



NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

March 9, 1998

Amoco Exploration and Production Company  
Central Business Unit - Bravo Dome JOMT  
P. O. Box 3092, MC 8.104  
Houston, Texas 77210  
Attention: Sam Culpepper, CPL

*Administrative Order NSL-3966(SD)*

Dear Mr. Culpepper:

Reference is made to your application dated February 20, 1998 for thirteen unorthodox "infill" Bravo Dome carbon dioxide gas (CO<sub>2</sub>) well locations all within existing standard 640-acre, more or less, gas spacing and proration units for said Bravo Dome Carbon Dioxide (640-acre) Gas Pool in its Bravo Dome Carbon Dioxide Gas Unit (BDCDGU), Union County, New Mexico:

(a) all of Section 25, Township 19 North, Range 34 East, NMPM, comprising 640 acres, which is currently dedicated to the BDCDGU "1934" Well No. 251 (API No. 30-059-20093), located at a standard CO<sub>2</sub> gas well location 1680 feet from the South line and 1980 feet from the East line (Unit J) of said Section 25, is to be simultaneously dedicated to said Well No. 251 and to the proposed BDCDGU "1934" Well No. 252 (API No. 30-059-20366) to be drilled at an unorthodox CO<sub>2</sub> gas well location 2397 feet from the South line and 1407 feet from the West line (Unit K) of said Section 25;

(b) all of Section 26, Township 19 North, Range 34 East, NMPM, comprising 640 acres, which is currently dedicated to the BDCDGU "1934" Well No. 262 (API No. 30-059-20196), located at a standard CO<sub>2</sub> gas well location 1650 feet from the North and East lines (Unit G) of said Section 26, is to be simultaneously dedicated to said Well No. 262 and to the proposed BDCDGU "1934" Well No. 263 (API No. 30-059-20367) to be drilled at an unorthodox CO<sub>2</sub> gas well location 2441 feet from the South line and 990 feet from the West line (Unit L) of said Section 26;

(c) all of Section 27, Township 19 North, Range 34 East, NMPM, comprising 640 acres, which is currently dedicated to the BDCDGU "1934" Well No. 271 (API No. 30-059-20238), located at a standard CO<sub>2</sub> gas well location 1980 feet from the North line and 1650 feet from the East line (Unit G) of said Section 27, is to be simultaneously dedicated to said Well No. 271 and to the proposed BDCDGU "1934" Well No. 272 (API No. 30-059-20368) to be drilled at an unorthodox CO<sub>2</sub> gas well location 2479 feet from the South line and 1011 feet from the West line (Unit L) of said Section 27;

(d) all of Section 34, Township 19 North, Range 34 East, NMPM, comprising 640 acres, which is currently dedicated to the BDCDGU "1934" Well No. 341 (API No. 30-059-20226), located at a standard CO<sub>2</sub> gas well location 1650 feet from the North and East lines (Unit G) of said Section 34, is to be simultaneously dedicated to said Well No. 341 and to the proposed BDCDGU "1934" Well No. 342 (API No. 30-059-20369) to be drilled at an unorthodox CO<sub>2</sub> gas well location 1775 feet from the North line and 828 feet from the West line (Unit E) of said Section 34;

(e) all of Section 35, Township 19 North, Range 34 East, NMPM, comprising 640 acres, which is currently dedicated to the BDCDGU "1934" Well No. 351 (API No. 30-059-20229), located at a standard CO<sub>2</sub> gas well location 1650 feet from the North and East lines (Unit G) of said Section 35, is to be simultaneously dedicated to said Well No. 351 and to the proposed BDCDGU "1934" Well No. 352 (API No. 30-059-20370) to be drilled at an unorthodox CO<sub>2</sub> gas well location 1650 feet from the North line and 994 feet from the West line (Unit E) of said Section 35;

(f) all of Section 36, Township 19 North, Range 34 East, NMPM, comprising 640 acres, which is currently dedicated to the BDCDGU "1934" Well No. 361 (API No. 30-059-20203), located at a standard CO<sub>2</sub> gas well location 1650 feet from the North and East lines (Unit G) of said Section 36, is to be simultaneously dedicated to said Well No. 361 and to the proposed BDCDGU "1934" Well No. 362 (API No. 30-059-20371) to be drilled at an unorthodox CO<sub>2</sub> gas well location 1641 feet from the North line and 988 feet from the West line (Unit E) of said Section 36;

(g) all of Section 19, Township 19 North, Range 35 East, NMPM, comprising 623.12 acres, which is currently dedicated to the BDCDGU "1935" Well No. 191 (API No. 30-059-20140), located at a standard CO<sub>2</sub> gas well location 1980 feet from the North and East lines (Unit G) of said Section 19, is to be simultaneously dedicated to said Well No. 191 and to the proposed BDCDGU "1935" Well No. 192 (API No. 30-059-20372) to be drilled at an unorthodox CO<sub>2</sub> gas well location 2474 feet from the South line and 678 feet from the West line (Unit L) of said Section 19;

