

# GRYNBERG PETROLEUM COMPANY

5000 SOUTH QUEBEC • SUITE 500 • DENVER, COLORADO 80237 USA • PHONE 303 - 850-7490

TELEX: 45-4497 ENERGY DVR  
TELECOPIER: 303 - 753-9997

#5366

December 30, 1983

State of New Mexico  
Commissioner of Public Lands  
Oil & Gas Division  
P. O. Box 1148  
Santa Fe, New Mexico

Attention: Mr. Ray D. Graham

RE: 1984 Plan of Development and Summary of Operations  
South Cottonwood Draw Unit  
Eddy County, New Mexico

Gentlemen:

During 1983 there were no additional wells drilled in the South Cottonwood Unit due to the continued decline in the gas market, the overabundance of gas and our inability, because of these factors, to negotiate an acceptable gas purchase contract.

The #1 South Cottonwood Draw Unit, located 1980' FWL and 660' FSL (SESW) of Section 29, T16S-R24E, Eddy County, New Mexico is currently a shut-in gas well, which has been tested as a gas well capable of commercial production from the Wolfcamp and Atoka formations. Prior to final pipeline hookup, we plan on further evaluating the Atoka and Wolfcamp reservoirs to determine whether the two formations should be commingled, dually completed or if one zone should be abandoned.

It is still our intention to drill the next unit well in the south half of Section 20, T16S-R24E, Eddy County, New Mexico. In order to enable us, as a prudent operator, to develop the South Cottonwood Draw Unit in an orderly manner in accordance with sound conservation practices, as well as maximizing the ultimate potential commercial gas reserves, this unit well will be commenced subject to a favorable improvement in market conditions and the successful conclusion of a gas purchase agreement.

State of New Mexico  
Commissioner of Public Lands  
Santa Fe, New Mexico

RE: 1984 Plan of Development and Summary of Operations  
South Cottonwood Draw Unit  
Eddy County, New Mexico

December 30, 1983

Page Two

Please review this plan of development at your earliest convenience. If it is acceptable, please signify your approval by signing in the space provided below and returning one copy to us.

CELESTE C. GRYNBERG  
UNIT OPERATOR

By: Susan Stone  
Susan Stone

ACCEPTED THIS \_\_\_ DAY OF \_\_\_\_\_ 1984.

COMMISSIONER OF PUBLIC LANDS

By: \_\_\_\_\_

Title: \_\_\_\_\_

cc:  State of New Mexico  
Energy & Minerals Department  
Oil Conservation Division  
Santa Fe, New Mexico 87507

Mr. John D. Archer  
P. O. Box 8031  
Foothill Station  
Salt Lake City, Utah 84108



# United States Department of the Interior

GEOLOGICAL SURVEY  
Western National Bank Bldg.  
16th Floor, Suite 1608  
505 Marquette NW  
Albuquerque, New Mexico 87102

SEP 07 1976

Mr. Robert N. Enfield  
P. O. Box 2431  
Santa Fe, New Mexico 87501

Dear Mr. Enfield:

Your letter of August 23, 1976, received by the Roswell office of the U.S. Geological Survey on August 24, 1976, requests an additional six month extension of time in which to commence drilling the second test well under the terms of the Cottonwood Draw Unit Agreement, Eddy County, New Mexico. Such request has been discussed in prior conference with the Roswell office and your formal request is hereby approved. Accordingly, in the absence of a determination that the unit well No. 1 in the SW $\frac{1}{4}$  sec. 20, T. 25S., R. 27E., N.M.P.M., is capable of producing unitized substances in paying quantities, the second unit test well is now required to be commenced before midnight on February 28, 1977.

A copy of this extension approval is being sent to the appropriate Federal offices and to the New Mexico Oil Conservation Commission. You are requested to furnish all other interested parties with evidence of this approval.

Sincerely yours,

*[Signature]*

JAMES W. SUTHERLAND  
Area Oil and Gas Supervisor

cc:  
Artesia  
NMOCC, Santa Fe -  
Area Geologist  
Leasing

JAGilliam/mk/9/1/76

P. O. Drawer 1857  
Roswell, New Mexico 88201

January 30, 1976

Robert N. Enfield  
P. O. Box 2431  
Santa Fe, New Mexico 87501

Dear Mr. Enfield:

Your request of January 27, 1976, for a six months extension of time in which to commence your second test well under the terms of the Cottonwood Draw unit agreement, Eddy County, New Mexico, is hereby approved. Accordingly, in the absence of a determination acceptable to this office that the Cottonwood Draw unit well No. 1 in the NW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 20, T. 25S., R. 27E., N.M.P.M., is capable of producing unitized substances in paying quantities, the second unit test well is now considered due to be commenced before midnight August 30, 1976.

Copies of this extension approval are being distributed to the appropriate Federal offices, and to the New Mexico Oil Conservation Commission. Please furnish all other interested parties with evidence of this approval.

