



# State of New Mexico



JIM BACA  
COMMISSIONER



## Commissioner of Public Lands

P.O. BOX 1148  
SANTA FE, NEW MEXICO 87504-1148

March 20, 1984

Oil Conservation Division  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

Re: State "FU" No. 3

Attn: Mr. Gilbert Quintana

Dear Mr Quintana:

Upon reviewing the subject application for Amoco Production Company to convert State "FU" No. 3 to a salt water injection well, our oil and gas lease records reflect that the record title holder of State Lease No. L-3556 embracing this land is the applicant.

Because an oil and gas lessee is entitled to use so much of the land as is reasonably necessary to explore for and remove the oil and gas, he does not need additional permission of the Land Commissioner to dispose of the salt water being disposed of if produced exclusively from wells located upon the leased lands. In any case, such easements are issued subject to prior rights.

Yours truly,

JIM BACA  
COMMISSIONER OF PUBLIC LANDS

A handwritten signature in cursive script, appearing to read "Floyd O. Prando".

BY: Floyd O. Prando  
Assistant Director  
Oil and Gas Division  
AC/505-827-5744

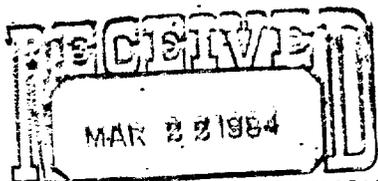
JB/FOP/cm

OIL CONSERVATION DIVISION  
DISTRICT 1

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

DATE March 20, 1984

RE: Proposed MC \_\_\_\_\_  
Proposed DHC \_\_\_\_\_  
Proposed NSL \_\_\_\_\_  
Proposed NSP \_\_\_\_\_  
Proposed SWD \_\_\_\_\_ X  
Proposed WFX \_\_\_\_\_  
Proposed PMX \_\_\_\_\_



OIL CONSERVATION DIVISION  
SANTA FE

Gentlemen:

I have examined the application for the:

Amoco Production Co.	State FU	No. 3-E	25-18-34
Operator	Lease and Well No.	Unit, S - T - R	

and my recommendations are as follows:

Within 2 miles of producing pool in Bone Spring--will take a hearing---J.S.

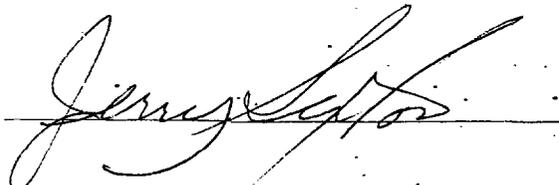
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Yours very truly,

  
/mc

For salt water disposal into the  
Bore Springs formation w/ injection  
into the perforated interval from 9266'  
to 10237' in its State "F.U." Well No 3  
located 1700' FWL - 660' FWL of Sec.  
25, T-18S, R-34E, Lea Cty.

CASE #: 8167

DATE FILED March 19, 1984

\* applied for administratively

APPLICANT

Name: S. J. Okerson ✓

1. Representative: Amoco Production Company (USA)

2. Position: District Superintendent

3. Address: P.O. Box 68

Hobbs, New Mexico 88240

4. Telephone: 393-1781

5. ATTORNEY: William F. Carr in Kathleen McConde's in house at the

6. Address: P.O. Box 2208

Santa Fe, NM 87501

7. Telephone: 988-4421

OPPOSITION

Name: \_\_\_\_\_

1. Representative: \_\_\_\_\_

2. Position: \_\_\_\_\_

3. Address: \_\_\_\_\_

4. Telephone: \_\_\_\_\_

5. ATTORNEY: \_\_\_\_\_

6. Address: \_\_\_\_\_

7. Telephone: \_\_\_\_\_

INTERVENOR (if any) :

or

INTERESTED PARTY (IES):

