

A No.

Q If a casing leak developed below the 8,000 foot mark, you feel the chances of contaminating any other producing zone would be relatively remote?

A Yes, sir.

Q Is this water very corrosive?

A Not real corrosive. The total solids in this water is something on the order of about 60,000 parts per million and it does have some  $H_2S$ , but we have not found it corrosive.

Q The plastic-coated tubing ought to be able to handle that problem?

A Yes, sir.

Q With the permeability in the Devonian being relatively good you feel that this well will be able to take a thousand barrels a day by gravity?

A Yes, sir, I believe it will.



Q Is the disposal interval in this well the same as the producing interval from your well to the left?

A Yes.

MR. PAYNE: Thank you.

MR. NUTTER: Any further questions?

BY MR. NUTTER:

Q Has any effort been made to alleviate the water production problem in this well prior to abandonment?

A Yes, sir.

Q What attempts have been made?

A We have tried to cut back the water by various producing methods, possibly, one time we did squeeze and reperforated a little higher in the interval and ended up in worse shape than we were to start with.

Q Was the well originally perforated lower?

A It was initially perforated ten feet deeper than it is now.

Q I notice the top of the Devonian in the offsetting well to the West appears to be some 28 or 30 feet higher. Is that the case, that the structure is ~~raising~~ to the West there?

A Yes, sir.

Q What is the perforated interval on the SR "B" 1?

A 11,085 to 11,125. The base of the perforations are a little deeper than in SR "A" No. 1.



Q So, in effect, you will be disposing water slightly lower than the producing interval in the SR "B" 1?

A Yes, sir.

MR. NUTTER: Any further questions? Mr. Snyder may be excused.

(Witness excused.)

MR. NUTTER: Do you have anything further, Mr. Kellahin?

MR. KELLAHIN: That's all I have, Mr. Nutter.

MR. NUTTER: Does anyone have anything further for Case No. 1989? We will take the case under advisement and take Case 1990.

STATE OF NEW MEXICO )  
 ) SS  
COUNTY OF BERNALILLO )

I, ADA DEARNLEY, Court Reporter, do hereby certify that the foregoing and attached transcript of proceedings before the New Mexico Oil Conservation Commission at Santa Fe, New Mexico, is a true and correct record to the best of my knowledge, skill and ability.

IN WITNESS WHEREOF I have affixed my hand and notarial seal this 25th day of June, 1960.

*Ada Dearnley*  
Notary Public-Court Reporter

My commission expires June 19, 1963. I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 1989, held on 6/22 1960.

*James*, Examiner  
New Mexico Oil Conservation Commission



DOCKET: EXAMINER HEARING JUNE 22, 1960

Oil Conservation Commission 9 a.m., Mabry Hall, State Capitol, Santa Fe, N.M.

The following cases will be heard before Daniel S. Nutter, Examiner, or Oliver E. Payne, Attorney, as alternate examiner:

\*NOTE: Case Nos. 1995 through 2001 and Case 1972 will not be heard before 1 p.m.

CASE 1989: Application of Amerada Petroleum Corporation for an order authorizing a salt water disposal well. Applicant, in the above-styled cause, seeks an order authorizing the disposal of produced salt water through its State SR "A" Well No. 1, located in the SW/4 SW/4 of Section 14, Township 9 South, Range 32 East, Lea County, New Mexico, with the injection to be in the Devonian formation in the interval from 11,105 feet to 11,130 feet.

CASE 1990: Application of Continental Oil Company for a waterflood project. Applicant, in the above-styled cause, seeks an order authorizing it to institute a waterflood project in the Skaggs Pool on its Southeast Monument Unit by the injection of water into the Grayburg formation through six wells located in Sections 19, 24, and 30, Township 20 South, Ranges 37 and 33 East, Lea County, New Mexico.

CASE 1991: Application of Texaco Inc. for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its C. P. Falby "B" Well No. 3, located in Unit M, Section 8, Township 22 South, Range 37 East, Lea County, New Mexico, in such a manner as to produce oil from the Edmont Pool and oil from the Penrose-Skelly Pool through parallel strings of one-inch O.D. tubing and 2 1/16-inch O.D. tubing respectively.

