

Entered June 4, 1981
JAR

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

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

CASE NO. 7198
Order No. R-6645

APPLICATION OF AMOCO PRODUCTION
COMPANY FOR TEMPORARY SPECIAL AREA
RULES FOR THE BRAVO DOME CARBON
DIOXIDE AREA, INCLUDING PROVISION
FOR 640-ACRE SPACING UNITS, UNION,
HARDING, AND QUAY COUNTIES, NEW
MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on March 18, 1981, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 4th day of June, 1981, the Commission, a quorum being present, having considered the testimony presented and the exhibits received at said hearing, 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, Amoco Production Company, seeks approval of temporary special area rules for the Bravo Dome Carbon Dioxide Area, including provision for 640-acre spacing units.

(3) That more specifically applicant seeks temporary special rules in the following regards:

"(1) Casing and Cementing

- (a) Sufficient surface casing will be run to protect all fresh water zones with cement circulated behind casing to surface.

(b) Depth from surface to top of cement behind the production string will be furnished the Division on Form C-103 based on temperature survey or other alternative methods approved by the District Director when cement is not circulated to surface.

(c) An affidavit specifying type and volumes of cement used in cementing all casing strings will be furnished the Oil Conservation Division on a form suitable to the Division.

(2) Injection of CO₂

The Division Director may grant administrative approval to inject CO₂ for the purpose of testing wells and surface production facilities only.

(3) Spacing

640 surface contiguous acres, more or less. Wells shall be located not closer than 1980' to any outer boundary of such tract, nor closer than 330' to any quarter-quarter section line. This rule will not prevent the drilling of more than one well on any 640 acre spacing unit."

(4) That the Bravo Dome carbon dioxide area is situated in portions of Harding, Quay, and Union Counties, New Mexico, and is more particularly described in Exhibit A attached hereto.

(5) That the development of the Bravo Dome carbon dioxide area is presently governed by the General Rules and Regulations of the Division, under which both the Commission and Division have concurrent jurisdiction.

(6) That the requirements of applicant's proposed special rules concerning casing and cementing are virtually identical with the requirements of the Division's current general regulations and as such are not necessary.

(7) That, with respect to the proposed affidavit requirements, the Commission's and Division's practice and policy has been and should continue to be that operators are responsible for compliance with sound drilling practices in accordance with the Division's rules and regulations.

-3-

Case No. 7198

Order No. R-6645

(8) That the Division Director should have authority, without the necessity of hearing, to grant administrative approval to re-inject CO₂ gas produced for the purpose of testing wells and surface production facilities back into the formation.

(9) That concerning temporary 640-acre spacing rules and regulations the evidence presented by the applicant does not support -- even on a temporary basis -- an economic, engineering, geological or other valid and compelling justification, within the jurisdiction of the Commission, for such special rules.

(10) That applicant's request herein for special temporary rules and regulations should be denied with the exception of the contents of Finding (8) above.

(11) That denial of the application to the extent of Finding (10) above will not cause waste nor impair correlative rights.

IT IS THEREFORE ORDERED:

(1) That the Application of Amoco Production Company for temporary special area rules for the Bravo Dome carbon dioxide area, including provision for 640-acre spacing is hereby denied, except to the extent that the Director of the Oil Conservation Division is hereby authorized to grant administrative approval for the re-injection of CO₂ gas produced for the purpose of testing wells and surface production facilities back into the formation within the Bravo Dome carbon dioxide area as defined in Exhibit A attached hereto and by reference made a part hereof.

(2) 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.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


ALEX J. ARMIJO, Member


EMERY C. ARNOLD, Member

JOE D. RAMEY, Member & Secretary

S E A L
fd/

BRAVO DOME CARBON DIOXIDE GAS UNIT

UNION COUNTY, NEW MEXICO

TOWNSHIP 18 NORTH, RANGE 34 EAST, NMPM
Sections 1 through 36: All

TOWNSHIP 18 NORTH, RANGE 35 EAST, NMPM
Sections 1 through 36: All

TOWNSHIP 18 NORTH, RANGE 36 EAST, NMPM
Sections 1 through 36: All

TOWNSHIP 18 NORTH, RANGE 37 EAST, NMPM
Sections 6 and 7: All
Sections 18 and 19: All
Sections 30 and 31: All

TOWNSHIP 19 NORTH, RANGE 34 EAST, NMPM
Sections 1 through 36: All

TOWNSHIP 19 NORTH, RANGE 35 EAST, NMPM
Sections 1 through 36: All

TOWNSHIP 19 NORTH, RANGE 36 EAST, NMPM
Section 16: All
Section 18: S/2
Sections 19 and 20: All
Section 21: W/2, W/2 NE/4 and SE/4 NE/4
Section 26: S/2 S/2
Section 28: W/2 and SW/4 SE/4
Sections 29 through 36: All

TOWNSHIP 20 NORTH, RANGE 34 EAST, NMPM
Sections 1 through 36: All

TOWNSHIP 20 NORTH, RANGE 35 EAST, NMPM
Section 3: W/2
Sections 4 through 10: All
Section 11: SW/4
Section 14: NW/4
Sections 15 through 22: All
Section 23: NW/4
Sections 27 through 34: All