(h) all of Section 20, Township 19 North, Range 35 East, NMPM, comprising 640 acres, which is currently dedicated to the BDCDGU "1935" Well No. 201 (API No. 30-059-20144), located at a standard CO<sub>2</sub> gas well location 1980 feet from the North and East lines (Unit G) of said Section 20, is to be simultaneously dedicated to said Well No. 201 and to the proposed BDCDGU "1935" Well No. 202 (API No. 30-059-20373) to be drilled at an unorthodox CO<sub>2</sub> gas well location 1747 feet from the North

line and 518 feet from the West line (Unit E) of said Section 20;

(i) all of Section 21, Township 19 North, Range 35 East, NMPM, comprising 640 acres, which is currently dedicated to the BDCDGU "1935" Well No. 211 (API No. 30-059-20115), located at a standard CO<sub>2</sub> gas well location 1980 feet from the South and West lines (Unit K) of said Section 21, is to be simultaneously dedicated to said Well No. 211 and to the proposed BDCDGU "1935" Well No. 212 (API No. 30-059-20374) to be drilled at an unorthodox CO<sub>2</sub> gas well location 2424 feet from the North line and 235 feet from the East line (Unit H) of said Section 21;

(j) all of Section 27, Township 19 North, Range 35 East, NMPM, comprising 640 acres, which is currently dedicated to the BDCDGU "1935" Well No. 271 (API No. 30-059-20197), located at a standard CO<sub>2</sub> gas well location 1650 feet from the North and East lines (Unit G) of said Section 27, is to be simultaneously dedicated to said Well No. 271 and to the proposed BDCDGU "1935" Well No. 272 (API No. 30-059-20375) to be drilled at an unorthodox CO<sub>2</sub> gas well location 1679 feet from the North line and 957 feet from the West line (Unit E) of said Section 27;

(k) all of Section 28, Township 19 North, Range 35 East, NMPM, comprising 640 acres, which is currently dedicated to the BDCDGU "1935" Well No. 281 (API No. 30-059-20198), located at a standard CO<sub>2</sub> gas well location 1650 feet from the North and East lines (Unit G) of said Section 28, is to be simultaneously dedicated to said Well No. 281 and to the proposed BDCDGU "1935" Well No. 282 (API No. 30-059-20376) to be drilled at an unorthodox CO<sub>2</sub> gas well location 1674 feet from the North line and 994 feet from the West line (Unit E) of said Section 28;

(l) all of Section 29, Township 19 North, Range 35 East, NMPM, comprising 640 acres, which is currently dedicated to the BDCDGU "1935" Well No. 291 (API No. 30-059-20199), located at a standard CO<sub>2</sub> gas well location 1650 feet from the North and East lines (Unit G) of said Section 29, is to be simultaneously dedicated to said Well No. 291 and to the proposed BDCDGU "1935" Well No. 292 (API No. 30-059-20377) to be drilled at an unorthodox CO<sub>2</sub> gas well location 2017 feet from the North line and 848 feet from the West line (Unit E) of said Section 29; and,

(m) all of Section 30, Township 19 North, Range 35 East, NMPM, comprising 623.88 acres, which is currently dedicated to the BDCDGU "1935" Well No. 301 (API No. 30-059-20095), located at a standard CO<sub>2</sub> gas well location 1980 feet from the North and East lines (Unit G) of said Section 30, is to be simultaneously dedicated to said Well No. 301 and to the proposed BDCDGU "1935" Well No. 302 (API No. 30-059-20378) to

Administrative Order NSL-3966(SD)  
Amoco Exploration and Production Company  
March 9, 1998  
Page 4

---

be drilled at an unorthodox CO<sub>2</sub> gas well location 2408 feet from the North line and 722 feet from the West line (Unit E) of said Section 30.

From the information provided by the applicant, the royalty interests in all of the affected off-setting acreage to the proposed unorthodox locations have ratified the Bravo Dome Carbon Dioxide Gas Unit (BDCDGU) Agreement.

By authority granted me under the provisions of Rule 5 of the "*Special Rules and Regulations for the Bravo dome 640-Acre Area*," as promulgated by Division Order No. R-7556, dated June 19, 1984, Decretory Paragraph No. (4) of said Order No. R-10576, and Division General Rule 104.F(2) the above-described BDCDGU "1934" Well Nos. 252, 263, 272, 342, 352, and 362 and BDCDGU "1935" Well Nos. 192, 202, 212, 272, 282, 292, and 302, all to be drilled at unorthodox "infill" CO<sub>2</sub> gas well locations are hereby approved.

Sincerely,

  
Lori Wrotenberg  
Director

LW/MES/kv

cc: Roy Johnson, Geologist - New Mexico Oil Conservation Division, Santa Fe  
New Mexico State Land Office - Santa Fe  
Danny J. Holcomb, Operations Foreman (Amoco) - Amistad, New Mexico