

CAMPBELL & BLACK, P.A.
LAWYERS

JACK M. CAMPBELL
BRUCE D. BLACK
MICHAEL B. CAMPBELL
WILLIAM F. CARR
BRADFORD C. BERGE
J. SCOTT HALL
PETER N. IVES
JOHN H. BEMIS
MARTE D. LIGHTSTONE

GUADALUPE PLACE
SUITE 1 - 110 NORTH GUADALUPE
POST OFFICE BOX 2208
SANTA FE, NEW MEXICO 87504-2208
TELEPHONE: (505) 988-4421
TELECOPIER: (505) 983-6043

June 12, 1987

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Case 9/63
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JUN 12 1987

OIL CONSERVATION DIVISION

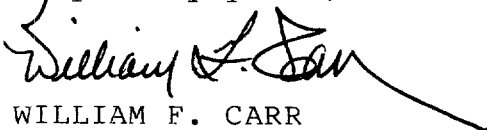
William J. LeMay, Director
Oil Conservation Division
New Mexico Department of
Energy and Minerals
State Land Office Building
Santa Fe, New Mexico 87503

Re: Application of Arco Oil & Gas Company, a Division of
Atlantic Richfield Company, for Pool Creation and for
the Adoption of Special Pool Rules, Including 80-acre
Spacing and a Discovery Allowable, Lea County,
New Mexico.

Dear Mr. LeMay:

Enclosed is triplicate is the Application of Arco Oil & Gas
Company in the above-referenced case. Arco respectfully requests
that this matter be placed on the docket for the Examiner
hearings scheduled on July 1, 1987.

Very truly yours,


WILLIAM F. CARR

WFC/ab
Enclosures

cc w/enclosure: Ron Sponberg
Arco Oil & Gas Company

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

RECEIVED

JUN 12 1987

OIL CONSERVATION DIVISION

IN THE MATTER OF THE APPLICATION OF
ARCO OIL & GAS COMPANY, A DIVISION
OF ATLANTIC RICHFIELD COMPANY, FOR
POOL CREATION AND FOR THE ADOPTION
OF SPECIAL POOL RULES, INCLUDING
80-ACRE SPACING AND A DISCOVERY
ALLOWABLE, LEA COUNTY, NEW MEXICO.

CASE NO. 9163

APPLICATION

COMES NOW ARCO OIL & GAS COMPANY, a Division of Atlantic Richfield Company, by and through its undersigned attorneys, and hereby applies to the New Mexico Oil Conservation Commission for the creation of a new Wolfcamp Oil Pool in Lea County, New Mexico, for the promulgation of Special Pool Rules for said pool on a permanent basis, or in the alternative, on a temporary basis, and for a discovery oil allowable, and in support thereof states:

1. Applicant is an operator and major working interest owner in certain lands in Lea County, New Mexico, for which Applicant proposes the creation of a new Wolfcamp Oil Pool.

2. Applicant requests the establishment of the West Anderson Ranch Oil Pool as the result of the discovery of hydrocarbons in its West Anderson Ranch State No. 1 Well located

1980 feet from the North line and 660 feet from the West line of Section 9, Township 16 South, Range 32 East, N.M.P.M., the vertical limits of which would include the Wolfcamp formation, and whose horizontal limits would be:

Township 16 South, Range 32 East, NMPM
Section 9: W/2 NW/4

3. That presently available information indicates that one well will economically and efficiently drain and develop an oil spacing and proration unit of 80 acres in the proposed West Anderson Ranch Wolfcamp Oil Pool and in certain acreage immediately offsetting said proposed pool.

4. That in order to prevent waste which would result from the drilling of unnecessary wells and to provide for the orderly development of said proposed pool, special pool rules for the proposed West Anderson Ranch Oil Pool should be promulgated which provide for 80-acre oil spacing and proration units.

5. Applicant further seeks an oil discovery allowable for its West Anderson Ranch State No. 1 Well as authorized by Oil Conservation Division Rule 509.

6. That granting this application will be in the best interest of conservation, the prevention of waste and the protection of correlative rights.