TOWNSHIP 21 NORTH, RANGE 34 EAST, NMPM
Sections 1 through 36: All

TOWNSHIP 21 NORTH, RANGE 35 EAST, NMPM
Sections 1 through 24: All
Section 25: N/2 and SW/4
Section 26: All
Section 27: NE/4 and N/2 NW/4
Sections 28 through 33: All

TOWNSHIP 22 NORTH, RANGE 30 EAST, NMPM
Sections 1 through 36: All

TOWNSHIP 22 NORTH, RANGE 31 EAST, NMPM
Sections 1 through 36: All

TOWNSHIP 22 NORTH, RANGE 32 EAST, NMPM
Sections 1 through 36: All

TOWNSHIP 22 NORTH, RANGE 33 EAST, NMPM
Sections 1 through 36: All

TOWNSHIP 22 NORTH, RANGE 34 EAST, NMPM
Sections 1 through 36: All

TOWNSHIP 22 NORTH, RANGE 35 EAST, NMPM
Section 5: S/2
Sections 6 through 8: All
Section 9: W/2 and SE/4
Section 10: S/2 S/2
Sections 15 through 21: All
Section 22: N/2
Section 27: SW/4
Sections 28 through 33: All
Section 34: W/2
Section 36: All

TOWNSHIP 23 NORTH, RANGE 30 EAST, NMPM
Section 36: All

TOWNSHIP 23 NORTH, RANGE 31 EAST, NMPM
Sections 1 through 36: All

TOWNSHIP 23 NORTH, RANGE 32 EAST, NMPM
Sections 1 through 36: All

TOWNSHIP 23 NORTH, RANGE 33 EAST, NMPM
Sections 1 through 36: All

TOWNSHIP 23 NORTH, RANGE 34 EAST, NMPM
Sections 1 through 36: All

TOWNSHIP 23 NORTH, RANGE 35 EAST, NMPM
Section 31: All

TOWNSHIP 24 NORTH, RANGE 31 EAST, NMPM
Sections 1 through 36: All

TOWNSHIP 24 NORTH, RANGE 32 EAST, NMPM
Sections 1 through 36: All

TOWNSHIP 24 NORTH, RANGE 33 EAST, NMPM
Sections 1 through 36: All

TOWNSHIP 24 NORTH, RANGE 34 EAST, NMPM
Sections 1 through 36: All

HARDING COUNTY, NEW MEXICO

TOWNSHIP 17 NORTH, RANGE 30 EAST, NMPM
Section 1: N/2, SE/4, and E/2 SW/4
Section 11: SE/4 and E/2 SW/4
Section 12: S/2, NE/4, and E/2 NW/4
Section 13: All
Section 14: E/2, E/2 W/2, and SW/4 NW/4
Section 15: SE/4 NE/4
Section 22: SE/4 SE/4
Sections 23 through 25: All
Section 26: NE/4 and E/2 NW/4
Section 27: NE/4 NE/4
Section 35: SE/4
Section 36: All

TOWNSHIP 17 NORTH, RANGE 31 EAST, NMPM
Sections 1 through 36: All

TOWNSHIP 17 NORTH, RANGE 32 EAST, NMPM
Sections 1 through 36: All

TOWNSHIP 17 NORTH, RANGE 33 EAST, NMPM
Sections 1 through 36: All

TOWNSHIP 18 NORTH, RANGE 30 EAST, NMPM
Sections 1 and 2: All
Section 3: E/2 E/2 and SW/4 SE/4
Section 10: E/2 NE/4
Section 11: N/2
Sections 12 through 14: All
Section 23: E/2 and E/2 W/2
Section 24: All

TOWNSHIP 18 NORTH, RANGE 30 EAST, NMPM (Continued)