CASE 1992: Application of Texaco Inc. for permission to commingle the production from three separate leases. Applicant, in the above-styled cause, seeks an order authorizing it to commingle the production from the Dollarhide-Queen Pool from its United Royalty "A" Lease comprising the S/2 SW/4, NE/4 SW/4, and the SE/4 NW/4 of Section 19, Township 24 South, Range 38 East, Lea County, New Mexico, its Royalty Holding Company Lease comprising the SW/4 NW/4 of said Section 19, and from its W. L. Stephen Estate Lease, comprising the N/2 NW/4 of said Section 19, after separately metering the production from each lease.



CASE 1997: Application of Sun Oil Company for permission to commingle the production from several separate leases. Applicant, in the above-styled cause, seeks permission to commingle the Wolfcamp production from several separate leases in Sections 2, 3, 4, 8, 9, 10, and 11 of Township 9 South, Range 34 East, Lea County, New Mexico, and Section 35 of Township 8 South, Range 34 East, Roosevelt County, New Mexico.

CASE 1998: Application of Great Western Drilling Company for an order force-pooling the interests in a 200-acre non-standard gas proration unit in the Eumont Gas Pool. Applicant, in the above-styled cause, holder of a 200-acre non-standard gas proration unit in the Eumont Gas Pool consisting of the E/2 NE/4 of Section 32 and the E/2 NW/4 and NW/4 NW/4 of Section 33, all in Township 19 South, Range 37 East, Lea County, New Mexico, seeks an order force-pooling all interests in said unit within the vertical limits of the Eumont Gas Pool, including interests of the following persons who have not consented to communitization: S. E. Cone c/o J. R. Cone, Attorney-in-Fact, Great Plains Life Building, Lubbock, Texas, H. L. Lowe, Great Plains Life Building, Lubbock, Texas, Abner M. Jack, Box 423, Scooba, Mississippi, and W. M. Beauchamp, Ancillary Guardian of the Estate of William Howard Jack, c/o District Clerk, Lovington, New Mexico and also the following persons whose addresses are unknown: Henry Hall, The Estate of Fred B. Caylor, B. A. Bowers, The Estate of George F. Henneberry, deceased, Mrs. Joy Mabel Stanley, and The Heirs of Elizabeth A. Anderson, and also an unknown person whose address is unknown.

CASE 1999: Application of Socony Mobil Oil Company for an exception to Rule 107 (e) (1). Applicant, in the above styled cause, seeks an exception to Rule 107 (e) (1) in order to complete the following-described wells as "slim-hole" completions in the Devonian formation at depths in excess of 5,000 feet:

Federal "A" Well No. 1, 2510 feet from  
the North and West Lines of Section 31

Santa Fe "F" Well No. 2, 1980 feet from  
the South line and 660 feet from the West  
line of Section 20

both in Township 9 South, Range 36 East, Lea County, New Mexico.

CASE 1993: Application of Shell Oil Company for an amendment of Order R-1101-A. Applicant, in the above-styled cause, seeks an order amending Order R-1101-A to include the following-described leases in the commingling and automatic custody transfer authorization granted in said order:

Linam Lease, NE/4 NE/4 and NW/4 NW/4, Section 3,  
Lowe Land Lease, NW/4 NE/4 and NE/4 NW/4,  
Section 3

both in Township 20 South, Range 35 East, Lea County, New Mexico.

CASE 1994: Application of Intex Oil Company for approval of a unit agreement. Applicant, in the above-styled cause, seeks approval of its Puerto-Chiquito Unit Agreement, which unit will embrace approximately 12,721 acres of Federal and fee land in Township 26 North, Range 1 East, Rio Arriba County, New Mexico.

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\* The following cases will not be heard before 1 p.m.

CASE 1995: Application of Redfern and Herd, Inc., John J. Redfern, Jr., and J. H. Herd for an order force pooling the interests in a 320-acre gas unit in the Dakota Producing Interval. Applicant, in the above-styled cause, seeks an order force pooling all mineral interests in the N/2 of Section 32, Township 29 North, Range 11 West, San Juan County, New Mexico, insofar as the Dakota Producing Interval is concerned, including Pan American Petroleum Corporation and including the following person who has not consented to communitization: Sam Carson, 511 E. Main Street, Farmington, New Mexico.