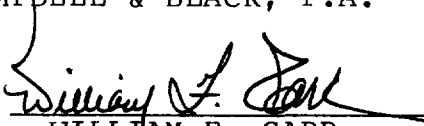
WHEREFORE, Applicant prays that this application be set for hearing before a duly appointed examiner of the Oil Conservation Commission on July 1, 1987, and that after notice and hearing as required by law, the Division enter its order creating the West Anderson Ranch Oil Pool, promulgating permanent Special Pool

Rules for said new pool, or, in the alternative, temporary rules, and assigning a discovery allowable to Arco's West Anderson Ranch State No. 1 Well, and granting such other and further relief as the Division deems proper in the premises.

Respectfully submitted,

CAMPBELL & BLACK, P.A.

By



WILLIAM F. CARR
Post Office Box 2208
Santa Fe, New Mexico 87504
(505) 988-4421

ATTORNEYS FOR ARCO OIL & GAS COMPANY

Dockets Nos. 4-89 and 5-89 are tentatively set for February 1 and February 15, 1989. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - JANUARY 18, 1989

8:15 A.M. - OIL CONSERVATION DIVISION CONFERENCE ROOM,
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO

The following cases will be heard before Victor T. Lyon, Examiner, or David R. Catanach, Alternate Examiner:

CASE 9270: (Reopened)

In the matter of Case No. 9270 being reopened pursuant to the provisions of Division Order No. R-8586, which promulgated temporary special rules and regulations for the North Bluit Siluro-Devonian Pool in Roosevelt County, New Mexico, including a provision for 80-acre spacing units. Operators in the subject pool may appear and show cause why said temporary rules for the North Bluit Siluro-Devonian Pool should not be rescinded.

CASE 9566: (Continued from January 4, 1989, Examiner Hearing.)

Application of Northwest Pipeline Corporation for an unorthodox coal gas well location and a non-standard gas proration unit, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for an unorthodox coal gas well location 535 feet from the South line and 685 feet from the East line (Unit P) of irregular Section 6, Township 31 North, Range 5 West, Basin-Fruitland Coal Gas Pool, all of said Section 6 to be dedicated to said well forming a 264.56-acre non-standard gas spacing and proration unit for said pool. Said unit is located approximately 5 miles south of Mile Corner No. 240 which is located on the Colorado/New Mexico Stateline.

CASE 9576: Application of Chevron USA, Inc. for an unorthodox oil well location and simultaneous dedication, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for its C. E. LaMunyon Well No. 50 to be drilled at an unorthodox oil well location 1310 feet from the North line and 210 feet from the East line (Unit A) of Section 28, Township 23 South, Range 37 East, Teague Blinbry Pool, the NE/4 NE/4 of Section 28, to be simultaneously dedicated to said well and to the applicant's C.F. LaMunyon Well No. 21 located at a standard oil well location 510 feet from the North line and 660 feet from the East line of said Section 28. Said unit is located approximately 15 miles east of the Teague Siding.

CASE 9577: Application of Meridian Oil Inc. for an unorthodox oil well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of an unorthodox oil well location for its Robinson-Jackson Unit Tr. 2A Well No. 33 located 385 feet from the North line and 1325 feet from the East line (Unit B) of Section 27, Township 17 South, Range 29 East, Grayburg Jackson (Q-G-SA-SR) Pool, Robinson-Jackson Waterflood Project, the NW/4 NE/4 of said Section 27 to be dedicated to said well and to the existing Meridian Oil Inc. Robinson Jackson Unit Tr. 2A Well No. 2 located at a standard oil well location 660 feet from the North line and 1980 feet from the East line of said Section 27. Said unit is located approximately 4.5 miles west by south of Loco Hills, New Mexico.

CASE 9578: Application of Meridian Oil Inc. for an unorthodox gas well location, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for an unorthodox gas well location 1685 feet from the South line and 165 feet from the West line (Unit L) of said Section 22, Township 28 North, Range 8 West, Basin Fruitland Coal Pool, the S/2 of said Section 22 to be dedicated to said well forming a standard 320-acre proration unit for said pool. Said location is approximately 16 miles east by south of Bloomfield, New Mexico.

CASE 9535: (Continued from December 21, 1988, Examiner Hearing.)