Section 25: E/2, NW/4, E/2 SW/4, and NW/4 SW/4

Section 26: N/2 S/2, NE/4, and E/2 NW/4

Section 36: All

TOWNSHIP 18 NORTH, RANGE 31 EAST, NMPM

Sections 1 through 36: All

TOWNSHIP 18 NORTH, RANGE 32 EAST, NMPM

Sections 1 through 36: All

TOWNSHIP 18 NORTH, RANGE 33 EAST, NMPM

Sections 1 through 36: All

TOWNSHIP 19 NORTH, RANGE 29 EAST, NMPM

Section 1: NE/4 and E/2 NW/4

TOWNSHIP 19 NORTH, RANGE 30 EAST, NMPM

Sections 1 through 4: All

Section 5: E/2

Section 6: E/2 SE/4, NW/4 SE/4, and
NE/4 SW/4

Section 7: NE/4 NE/4, NE/4 SE/4,
SE/4 SW/4, and SW/4 SE/4

Section 8: N/2, SE/4, and SE/4 SW/4

Sections 9 through 16: All

Section 17: N/2 and SE/4

Section 18: NE/4 NE/4

Section 20: S/2 SE/4 and W/2 NE/4

Sections 21 through 28: All

Section 29: NE/4

Section 32: NE/4 NE/4

Section 33: N/2 N/2, SW/4 NE/4, NW/4
SE/4, NE/4 SW/4, and S/2 NW/4

Section 34: N/2 and E/2 SE/4

Sections 35 and 36: All

TOWNSHIP 19 NORTH, RANGE 31 EAST, NMPM

Sections 1 through 36: All

TOWNSHIP 19 NORTH, RANGE 32 EAST, NMPM

Sections 1 through 36: All

TOWNSHIP 19 NORTH, RANGE 33 EAST, NMPM

Sections 1 through 36: All

TOWNSHIP 20 NORTH, RANGE 29 EAST, NMPM

Sections 1 and 2: All

Section 3: S/2, S/2 N/2, NE/4 NW/4,
and N/2 NE/4

TOWNSHIP 20 NORTH, RANGE 29 EAST, NMPM (Continued)

Section 4: E/2 SE/4, SE/4 NE/4, and NW/4 NW/4
Section 5: SW/4 and SW/4 SE/4
Section 6: E/2, E/2 NW/4, and NE/4 SW/4
Section 7: N/2 S/2 and SW/4 NW/4
Section 8: W/2 SW/4 and NW/4 NW/4
Section 9: E/2 E/2, SW/4 NE/4, and NE/4 NW/4
Sections 10 through 15: All
Section 16: W/2 SW/4, SE/4 SW/4, E/2, and NE/4 NW/4
Section 17: W/2 NW/4, SE/4 NW/4, SW/4 NE/4, and S/2
Section 18: E/2, SW/4, W/2 NW/4, and SE/4 NW/4
Section 19: E/2, E/2 W/2, and W/2 NW/4
Section 20: All
Section 21: NE/4, NE/4 SE/4, W/2 NW/4, and NW/4 SW/4
Sections 22 through 26: All
Section 27: N/2, SE/4, and NE/4 SW/4
Section 28: NE/4 NE/4
Section 29: N/2
Section 30: N/2 NE/4 and SE/4 NE/4
Section 34: NE/4 NE/4
Section 35: N/2 and SE/4
Section 36: All

TOWNSHIP 20 NORTH, RANGE 30 EAST, NMPM

Sections 1 through 36: All

TOWNSHIP 20 NORTH, RANGE 31 EAST, NMPM

Sections 1 through 36: All

TOWNSHIP 20 NORTH, RANGE 32 EAST, NMPM

Sections 1 through 36: All

TOWNSHIP 20 NORTH, RANGE 33 EAST, NMPM

Sections 1 through 36: All

TOWNSHIP 21 NORTH, RANGE 29 EAST, NMPM

Sections 1 through 27: All
Section 28: E/2, NW/4, and E/2 SW/4
Section 29: All
Section 30: N/2, N/2 SE/4, SE/4 SE/4,
and SW/4 SW/4
Section 31: All
Section 32: S/2, S/2 N/2, N/2 NW/4, and
NW/4 NE/4
Section 33: N/2 NE/4, NE/4 NW/4, N/2
SW/4, and SW/4 SW/4
Sections 34 through 36: All

TOWNSHIP 21 NORTH, RANGE 30 EAST, NMPM

Sections 1 through 36: All

TOWNSHIP 21 NORTH, RANGE 31 EAST, NMPM
Sections 1 through 36: All

TOWNSHIP 21 NORTH, RANGE 32 EAST, NMPM
Sections 1 through 36: All

TOWNSHIP 21 NORTH, RANGE 33 EAST, NMPM
Sections 1 through 36: All

QUAY COUNTY, NEW MEXICO

TOWNSHIP 16 NORTH, RANGE 34 EAST, NMPM
Section 3: Lots 3 through 6, 11 and 12
Section 4: Lots 1, 2, 5 through 12,
N/2 SE/4 and SW/4

TOWNSHIP 16 NORTH, RANGE 35 EAST, NMPM
Section 1: Lots 1 through 8, NW/4 SW/4,
and S/2 SW/4
Sections 2 through 6: All
Section 7: N/2 and SE/4
Sections 8 through 10: All
Section 11: NW/4, N/2 SW/4, N/2 S/2 SW/4,
and N/2 S/2 S/2 SW/4

TOWNSHIP 16 NORTH, RANGE 36 EAST, NMPM
Section 5: Lots 4 and 5
Section 6: Lots 1 through 8 and 10

TOWNSHIP 17 NORTH, RANGE 34 EAST, NMPM
Sections 1 through 36: All

TOWNSHIP 17 NORTH, RANGE 35 EAST, NMPM
Sections 1 through 36: All

TOWNSHIP 17 NORTH, RANGE 36 EAST, NMPM
Sections 1 through 36: All

TOWNSHIP 17 NORTH, RANGE 37 EAST, NMPM
Sections 6 and 7: All
Sections 18 and 19: All
Sections 30 and 31: All