CASE 1996: Application of Leonard Oil Company for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Federal Ginsberg Well No. 9, located in Unit D, Section 31, Township 25 South, Range 38 East, Lea County, New Mexico, in such a manner as to produce oil from the Justis-Fusselman Pool and oil from the Blinebry formation adjacent to the Justis-Blinebry Pool through parallel strings of 2 3/8-inch tubing.

CASE 2000: Application of Gulf Oil Corporation for permission to commingle the production from three separate leases and for permission to install an automatic custody transfer system. Applicant, in the above-styled cause, seeks permission to commingle the Monument Pool production from the following-described leases in Lea County, New Mexico: R. R. Bell (NCT-G) lease consisting of the S/2 SE/4 of Section 13, Graham State (NCT-H) lease consisting of the W/2 SW/4 of Section 13, and the H. T. Orcutt (NCT-D) lease consisting of the W/2 NE/4 of Section 13, all in Township 20 South, Range 36 East. Applicant further seeks permission to install an automatic custody transfer system to handle the Monument Pool production from said leases.

CASE 1972: (Continued)

Application of Gulf Oil Corporation for permission to commingle the production from several separate pools. Applicant, in the above-styled cause, seeks permission to commingle the Blinebry oil production with the Blinebry gas condensate and Tubb gas condensate from all wells on its T. R. Andrews lease comprising the E/2 of Section 32, Township 22 South, Range 38 East, Lea County, New Mexico, after separately metering the Blinebry oil production.

CASE 2001: Application of Franklin, Aston and Fair, Inc., for an amendment of Order No. R-1573-A. Applicant, in the above-styled cause, seeks an amendment of Order No. R-1573-A to provide an alternative to the shut-in provisions contained therein as relating to certain leases in the Empire-Abo Pool, Eddy County, New Mexico.

CLERK OFFICE

RECEIVED

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF )  
AMERADA PETROLEUM CORPORATION FOR )  
PERMISSION TO CONVERT ITS STATE SR )  
"A" WELL NO. 1 INTO A SALT WATER )  
DISPOSAL WELL, SAID WELL LOCATED IN )  
SECTION 14-T9S-R32E, LEA COUNTY, )  
NEW MEXICO. )

Case No. 1989

A P P L I C A T I O N

Comes now Amerada Petroleum Corporation and applies to the Oil Conservation Commission of New Mexico for permission to convert its State SR "A" Well No. 1 into a salt water disposal well, and in support thereof would show:

1. That said well is owned and operated by applicant, and is located in Section 14, Township 9 South, Range 32 East, N.M.P.M.
2. That said well is approaching its economic limit of operations and applicant proposes to convert it into a salt water disposal well in the Devonian Formation, which formation is productive of oil and gas within two miles of the proposed disposal well.
3. It is proposed that water be disposed of into the Devonian formation through perforations from 11,103 feet to 11,130 feet.
4. All injected water will come from the Devonian formation in the SR "B" Well No. 1, and it is estimated that the amount of water to be disposed of is approximately 1,000 barrels per day.

*Robert  
M. H. H.*

5. There is attached hereto as Exhibit A, a plat showing the location of subject well and location of other wells within two miles thereof. The only other producing well in the subject area is the Amerada State SR "B" No. 1, located in the SE $\frac{1}{4}$ SE $\frac{1}{4}$  Sec. 15-9S-32E.

6. Attached as Exhibit B is a schematic diagram showing casing program, perforations, and proposed tubing program in proposed disposal well.

7. Attached as Exhibit C is the electrical log of the proposed salt water disposal well.

WHEREFORE, applicant requests that this matter be set for hearing, that notice thereof be given as required by law and that, after notice and hearing, the Commission enter its order authorizing the disposal of produced water as herein proposed.

Respectfully submitted,

AMERADA PETROLEUM CORPORATION

By Jason W. Kellahin  
Kellahin & Fox  
P. O. Box 1713  
Santa Fe, New Mexico

ATTORNEYS FOR APPLICANT

198

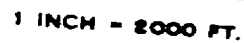


Exhibit A

AMERADA PETROLEUM CORPORATION

State SR "A" No. 1  
South Roberts Ranch Field  
SW SW Section 14 - T9S - R32E  
Lea County, New Mexico

13 5/8" Casing set at 340'  
Cemented with 250 sacks  
Cement did not circulate

8 5/8" Casing set at 3533'  
Cemented with 1500 sacks  
Cement top at 684'

2 3/8" Internal plastic  
coated tubing. Set at  
8000'.