WITNESS LIST

Case No. 8167 Date of Hearing April 25, 1984

<u>APPLICANT: Amore Prod.</u>		<u>OPPOSITION:</u>	
<u>No.</u>		<u>No.</u>	
	<u>Qualified</u>	<u>Qualified</u>	<u>Sworn</u>
1) Name :	<u>Steven P. Schickler</u>		<input type="checkbox"/>
Position :	<u>Sr Staff Mch. Eng. Houston</u>		<input type="checkbox"/>
:	_____		_____
:	_____		_____
:	_____		_____
2) Name :			<input type="checkbox"/>
Position :			<input type="checkbox"/>
:	_____		_____
:	_____		_____
:	_____		_____
3) Name :			<input type="checkbox"/>
Position :			<input type="checkbox"/>
:	_____		_____
:	_____		_____
:	_____		_____

EXHIBIT LIST

EXAMINER: *Michael E. Stogner*

CASE NUMBER: 8167

HEARING DATE: *April 25, 1984*

APPLICANT			OPPOSITION		
No.	Description	Admitted	No.	Description	Admitted
1	<i>Administrative application (serial 152)</i>	✓			
2	<i>Area Map</i>	✓			
3	<i>Data Sheet</i>	✓			
4	<i>Data on proposed oil well (3 pgs)</i>	✓			
5	<i>Proposed well site plan (2 pgs)</i>	✓			
6	<i>Two mile 1/2 mile radius on map</i>				
7	<i>data on wells in area of review</i>				
8	<i>logs and geological column information</i>				
9	<i>logs and geologic column information</i>				
10	<i>Example of borehole Reservoir recovery</i>				



BEFORE THE  
OIL CONSERVATION DIVISION  
NEW MEXICO DEPARTMENT OF ENERGY AND MINERALS

IN THE MATTER OF THE APPLICATION  
OF AMOCO PRODUCTION COMPANY FOR  
SALT WATER DISPOSAL, LEA COUNTY,  
NEW MEXICO.

CASE 8167

RECEIVED

APR 18 1984

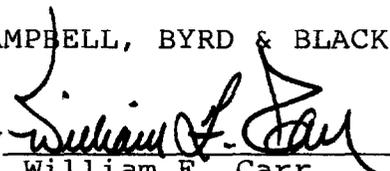
ENTRY OF APPEARANCE

OIL CONSERVATION DIVISION

Comes now, CAMPBELL, BYRD & BLACK, P.A. and hereby enters  
its appearance in the above-referenced cause for Amoco Production  
Company.

Respectfully submitted,

CAMPBELL, BYRD & BLACK, P.A.

By 

William F. Carr

Post Office Box 2208

Santa Fe, New Mexico 87501

(505) 988-4421

ATTORNEYS FOR AMOCO PRODUCTION  
COMPANY

CASE 8167  
Amoco Prod. Co.

UNICHEM INTERNATIONAL

601 NORTH LEECH

P.O. BOX 1499

HOBBS, NEW MEXICO 88240

COMPANY : AMOCO  
DATE : 9-7-82  
FIELD, LEASE & WELL : STATE HR#1.  
SAMPLING POINT: WOLFCAMP  
DATE SAMPLED : 9-2-82

SPECIFIC GRAVITY = 1.084  
TOTAL DISSOLVED SOLIDS = 124195  
PH = 6.2

		MG/L	MG/L
<b>CATIONS</b>			
CALCIUM	(CA)+2	140	2805.
MAGNESIUM	(MG)+2	100	1215.
SODIUM	(NA).CALC.	1904.	43774.
<b>ANIONS</b>			
BICARBONATE	(HCO3)-1	1.6	97.6
CARBONATE	(CO3)-2	0	0
HYDROXIDE	(OH)-1	0	0
SULFATE	(SO4)-2	27.4	1319.
CHLORIDES	(CL)-1	2115	74983.
<b>DISSOLVED GASES</b>			
CARBON DIOXIDE	(CO2)	NOT RUN	
HYDROGEN SULFIDE	(H2S)	NOT RUN	
HYDROGEN	(O2)	NOT RUN	
IRON(TOTAL)	(FE)		45.5
BARIIUM	(BA)+2		.5
MANGANESE	(MN)	NOT RUN	

SCALING INDEX	TEMP
	30C
	86F
CARBONATE INDEX	.889
CALCIUM CARBONATE SCALING	LIKELY
SULFATE INDEX	-1.3
CALCIUM SULFATE SCALING	UNLIKELY