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DRILLING AND EXPLORATION COMPANY, INC.

P.O. BOX ~~1878~~ 2075

HOBBS OFFICE OCC

HOBBS, NEW MEXICO

1954 AUG 2 AM 8:00

July 30, 1954

Oil Conservation Commission
Box 871
Santa Fe, New Mexico

Gentlemen:

Application is hereby submitted to dually complete Drilling & Exploration Company, Inc., State F Well No. 3, located in the center of the NE/4 SW/4 of Section 19, Township 21 South, Range 36 East, NMEPL, Lea County, New Mexico. The SW/4 of Section 19 is a legal subdivision of the U. S. Public Land Survey and contains 150 acres more or less. The footage location of the subject well is 1980 feet from the South line and 1815 feet from the West line of said Section 19.

Notice of Intention to Drill, Form C-101, was filed on June 28, 1954 and approved July 7, 1954. Total depth of 3930 feet was reached on July 19, 1954 and 5 1/2-inch casing was cemented at 3929 feet with 850 sacks cement. Top of cement behind casing was found to be 850 feet from surface by Temperature Survey. The cement plug was drilled out to 3907 feet.

The 5 1/2-inch casing was perforated opposite the Queen formation from 3853 to 3859, 3862 to 3868, 3872 to 3878, 3882 to 3885, 3891 to 3898 and treated with 500 gallons regular acid followed by 4,000 gallons Sandfrac with one pound sand per gallon. On potential test the well flowed 86.43 barrels oil, no water, in 6 hours through 23/64-inch choke for a 24-hour potential of 346 barrels oil with gas-oil ratio of 624 cubic feet gas per barrel.

It is proposed to perforate the 5 1/2-inch casing opposite the Seven Rivers formation of the Jalco Gas Pool from 330 to 3450 and from 3612 to 3672 feet. A Baker Model B production packer will be set at approximately 3610 feet by wire line. Two inch tubing with an Otis Type L bottom check will be set in the packer. A Carrot Model B circulating valve will be run in the tubing string at approximately 3780 feet. In this manner it is proposed to produce oil from the Queen formation of the Mexico-Monument Oil Pool through 2-inch tubing and gas from the Seven Rivers formation of the Jalco Gas Pool through casing-tubing annulus.

COPY

DRILLING AND EXPLORATION COMPANY, INC.

Box 3075

P.O. Box 1275

HOBBS, NEW MEXICO

July 30, 1954

Oil Conservation Commission
Box 371
Santa Fe, New Mexico

Gentlemen:

Application is hereby submitted to duly complete Drilling & Exploration Company, Inc., State F Well No. 3, located in the center of the NW 1/4 SW 1/4 of Section 19, Township 21 South, Range 36 East, NMPM, Lea County, New Mexico. The SW 1/4 of Section 19 is a legal subdivision of the U. S. Public Land Survey and contains 150 acres more or less. The footage location of the subject well is 1980 feet from the South line and 1815 feet from the West line of said Section 19.

Notice of intention to drill, Form C-101, was filed on June 28, 1954 and approved July 7, 1954. Total depth of 3930 feet was reached on July 19, 1954 and 2 1/2-inch casing was cemented at 3929 feet with 850 sacks cement. Top of cement behind casing was found to be 850 feet from surface by temperature survey. The cement plug was drilled out to 3907 feet.

The 2 1/2-inch casing was perforated opposite the Green formation from 3823 to 3829, 3862 to 3868, 3872 to 3878, 3882 to 3888, 3891 to 3898 and treated with 500 gallons regular acid followed by 4,000 gallons sandstone with one pound sand per gallon. On potential test the well flowed 86.43 barrels oil, no water, in 6 hours through 23/64-inch choke for a 24-hour potential of 346 barrels oil with gas-oil ratio of 624 cubic feet gas per barrel.

It is proposed to perforate the 2 1/2-inch casing opposite the Seven Rivers formation of the Jairo Gas Pool from 330 to 3450 and from 3415 to 3475 feet. A Baker Model D production packer will be set at approximately 3810 feet by wire line. Two inch tubing with an Ovis Type L bottom check will be set in the packer. A Garret Model B circulating valve will be run in the tubing string at approximately 3780 feet. In this manner it is proposed to produce oil from the Green formation of the Jairo Gas Pool through 2-inch tubing and gas from the Seven Rivers formation of the Jairo Gas Pool through casing-tubing annulus.

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DRILLING AND EXPLORATION COMPANY, INC.

P.O. BOX 1575

HOBBS, NEW MEXICO

Oil Conservation Commission

-2-

July 30, 1954

In accordance with Rule 112-A the following offset operators have been furnished a copy of this application.

Continental Oil Company
Box 424
Hobbs, New Mexico

Shell Oil Company
Box 1957
Hobbs, New Mexico

Gulf Oil Corporation
Box 1667
Hobbs, New Mexico

Mr. Reese Cleveland
212 North Colorado
Midland, Texas

Sinclair Oil & Gas Company
Box 1927
Hobbs, New Mexico

Attached to this application is a plat showing the location of the subject well and surrounding wells, a diagrammatic sketch of the proposed dual completion, and an electric log of the subject well.

Yours very truly,

DRILLING & EXPLORATION COMPANY, INC.


D. C. Webb
Division Production Superintendent

DH
Attachments (3)

COPY

DRILLING AND EXPLORATION COMPANY, INC.

P.O. BOX 1272

HOBBS, NEW MEXICO

July 30, 1954

-2-

Oil Conservation Commission

In accordance with Rule 113-A the following offset operators have been furnished a copy of this application.

Shell Oil Company
Box 1927
Hobbs, New Mexico

Mr. Reese Cleveland
212 North Colorado
Midland, Texas

Continental Oil Company
Box 424
Hobbs, New Mexico

Gulf Oil Corporation
Box 1667
Hobbs, New Mexico

Sinclair Oil & Gas Company
Box 1927
Hobbs, New Mexico

Attached to this application is a plat showing the location of the subject well and surrounding wells, a diagrammatic sketch of the proposed dual completion, and an electric log of the subject well.

Yours very truly,

DRILLING & EXPLORATION COMPANY, INC.

D. C. Webb
Division Production Superintendent

Attachments (3)
DH