5 1/2" Casing set at 11,177'  
Cemented with 900 sacks  
Cement top at 7327'

Devonian  
Perfs. 11,103' to 11,130'

TD 11,177'

Exhibit B

Docket No. 17-60

CASE 2000:

Application of Gulf Oil Corporation for permission to commingle the production from three separate leases and for permission to install an automatic custody transfer system. Applicant, in the above-styled cause, seeks permission to commingle the Monument Pool production from the following-described leases in Lea County, New Mexico: R. R. Bell (NCT-G) lease consisting of the S/2 SE/4 of Section 13, Graham State (NCT-H) lease consisting of the W/2 SW/4 of Section 13, and the H. T. Orcutt (NCT-D) lease consisting of the W/2 NE/4 of Section 13, all in Township 20 South, Range 36 East. Applicant further seeks permission to install an automatic custody transfer system to handle the Monument Pool production from said leases.

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Application of Franklin, Aston and Fair, Inc., for an amendment of Order No. R-1573-A. Applicant, in the above-styled cause, seeks an amendment of Order No. R-1573-A to provide an alternative to the shut-in provisions contained therein as relating to certain leases in the Empire-Abo Pool, Eddy County, New Mexico.



CASE 1997:

Application of Sun Oil Company for permission to commingle the production from several separate leases. Applicant, in the above-styled cause, seeks permission to commingle the Wolfcamp production from several separate leases in Sections 2, 3, 4, 8, 9, 10, and 11 of Township 9 South, Range 34 East, Lea County, New Mexico, and Section 35 of Township 8 South, Range 34 East, Roosevelt County, New Mexico.

CASE 1998:

Application of Great Western Drilling Company for an order force-pooling the interests in a 200-acre non-standard gas proration unit in the Eumont Gas Pool. Applicant, in the above-styled cause, holder of a 200-acre non-standard gas proration unit in the Eumont Gas Pool consisting of the E/2 NE/4 of Section 32 and the E/2 NW/4 and NW/4 NW/4 of Section 33, all in Township 19 South, Range 37 East, Lea County, New Mexico, seeks an order force-pooling all interests in said unit within the vertical limits of the Eumont Gas Pool, including interests of the following persons who have not consented to communitization: S. E. Cone c/o J. R. Cone, Attorney-in-Fact, Great Plains Life Building, Lubbock, Texas, H. L. Lowe, Great Plains Life Building, Lubbock, Texas, Abner M. Jack, Box 423, Scooba, Mississippi, and W. M. Deauchamp, Ancillary Guardian of the Estate of William Howard Jack, c/o District Clerk, Lovington, New Mexico and also the following persons whose addresses are unknown: Henry Hall, The Estate of Fred B. Caylor, B. A. Bowers, The Estate of George F. Henneberry, deceased, Mrs. Joy Mabel Stanley, and The Heirs of Elizabeth A. Anderson, and also an unknown person whose address is unknown.

CASE 1999:

Application of Socony Mobil Oil Company for an exception to Rule 107 (e) (1). Applicant, in the above styled cause, seeks an exception to Rule 107 (e) (1) in order to complete the following-described wells as "slim-hole" completions in the Devonian formation at depths in excess of 5,000 feet:

Federal "A" Well No. 1, 2810 feet from  
the North and West Lines of Section 31

Santa Fe "F" Well No. 2, 1981 feet from  
the South line and 660 feet from the West  
line of Section 20

both in Township 9 South, Range 36 East, Lea County, New Mexico.

Docket No. 17-60

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Linam Lease, NE/4 NE/4 and NW/4 NW/4, Section 3,  
Lowe Land Lease, NW/4 NE/4 and NE/4 NW/4,  
Section 3

both in Township 20 South, Range 35 East, Lea County, New Mexico.

CASE 1994: Application of Intex Oil Company for approval of a unit agreement. Applicant, in the above-styled cause, seeks approval of its Puerto-Chiquito Unit Agreement, which unit will embrace approximately 12,721 acres of Federal and fee land in Township 26 North, Range 1 East, Rio Arriba County, New Mexico.