Application of Meridian Oil, Inc. for compulsory pooling, unorthodox gas well location, and non-standard gas proration unit, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Basin-Fruitland Coal Gas Pool underlying Lots 3 and 4 and E/2 SW/4 of Section 7 and Lots, 1, 2, 3, and 4, and the E/2 W/2 of Section 18, Township 30 North, Range 8 West, forming a non-standard 334.94-acre gas spacing and proration unit, to be dedicated to its Howell "C" Com Well No. 301 to be drilled at an unorthodox gas well location in the SE/4 NW/4 (Unit F) of said Section 18. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well and a charge for risk involved in drilling said well. Said unit is located approximately 1.5 miles northwest by north of Archuleta, New Mexico.

CASE 9545: (Continued from December 21, 1988, Examiner Hearing.)

Application of Meridian Oil, Inc. for compulsory pooling and a nonstandard gas proration unit, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Basin-Fruitland Coal Gas Pool underlying Lots 3, 4, 5, 6, and 7, the SE/4 NW/4, and the E/2 SW/4 of Section 6 and Lots 1 and 2 and the E/2 NW/4 of Section 7, Township 30 North, Range 8 West, forming a non-standard 331.00-acre gas spacing and proration unit, to be dedicated to its Howell

G Com Well No. 300 to be drilled at a previously authorized unorthodox gas well location (pursuant to Decretory Paragraph No. (4) of Division Order No. R-8768) 1430 feet from the North line and 1090 feet from the West line (Unit F) of said Section 6. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well and a charge for risk involved in drilling said well. Said unit is located approximately 3.25 miles north by west of Archuleta, New Mexico.

CASE 9550: (Continued from December 21, 1988, Examiner Hearing.)

Application of Meridian Oil, Inc. for a non-standard gas proration unit and an unorthodox gas well location, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for an unorthodox gas well location 2200 feet from the North line and 1360 feet from the East line (Unit G), Section 36, Township 30 North, Range 6 West, to test the Fruitland (sand) Formation, Lots 1 and 2 and the W/2 NE/4 of said Section 36 to be dedicated to said well forming a non-standard 115.04-acre gas spacing and proration unit for said zone. Said location is approximately 5.5 miles northwest by north of Gobernador, New Mexico.

CASE 9571: (Continued from January 4, 1989, Examiner Hearing.)

Application of Meridian Oil Inc. for an unorthodox coal gas well location and simultaneous dedication, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for an unorthodox coal gas well location 2560 feet from the North line and 2610 feet from the West line (Unit F) of Section 15, Township 30 North, Range 7 West, Basin-Fruitland Coal (Gas) Pool, the W/2 of said Section 15 to be dedicated to said well forming a standard 320-acre gas spacing and proration unit for said pool, to be simultaneously dedicated to said well and to the applicant's San Juan 30-6 Unit Wells Nos. 406 and 402. Said Well No. 402 is located at a standard coal gas well location 1455 feet from the South and West lines (Unit K) of said Section 15 and Well No. 406 is located at a previously authorized unorthodox coal gas well location (pursuant to Decretory Paragraph No. 4 of Division Order No. R-8768) 2105 feet from the North line and 2390 feet from the West line (Unit F) of said Section 15. Said location unit is approximately 2.75 miles east by north of the Navajo Reservoir Dam.

CASE 9579: Application of Sun Exploration and Production Company for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests from the surface to base of the Morrow, or 13,000 feet, whichever is deeper, in any and all formations developed on 320-acre spacing units underlying the N/2; and the N/2 NW/4 for any and all formations developed on 80-acre spacing units; and the NE/4 NW/4 for any and all formations developed on 40-acre spacing units in Section 16, Township 22 South, Range 34 East; said units to be dedicated to a well to be drilled at a standard location 660 feet from the North line and 1980 feet from the West line (Unit C) in said Section 16. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well and a charge for risk involved in drilling said well. Said unit is located approximately 18 miles west by south of Eunice, New Mexico.

CASE 9580: Application of Yates Petroleum Corporation for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for an unorthodox gas well location 1980 feet from the South line and 990 feet from the West line (Unit L) of said Section 12, Township 20 South, Range 29 East, Undesignated East Burton Flats Strawn Gas Pool, to test all formations from the surface to the base of the Morrow formation, the S/2 of said Section 12 to be dedicated to the well. Said location is approximately 15 miles northeast of Carlsbad, New Mexico.

