

BEFORE THE OIL CONSERVATION COMMISSION OF THE  
STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF THE  
TEXAS COMPANY FOR THE ESTABLISHMENT OF PRORATION  
UNITS AND UNIFORM SPACING OF WELLS FOR THE COMMON  
SOURCE OF SUPPLY IN THE AMERADA PETROLEUM  
CORPORATION'S STATE OF NEW MEXICO EC"A" WELL NO.  
1, 660 FEET FROM THE NORTH LINE AND 1980 FEET  
FROM THE WEST LINE OF SECTION 14, TOWNSHIP 12  
SOUTH, RANGE 32 EAST, LEA COUNTY, NEW MEXICO

A P P L I C A T I O N

On behalf of The Texas Company, Fort Worth, Texas,  
this application is made with the following statements:

1. That the Amerada Petroleum Corporation has drilled and completed on August 31, 1951, its State of New Mexico EC"A" Well No. 1, located 660 feet from the North line and 1980 feet from the West line of Section 14, T-12-S, R-32-E, Lea County, New Mexico, and has discovered a new common source of supply found in said well below the depth of 11,000 feet.

2. The discovery well was drilled to a depth of 11,314 feet and encountered the top of the Devonian formation at 11,240 feet. 5½-inch casing was set and cemented at 11,314 feet with 600 sacks of cement. The well was plugged back to a depth of 11,290 feet and the casing was perforated with four holes per foot in the interval between 11,260 and 11,270 feet. On a 24-hour Potential Test ending August 31, 1951, the well flowed 549.6 barrels of pipe line oil through a ½-inch choke with a gas-oil ratio of 20 and an oil gravity of 43.3° API.

3. The productive portion of the new common source of supply is estimated to include the following described area:

All of Section 2, E/2 of Section 10, all of Section 11, W/2 of Section 12, W/2 of Section 13, all of Section 14, E/2 of Section 15, T-12-S, R-32-E, Lea County, New Mexico.

However, the above area is not necessarily the maximum limits of the pool. This new source of supply has been designated the East Caprock Devonian Pool.

4. In addition to the discovery well referred to above, the Amerada Petroleum Corporation's State of New Mexico EC"C", located in the SW/4 of the NE/4 of Section 11, T-12-S, R-32-E, has been completed as a producer from this common source of supply. The following wells are now drilling to the same common source of supply within the area described above:

The Texas Company State "BA" Well No. 1, NW/4 of the NW/4 of Section 14, T-12-S, R-32-E.

The Texas Company State "BB" Well No. 1, NE/4 of the SW/4 of Section 11, T-12-S, R-32-E.

The Texas Company State "BF" Well No. 1, NW/4 of the NW/4 of Section 2, T-12-S, R-32-E.

Amerada Posey Well No. 1, SW/4 of the SE/4 of Section 11, T-12-S, R-32-E.

Amerada State EC"D" Well No. 1, SE/4 of the SW/4 of Section 2, T-12-S, R-32-E.

5. That in order to bring about the orderly and proper development of said common source of supply, prevent waste and to avoid the drilling of unnecessary wells, and to secure the greatest ultimate recovery therefrom, and to protect the correlative rights of the interested parties therein, it is necessary and proper for the Commission to enter its order providing for proration units of 80 acres

each, such being the area which may be efficiently and economically drained and developed by one well, and to provide for the uniform spacing of wells drilled into said common source of supply.

6. That all wells drilled into said common source of supply should be located in the center of the Northeast and Southwest 40-acre tracts of each quarter section, with a tolerance of 150 feet to avoid surface obstructions.

7. That The Texas Company's State wells "BA" and "BF" and the Amerada's State EC"D", these currently drilling, which are located off the spacing pattern herein requested, should be granted exceptions to the spacing order established by the Commission hereunder and should be considered as the wells for the proration units upon which they are located.

8. That the order herein requested should cover all of the common source of supply discovered in the producing formation of the State of New Mexico EC"A" Well No. 1 and the State of New Mexico EC"C" Well No. 1, and any additional wells drilled to said common source of supply should be drilled on a spacing pattern herein requested.

9. "The allowable assigned any well within the common source of supply shall be determined by multiplying the allowable for a normal 40-acre unit by the usual depth factor and by one; thus any well in the 80-acre pattern will receive the same allowable that would normally be assigned the well on a 40-acre proration unit of equal depth. Any wells drilled on proration units of less than 80 acres shall have an allowable calculated

as above and in the same proportion as the acres in the proration unit are to 80.

10. A plat showing the area described above and the location of the wells drilled or drilling in said area is attached hereto, marked Exhibit A, and made a part hereof.

Wherefor applicant respectfully requests that the Commission set this application for public hearing at a time and place to be fixed by the Commission, that due and proper notice be given as requested by law, and that at the conclusion of said hearing the Commission make and enter an order determining and defining the probable productive limits of the common source of supply referred to above to include all of Section 2, E/2 of Section 10, all of Section 11, W/2 of Section 12, W/2 of Section 13, all of Section 14, E/2 of Section 15, T-12-S, R-32-E, Lea County, New Mexico, said pool or common source of supply having been named the East Caprock Devonian Pool, establishing proration units of eighty (80) acres each, designating the location of all wells drilled to said common source of supply to be the center of the northeast and southwest 40-acre tracts of each quarter section, with exceptions for three of the presently drilling wells, with a tolerance of 150 feet in any direction from said described location to avoid surface obstructions, and to provide for an allowable equal to that of a normal 40-acre unit producing from equal depth, with the provision that wells drilled on proration units of less than 80 acres shall have an allowable calculated as above and in the same proportion as the acres

in the proration unit are to 80.

Dated this 29<sup>th</sup> day of February, 1952.

THE TEXAS COMPANY

By C. J. Ray Jr.