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\* The following cases will not be heard before 1 p.m.

CASE 1995: Application of Redfern and Herd, Inc., John J. Redfern, Jr., and J. H. Herd for an order force pooling the interests in a 320-acre gas unit in the Dakota Producing Interval. Applicant, in the above-styled cause, seeks an order force pooling all mineral interests in the N/2 of Section 32, Township 29 North, Range 11 West, San Juan County, New Mexico, insofar as the Dakota Producing Interval is concerned, including Pan American Petroleum Corporation and including the following person who has not consented to communitization: Sam Carson, 511 E. Main Street, Farmington, New Mexico.

CASE 1996: Application of Leonard Oil Company for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Federal Ginsberg Well No. 9, located in Unit D, Section 31, Township 25 South, Range 38 East, Lea County, New Mexico, in such a manner as to produce oil from the Justis-Fusselman Pool and oil from the Blinebry formation adjacent to the Justis-Blinebry Pool through parallel strings of 2 3/8-inch tubing.

No. 17-60

DOCKET: EXAMINER HEARING JUNE 22, 1960

Oil Conservation Commission 9 a.m., Mabry Hall, State Capitol, Santa Fe, N.M.  
The following cases will be heard before Daniel S. Nutter, Examiner, or Oliver E. Payne, Attorney, as alternate examiner:

\*NOTE: Case Nos. 1995 through 2001 and Case 1972 will not be heard before 1 p.m.

CASE 1989:

Application of Amerada Petroleum Corporation for an order authorizing a salt water disposal well. Applicant, in the above-styled cause, seeks an order authorizing the disposal of produced salt water through its State SR "A" Well No. 1, located in the SW/4 of Section 14, Township 9 South, Range 32 East, Lea County, New Mexico, with the injection to be in the Devonian formation in the interval from 11,108 feet to 11,130 feet.

CASE 1990:

Application of Continental Oil Company for a waterflood project. Applicant, in the above-styled cause, seeks an order authorizing it to institute a waterflood project in the Skaggs Pool on its Southeast Monument Unit by the injection of water into the Grayburg formation through six wells located in Sections 19, 24, and 30, Township 20 South, Ranges 37 and 38 East, Lea County, New Mexico.

CASE 1991:

Application of Texaco Inc. for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its C. P. Falby "B" Well No. 3, located in Unit M, Section 8, Township 22 South, Range 37 East, Lea County, New Mexico, in such a manner as to produce oil from the Edmont Pool and oil from the Penrose-Skelly Pool through parallel strings of one-inch O.D. tubing and 2 1/16-inch O.D. tubing respectively.

CASE 1992:

Application of Texaco Inc. for permission to commingle the production from three separate leases. Applicant, in the above-styled cause, seeks an order authorizing it to commingle the production from the Dollarhide-Queen Pool from its United Royalty "A" Lease comprising the S/2 SW/4, NE/4 SW/4, and the SE/4 NW/4 of Section 19, Township 24 South, Range 38 East, Lea County, New Mexico, its Royalty Holding Company Lease comprising the SW/4 NW/4 of said Section 19, and from its W. L. Stephen Estate Lease, comprising the N/2 NW/4 of said Section 19, after separately metering the production from each lease.

10		11		12
15	<p>Amerada</p> <p>2 ♦ - 644</p> <p>1 ● - 644</p> <p>State SR B</p> <p>Amerada</p> <p>1 ♦ - 644</p>	<p>Amerada</p> <p>1 ● - 644</p> <p>State SR A</p> <p>Amerada</p> <p>2 ♦ NR</p> <p>1 ♦ NR</p>	<p>14</p> <p>13</p>	
22	Federal E	23	Chartier	24

1 INCH = 2000 FT.

BEFORE EXAMINER NUMBER  
OIL CONSERVATION CO. AMERSON  
OIL FIELD NO. 1989  
CASE NO. 1989

COUNTY Lea

AMERADA PETROLEUM CORPORATION

State SR "A" No. 1  
South Roberts Ranch Field  
SW SW Section 14 - T9S - R32E  
Lea County, New Mexico

13 5/8" Casing set at 340'  
Cemented with 250 sacks  
Cement did not circulate

8 5/8" Casing set at 3533'  
Cemented with 1500 sacks  
Cement top at 684'

Cust to  
7927

BEFORE EXAMINER NUTTER  
OIL CONSERVATION COMMISSION  
EXHIBIT NO. 3  
CASE NO. 1989

5 1/2" Casing set at 11,177'  
Cemented with 900 sacks  
Cement top at 7927'

may vol to be  
injected - 1000 B/D  
from well effort.

will fill  
annular space w/ oil

2 3/8" Internal plastic  
coated tubing. Set at  
8000'.