CASE 9413: (Continued from December 21, 1988, Examiner Hearing.)

Application of Yates Petroleum Company for special pool rules, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the promulgation of temporary special pool rules for the Avalon-Delaware Pool located in portions of Township 20 South, Ranges 27 and 28 East, including a provision to increase the gas-oil ratio limitation to 5,000 cubic feet of gas per barrel of oil. Said area is located approximately 9 miles north of Carlsbad, New Mexico.

CASE 9574: (Continued from January 4, 1989, Examiner Hearing.)

Application of Marshall Pipe & Supply for dual completion and salt water disposal, Roosevelt County, New Mexico. Applicant, in the above-styled cause, seeks authority to dually complete its Cook Well No. 1 located at a previously approved unorthodox gas well location (Order No. R-8618) 330 feet from the North line and 1980 feet from the East line (Unit M) of Section 34, Township 2 South, Range 29 East, by disposing of produced salt water down through tubing into the Undesignated Tule-Montoya Gas Pool in the perforated interval from 7104 feet to 7116 feet and continue producing gas from the Undesignated Tule-Pennsylvanian Gas Pool up the casing/tubing annulus. Said well is located approximately 3.5 miles east by north from the point common to Roosevelt, Chaves, and De Baca Counties.

CASE 9581: Application of Harvey E. Yates Company for an unorthodox oil well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for an unorthodox oil well location 1980 feet from the North line and 1370 feet from the West line (Unit F) of Section 17, Township 16 South, Range 37 East, Northeast Lovington Pennsylvanian Pool, the S/2 NW/4 of said Section 17 to be dedicated to the well forming a standard 80-acre oil spacing and proration unit for said pool. Said location is approximately 4.5 miles east southeast of Lovington, New Mexico.

CASE 9582: Application of Strata Production Company for pool creation and special pool rules, or in the alternative for pool extension and special pool rules, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new pool for the production of oil from the Bone Spring formation comprising Lots 2 and 7 of Section 4, Township 21 South, Range 32 East, and for the promulgation of special rules and regulations therefor including provisions for 80-acre spacing and proration units and designated well location requirements. IN THE ALTERNATIVE, the applicant seeks to extend the Hat Mesa-Bone Spring Pool to include Lots 1, 2, and 7 of said Section 4 and for the promulgation of special rules and regulations therefor including provisions for 80-acre spacing and proration units and designated well location requirements. Said area is located approximately 3.75 miles southeast of the junction of U.S. Highway 62/180 and Old New Mexico Highway No. 176.

CASE 9583: Application of Exxon Corporation for compulsory pooling and an unorthodox location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests from the base of the San Andres formation to the top of the Mississippian formation, excepting however the Undesignated Empire Abo Pool, underlying the following described acreage in Section 17, Township 18 South, Range 27 East, and in the following described manner:

the NW/4 SW/4 (Unit L) to form a standard 40-acre oil spacing and proration unit for any and all formations and/or pools within the above-described vertical limits developed on 40-acre spacing;

the W/2 SW/4 to form a standard 80-acre oil spacing and proration unit for any and all formations and/or pools within said vertical extent developed on 80-acre spacing;

the SW/4 to form a standard 160-acre gas spacing and proration unit for any and all formations and/or pools within said vertical extent developed on 160-acre spacing; and,

the W/2 to form a standard 320-acre gas spacing and proration unit for any and all formations and/or pools within said vertical extent developed on 320-acre spacing (which presently includes but not necessarily limited to the Undesignated Scoggin Draw Atoka Gas Pool and the Undesignated Kaiser Ranch Strawn Gas Pool.)

All of the above-described units to be dedicated to a single well to be drilled at an unorthodox location 2095 feet from the South line and 992 feet from the West line of said Section 17.

Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well and a charge for risk involved in drilling said well. Said unit is located approximately 6 miles south of Riverside, New Mexico.