Sincerely yours,

(KORIG SCD.) J. A. GILLHAM

J. A. GILLHAM  
Acting Area Oil and Gas Supervisor

cc:  
Artesia  
NMOCC  This Copy for  
Area Geologist  
Leasing

ARStall:dIk

5361

OIL AND GAS **RNE** ROBERT N. ENFIELD · P.O. BOX 2431 · SANTA FE, N.M. 87501 · 505-988-2863

May 14, 1975

RE: Area 72  
Cottonwood Draw Unit  
Eddy County, New Mexico

New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Gentlemen:

Attached hereto is a Certification--Determination on above captioned unit dated April 28, 1975.

Very truly yours,



Robert N. Enfield

RNE/ml  
Attach

CERTIFICATION--DETERMINATION

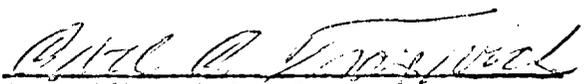
Pursuant to the authority vested in the Secretary of Interior, under the act approved February 25, 1920, 41 Stat. 437, as amended, 30 U. S. C. secs. 181, et seq., and delegated to the Area Oil and Gas Supervisors of the Geological Survey, I do hereby:

A. Approve the attached agreement for the development and operation of the Cottonwood Draw Unit Area, State of New Mexico.

B. Certify and determine that the unit plan of development and operation contemplated in the attached agreement is necessary and advisable in the public interest for the purpose of more properly conserving the natural resources.

C. Certify and determine that the drilling, producing, rental, minimum royalty, and royalty requirements of all Federal leases committed to said agreement are hereby established, altered, changed, or revoked to conform with the terms and conditions of this agreement.

Dated April 28, 1975.

  
Acting Area Oil and Gas Supervisor  
United States Geological Survey

Contract Number 14-08-0001-14263



# United States Department of the Interior

GEOLOGICAL SURVEY

Drawer 1857  
Roswell, New Mexico 88201

April 28, 1975

5366

Robert N. Enfield  
P. O. Box 2431  
Santa Fe, New Mexico 87501

Dear Mr. Enfield:

One approved copy of the Cottonwood Draw unit agreement, Eddy County, New Mexico, with Robert N. Enfield as unit operator, is returned herewith. Such agreement has been assigned No. 14-08-0001-14263, and is effective as of April 28, 1975, the date of approval.

You are requested to furnish the New Mexico Oil and Gas Conservation Commission and all other interested principals with evidence of this approval.

Sincerely yours,

CARL C. TRAYWICK  
Acting Area Oil and Gas Supervisor

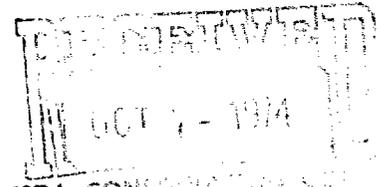
cc:  
N.M.O.C.C., Santa Fe (ltr. only) ✓  
Area Geologist (ltr. only)  
Artesia (w/cy agr.)

ARStall:lh



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
FEDERAL CENTER, DENVER, COLORADO 80225

IN REPLY REFER TO:



OCT 04 1974 OIL CONSERVATION SECTION

5366

Mr. Robert N. Enfield  
P.O. Box 2431  
Santa Fe, New Mexico 87501

Dear Mr. Enfield:

Your application of September 12, 1974, filed with the Oil and Gas Supervisor, Roswell, New Mexico, requests the designation of the Cottonwood Draw unit area embracing 3,833.48 acres, more or less, Eddy County, New Mexico, as logically subject to exploration and development under the unitization provisions of the Mineral Leasing Act, as amended. The unit area contains 3,593.48 (93.7 percent) Federal land and 240 acres (6.3 percent) of fee land.

Pursuant to the unit plan regulations of December 22, 1950, 30 CFR 226.3, the land requested, as described on your plat marked "Exhibit A, Cottonwood Draw unit area, Eddy County, New Mexico," is hereby designated as a logical unit area.

As proposed by your application, the Federal Form of Unit Agreement for Unproved Areas (1968 reprint) should be used as modified by the appropriate language required for the inclusion of fee land and with the further addition of the words "as amended" inserted after (30 F.R. 12319) in Section 26, Nondiscrimination. Such agreement should also provide for the drilling of the initial exploratory well to test all formations of Pennsylvanian Age or to a depth of 12,900 feet. In the absence of any other type land requiring special provisions or any objection not now apparent, a duly executed agreement identical to said form modified only as indicated above will be approved if submitted in approvable status within a reasonable time. However, the right is reserved to deny approval of any executed agreement which in our opinion does not have full commitment of sufficient land to afford effective control of unit operations.

When the agreement is transmitted to the Oil and Gas Supervisor for approval, include the latest status of all acreage. The format of the sample exhibits attached to the 1968 reprint of the aforementioned form of agreement should be followed closely in the preparation of Exhibits A and B.

Sincerely yours,

ORIG. SGD. G. H. HORN

cc:

✓ NMOCC, Santa Fe  
Roswell (2)  
Cons. Div. Reading File  
JAGillham:ds

Conservation Manager, Central Region  
For the Director