Hq @ 8000

60,000 gal. solids  
in disposal pit  
of down hole  
particulates  
known to be  
flashed through  
production separator

Devonian  
Perfs. 11,100' to 11,130'

TD 11,177'

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. 1989  
Order No. R-1709

APPLICATION OF AMERADA PETROLEUM  
CORPORATION FOR AN ORDER AUTHORIZING  
A SALT WATER DISPOSAL WELL IN SECTION  
14, TOWNSHIP 9 SOUTH, RANGE 32 EAST,  
SRR-DEVONIAN POOL, LEA COUNTY, NEW  
MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on June 22, 1960, at Santa Fe, New Mexico, before Daniel S. Nutter, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 30th day of June, 1960, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Nutter, 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, Amerada Petroleum Corporation, seeks an order authorizing the disposal of produced salt water into the Devonian formation through its State SR "A" Well No. 1, located in the SW/4 SW/4 of Section 14, Township 9 South, Range 32 East SRR-Devonian Pool, Lea County, New Mexico, with the proposed injection interval from 11,103 feet to 11,130 feet.

(3) That the said State SR "A" Well No. 1 is completed as follows: 13 5/8-inch casing set at 340 feet cemented with 250 sacks, 8 5/8-inch casing set at 3533 feet cemented with 1500 sacks with the top of the cement at 684 feet, 5 1/2-inch casing set at 11,177 feet cemented with 900 sacks with the top of the cement at 7927 feet and 2 3/8-inch internal plastic-coated tubing set at 8000 feet.

(4) That the applicant proposes to inject the produced salt water through said 2 3/8-inch tubing with the annulus between the

-2-

CASE No. 1989  
Order No. R-1709

5 1/2-inch casing and 2 3/8-inch tubing filled with sweet oil as a protective measure.

(5) That the applicant's proposed salt water disposal program will not jeopardize the production of oil, gas, or fresh water in the area and is consonant with sound conservation practices.

IT IS THEREFORE ORDERED:

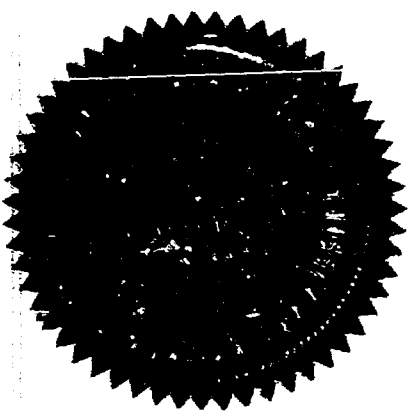
(1) That the applicant be and the same is hereby authorized to dispose of produced salt water into the Devonian formation, through its State SR "A" Well No. 1, located in the SW/4 SW/4 of Section 14, Township 9 South, Range 32 East, SRR-Devonian Pool, Lea County, New Mexico, with the injection interval from 11,103 feet to 11,130 feet.

PROVIDED HOWEVER, That disposal shall be through 2 3/8-inch internal plastic-coated tubing and that the casing-tubing annulus shall be kept full of sweet oil.

(2) That the applicant shall submit monthly reports of its disposal operations in accordance with Rules 704 and 1119 of the Commission Rules and Regulations.

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

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

  
*John Burroughs*  
JOHN BURROUGHS, Chairman

*Murray E. Morgan*  
MURRAY E. MORGAN, Member

*A. L. Porter, Jr.*  
A. L. PORTER, Jr., Member & Secretary

esr/

CASE 1999: Application of CONTINENTAL  
for waterflood project in Skaggs Pool  
of SOUTHEAST MONUMENT UNIT.

File  
Return case file  
to me upon signature  
of order for special  
letter of transmittal  
Vee

also copy  
order to  
Jim P