CASE 9584: Application of Bran Oil Corporation for compulsory pooling, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in any and all formations developed on 160-acre spacing unit underlying the SE/4 of Section 32, Township 6 South, Range 26 East, (which includes but is not limited to the undesignated West Pecos Slope Abo Pool) for said unit to be dedicated to a well to be drilled at a standard location in said Section 32. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well and a charge for risk involved in drilling said well. Said unit is located approximately 15 miles west northwest of Elkins, New Mexico.

CASE 9585: Application of Stevens Operating Corporation for compulsory pooling, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in any and all formations developed on 160-acre spacing units underlying the NE/4 of Section 32, Township 6 South, Range 26 East, (including but not limited to the undesignated West Pecos Slope Abo Pool) for said unit to be dedicated to a well to be drilled at a standard location in said Section 32. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well and a charge for risk involved in drilling said well. Said unit is located approximately 15 miles west northwest of Elkins, New Mexico.

CASE 9568: (Continued from January 4, 1989, Examiner Hearing.)

Application of Nearburg Producing Company for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for an unorthodox gas well location 1980 feet from the North line and 990 feet from the West line (Unit E) of Section 26, Township 19 South, Range 25 East, Undesignated Boyd-Morrow Gas Pool or Undesignated Cemetery-Morrow Gas Pool, the N/2 of said Section 26 to be dedicated to said well forming a standard 320-acre proration unit for either pool. Said location is approximately 5 miles west of Lakewood, New Mexico.

CASE 9163: (Reopened)

In the matter of Case No. 9163 being reopened pursuant to the provisions of Division Order No. R-8470, which promulgated temporary special rules and regulations for the West Anderson Ranch-Wolfcamp Pool in Lea County, New Mexico, including a provision for 80-acre spacing units. Operators in the subject pool may appear and show cause why the West Anderson Ranch-Wolfcamp Pool rules should not be rescinded at this time.

CASE 9586: Application of Enron Oil and Gas Company for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Cinta Roja-Morrow Gas Pool underlying all of Section 11, Township 24 South, Range 35 East, forming a standard 640-acre gas spacing and proration unit for said pool, to be dedicated to a well to be drilled at a standard gas well location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well and a charge for risk involved in drilling said well. Said unit is located approximately 12 miles northwest of Jal, New Mexico.

CASE 9587: In the matter of the hearing called by the Oil Conservation Division on its own motion for an order creating and extending certain pools in Lea County, New Mexico.

(a) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Cherry Canyon production and designated as the South Antelope Ridge-Cherry Canyon Pool. The discovery well is the J. C. Williamson Curry State Well No. 2 located in Unit C of Section 22, Township 23 South, Range 34 East, NMPM. Said pool would comprise:

TOWNSHIP 23 SOUTH, RANGE 34 EAST, NMPM
Section 22: NW/4

(b) CREATE a new pool in Lea County, New Mexico classified as an oil pool for Abo production and designated as the Stateline-Abo Pool. The discovery well is the Lanexco Inc. Crawford State Well No. 3 located in Unit D of Section 4, Township 24 South, Range 38 East, NMPM. Said pool would comprise:

TOWNSHIP 24 SOUTH, RANGE 38 EAST, NMPM
Section 4: Lots 1, 2, 3, 4 and S/2 NW/4

(c) EXTEND the Cruz-Delaware Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 33 EAST, NMPM
Section 30: NW/4

(d) EXTEND the Gladiola-Wolfcamp Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 12 SOUTH, RANGE 37 EAST, NMPM
Section 34: NE/4

(e) EXTEND the Ojo Chiso-Morrow Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH, RANGE 34 EAST, NMPM
Section 23: SE/4

(f) EXTEND the Querecho Plains-Upper Bone Spring Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 32 EAST, NMPM
Section 14: SW/4

(g) EXTEND the Shipp-Strawn Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 37 EAST, NMPM
Section 2: SW/4

(h) EXTEND the South Shoe Bar-Upper Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 16 SOUTH, RANGE 36 EAST, NMPM
Section 31: SW/4

TOWNSHIP 17 SOUTH, RANGE 36 EAST, NMPM
Section 6: SW/4

(i) EXTEND the North Vacuum Atoka-Morrow Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 35 EAST, NMPM
Section 16: E/2